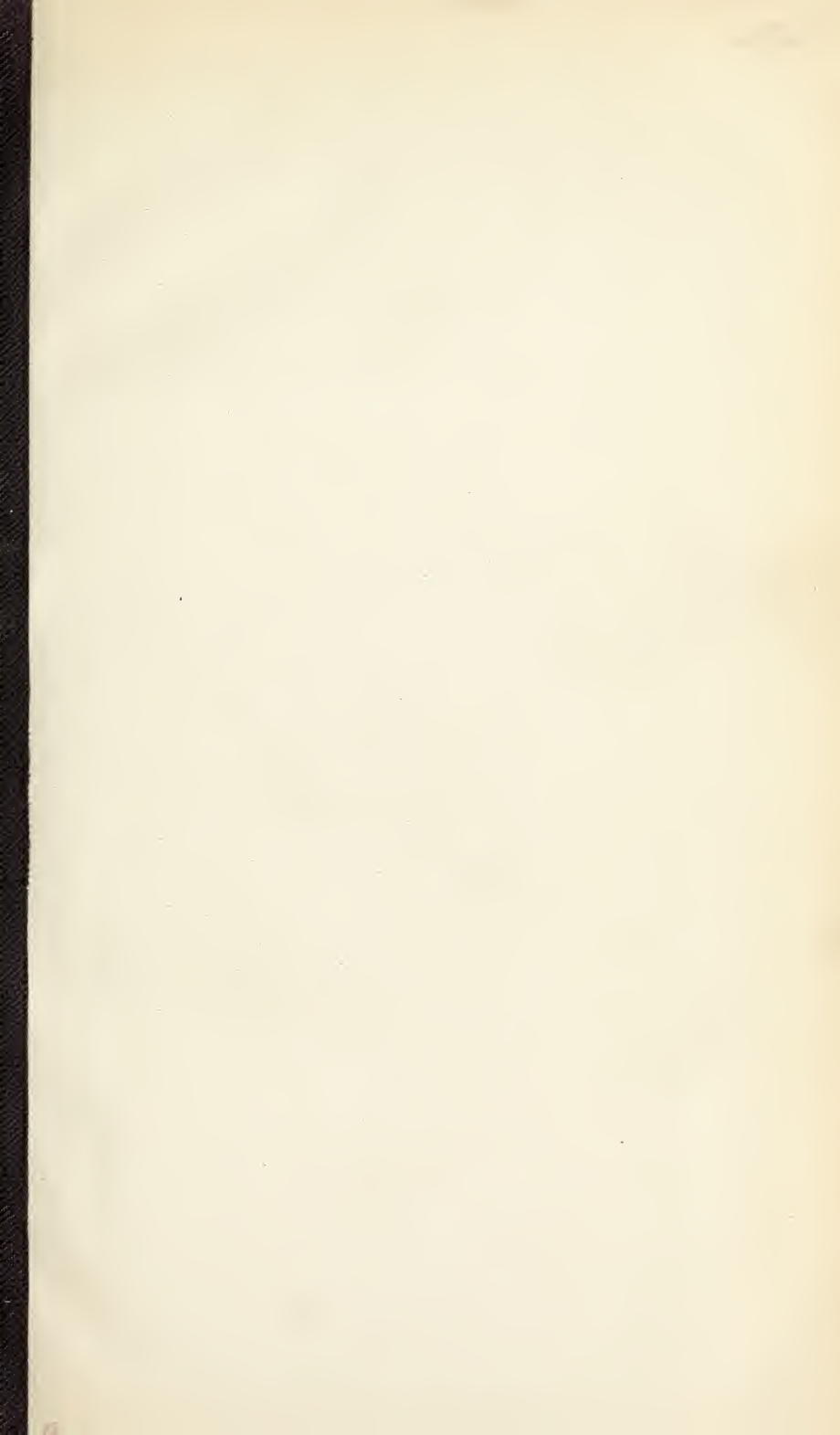


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EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

LETTER

FROM

THE ACTING SECRETARY OF AGRICULTURE,

PRESENTING

A DETAILED STATEMENT OF THE EXPENDITURES OF ALL APPROPRIATIONS FOR THE FISCAL YEAR ENDING JUNE 30, 1899.

DECEMBER 13, 1899.—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., December 12, 1899.

SIR: In conformity to law, I have the honor to present herewith to Congress a detailed statement of the expenditures of all appropriations for the Department of Agriculture for the fiscal year ending June 30, 1899, including supplemental accounts to date.

Very respectfully,

J. H. BRIGHAM,
Acting Secretary.

The SPEAKER OF THE HOUSE OF REPRESENTATIVES.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1899.

SALARIES.

Name.	Amount.	Name.	Amount.
James Wilson.....	\$8,000.00	A. D. Melvin	\$2,500.00
J. H. Brigham.....	4,500.00	H. E. Alvord	2,500.00
D. E. Salmon.....	4,000.00	V. A. Norgaard	2,250.00
John Hyde.....	3,000.00	E. A. de Schweinitz.....	2,250.00
Andrew Geddes.....	2,500.00	A. M. Farrington.....	2,250.00
F. L. Evans.....	2,500.00	Geo. K. Holmes.....	2,200.00
Geo. W. Hill.....	2,500.00	Jas. W. Wilson.....	2,000.00
F. V. Coville.....	2,500.00	J. B. Bennett.....	2,000.00
L. O. Howard.....	2,500.00	C. B. Lower.....	2,000.00
C. Hart Merriam.....	2,500.00	A. Zappone.....	2,000.00
G. B. Bracket.....	2,500.00	S. R. Burch.....	2,000.00
B. T. Galloway.....	2,500.00	R. M. Reese.....	1,800.00
H. W. Wiley.....	2,500.00	E. D. Yerby.....	1,800.00
Milton Whitney.....	2,500.00	Jos. A. Arnold.....	1,800.00
F. Lamson-Scribner.....	2,500.00	B. B. Handy.....	1,800.00
Gifford Pinchot.....	2,500.00	Jas. S. Watkins.....	1,800.00
William Saunders.....	2,500.00	C. L. Marlatt.....	1,800.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

SALARIES—Continued.

Name.	Amount.	Name.	Amount.
Wm. A. Taylor	\$1,800.00	V. K. Chesnut	\$1,200.00
A. F. Woods	1,800.00	M. G. Champney	1,200.00
E. E. Ewell	1,800.00	E. A. Preble	1,200.00
Lynnan J. Briggs	1,800.00	D. G. Passmore	1,200.00
J. G. Smith	1,800.00	F. W. Patterson	1,200.00
W. P. Cutter	1,800.00	J. K. Hayward	1,200.00
E. B. Jones	1,800.00	Jas. Morrison	1,065.20
R. A. Pearson	1,800.00	T. B. Harrison	1,050.00
E. C. Schroeder	1,800.00	L. H. Dewey	1,017.39
C. F. Dawson	1,800.00	Mary E. Williams	1,000.00
H. H. Gerdes	1,800.00	M. B. Zimmerman	1,000.00
T. S. Palmer	1,795.11	J. F. Watlington	1,000.00
Allen Dodge	1,600.00	Ella Edwards	1,000.00
W. C. Pennywitt	1,600.00	W. F. Tomlinson	1,000.00
M. M. Brigham	1,600.00	J. P. Shannon	1,000.00
J. A. Harvey	1,600.00	B. M. Dodson	1,000.00
L. F. Harrington	1,600.00	W. W. Tracy, jr	1,000.00
Geo. E. King	1,600.00	M. E. Thorn	1,000.00
Edwd. Bailey	1,600.00	M. E. Skinner	1,000.00
C. A. Leith	1,600.00	C. E. Bracey	1,000.00
A. G. Rice	1,600.00	E. L. Clark	1,000.00
Theodore Pergande	1,600.00	C. Walden	1,000.00
W. D. Bigelow	1,600.00	H. R. Smedes	1,000.00
W. H. Krug	1,600.00	A. M. Wright	1,000.00
A. J. Olin	1,600.00	R. M. Blankman	1,000.00
A. K. Fisher	1,500.00	J. M. P. Haas	1,000.00
T. A. Williams	1,438.29	M. M. McClure	1,000.00
E. G. Runyan	1,434.75	F. C. Pratt	1,000.00
Cornelius L. Shear	1,404.09	Ada B. Morrison	1,000.00
Harry T. Price	1,400.00	Bertha Heiges	1,000.00
A. M. Houseman	1,400.00	S. E. Miller	1,000.00
Jas. E. Jones	1,400.00	Thos. H. Means	1,000.00
Carrie DuBois	1,400.00	Janet Stewart	1,000.00
M. McCutchen	1,400.00	Nathl. Shottswell	1,000.00
F. C. Cox	1,400.00	E. B. Hanks	1,000.00
W. W. Long	1,400.00	W. E. Cotton	1,000.00
B. D. Stallings	1,400.00	M. N. Barnard	1,000.00
J. H. Hendrix	1,400.00	B. G. Wasdon	1,000.00
Max West	1,400.00	M. E. Fagan	1,000.00
Alice Henkel	1,400.00	McP. Reynolds	1,000.00
C. M. Dougherty	1,400.00	J. B. Graham	1,000.00
Frank Benton	1,400.00	N. F. Haughton	1,000.00
F. E. L. Beal	1,400.00	M. C. Montgomery	1,000.00
T. C. Prescott	1,400.00	Toole A. Geddes	1,000.00
M. S. Tidd	1,400.00	J. M. Pickens	998.90
O. J. J. Luebker	1,400.00	Flora Steineger	948.41
J. A. Clark	1,400.00	Henry Farouhar	934.80
Marion Dorset	1,400.00	Thomas Riggles	900.00
Albert Hassall	1,400.00	F. L. J. Boettcher	900.00
Mary Sullivan	1,400.00	E. E. McDonell	900.00
Evelyn Lyons	1,400.00	H. L. Hill	858.44
F. N. Gregory	1,400.00	J. S. Pennybacker, jr	840.00
W. S. D. Haines	1,400.00	W. E. Griffith	840.00
H. S. Graves	1,276.63	R. F. Johnson	840.00
G. M. Braumbaugh	1,250.00	Annie Parker	840.00
H. A. Vieth	1,250.00	M. A. Goodchild	840.00
Almont Barnes	1,237.53	Frank J. Cleary	840.00
A. G. Guthridge	1,200.00	J. Y. Hudson	840.00
Thos. J. Ray	1,200.00	E. W. Willard	840.00
M. Helen Burr	1,200.00	T. B. Reamy	840.00
M. A. S. Coleman	1,200.00	Jos. Williams	840.00
M. T. Chapman	1,200.00	Wm. Collier	840.00
C. K. Bragdon	1,200.00	A. H. Brooks	840.00
B. C. Saunders	1,200.00	J. A. Mason	840.00
E. H. Stevens	1,200.00	W. A. Murray	840.00
Virginia Miller	1,200.00	S. C. Alexander	835.43
F. H. Wagner	1,200.00	Emma S. Thompson	831.60
W. W. Jones	1,200.00	C. W. Stiles	831.50
Alice Norris	1,200.00	E. L. Ogden	805.72
C. B. Barnett	1,200.00	C. B. Finckel	798.90
Louise Taylor	1,200.00	Lawrence Gallagher	796.70
Irwin Frickey	1,200.00	T. H. Kearney, jr	791.30
J. A. Emery	1,200.00	G. H. Hicks	772.83
Mary F. Dent	1,200.00	Harry Crompton	720.00
Jos. Abel	1,200.00	Thos. Rutledge	720.00
J. C. I. Evans	1,200.00	J. S. Lee	720.00
W. H. Mahone	1,200.00	A. J. Hodges	720.00
M. G. Marshall	1,200.00	Mary A. Dugan	720.00
Flora Schmidt	1,206.60	J. E. M. Gantt	720.00
Wm. M. King	1,200.00	Moses Smith	720.00
Geo. W. Baumann	1,200.00	W. S. Stamper	720.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

SALARIES—Continued.

Name.	Amount.	Name.	Amount.
H. S. Mott	\$720.00	Sara L. Gardner	\$100.00
Geo. I. Hall	720.00	Annie Gibson	99.80
W. H. Moor	720.00	Jno. R. Mohler	98.90
Wm. T. Stedman	720.00	Amelia Lewis	92.35
E. J. Maloy	720.00	Aug. L. Dahler	87.00
A. H. Kite	720.00	Lillian Ross	81.70
Emilie J. Wilde	720.00	Mary E. Rollins	60.00
W. C. Shemoneck	720.00	C. R. Ball	46.15
L. W. Thavis	720.00	M. B. Clarvoe	45.00
Clarence Bean	720.00	C. P. Fletcher	34.24
B. F. Ridgeway	720.00	Maude S. Chamberlin	26.67
Jno. Nicholas	720.00	M. L. Dalas	20.65
Alfred Hawkins	720.00	M. D. Brown	11.41
R. H. Cook	720.00	Rose F. Leith	8.06
Thad Fairfax	720.00	Moses Johnson	8.00
W. D. Jones	720.00	W. D. Corder	3.00
L. D. Frost	720.00	J. W. Harris	3.00
E. C. Herrick	698.40	John Higgins	3.00
L. T. Harrison	661.25	Geo. B. Johnson	3.00
Lena B. Goetz	630.00		
Geo. W. Sheerer	660.00	Total	815,965.93
Julia King	627.72		
Guy N. Collins	623.11	Supplemental.	
W. E. C. Todd	618.30	Willis L. Moore	4,500.00
A. J. Pieters	608.70	Cleveland Abbe	3,000.00
Frank Sprague	600.00	Frank H. Bigelow	3,000.00
H. L. Brown	600.00	H. A. Hazen	2,500.00
W. T. Deakins	600.00	Edwd. B. Garriott	2,500.00
J. H. S. Tabler	600.00	H. E. Williams	2,250.00
H. P. Hottenstein	600.00	H. J. Cox	2,125.00
Martin Johnson	600.00	Jas. Berry	2,000.00
E. C. Morton	600.00	A. J. Henry	2,000.00
W. N. Talbot	600.00	D. J. Carroll	2,000.00
W. H. Richards	600.00	J. H. Robinson	1,800.00
Emily Werner	600.00	D. T. Maring	1,800.00
C. W. Towers	600.00	Jas. R. Cook	1,800.00
W. H. Johnson	599.30	H. C. Frankenfield	1,749.96
E. M. Hollidge	587.61	W. H. Hammon	1,625.00
C. A. Keffer	523.37	Robt. Seyboth	1,600.00
Minna A. Cannon	500.00	F. J. Randolph	1,600.00
Minna Atkinson	500.00	Edgar B. Calvert	1,600.00
Anna C. Kelton	490.80	Jno. C. Fry	1,600.00
Louise Douglas	480.00	Frank Gillam	1,600.00
Martha Boss	480.00	P. C. Day	1,450.00
Susie Morgan	480.00	F. M. Cleaver	1,426.07
W. Markwood	420.60	S. W. Beall	1,400.00
E. B. Harden	380.20	J. T. Foy	1,400.00
Jennie Jones	367.00	J. H. Jones	1,400.00
H. B. Coffin	361.96	G. W. Smith	1,400.00
S. W. Halsey	343.01	T. O. Pugh	1,400.00
C. H. Seaton	334.82	Chas. Holmes	1,400.00
Wm. Halley	312.00	J. C. Ashton	1,400.00
M. M. Ingraham	300.00	G. W. Hay	1,400.00
W. S. Canatsey	299.40	H. J. Penrod	1,400.00
Catharine Baltimore	281.95	Theo. T. Moore	1,400.00
Edmund Burke	265.20	H. S. Heiskill	1,400.00
Geo. S. Waldo	257.65	Jno. J. Bain	1,400.00
E. McK. Chace	250.00	Jno. C. Stewart	1,400.00
H. S. Tullis	244.61	Henry Pennywitt	1,400.00
Frank P. Evans	240.60	M. C. Bennett	1,400.00
Kate McCarty	240.00	C. F. Marvin	1,250.00
J. E. Leonard	240.00	H. H. Kimball	1,225.54
Charity Broadus	240.00	A. H. Kinear	1,200.00
Ida E. Hendley	239.60	William Berry	1,200.00
N. H. Egleston	234.80	R. F. De Grain	1,200.00
M. Gerard	220.03	E. E. Simpson	1,200.00
Belle Meek	219.80	J. H. Melton	1,200.00
Sotheron Key	210.00	W. D. Porter	1,200.00
C. D. Harvey	182.00	Alex. Ashley	1,200.00
H. M. Kendrick	180.30	S. A. Potter	1,200.00
Fred Deffer	173.25	Sophia A. Benter	1,200.00
Geo. H. Rockwood	170.30	H. W. Smith	1,200.00
Maria Mead	169.30	W. J. Olds	1,200.00
Jas. Haley	167.60	J. L. Whiteside	1,200.00
Rena Cooksey	138.91	R. D. Meston	1,200.00
F. B. Cooksey	131.74	Jas. M. Watson	1,200.00
Annie De S. Lovejoy	130.15	Arthur Thompson	1,200.00
C. C. Moore, jr.	115.40	E. G. Johnson	1,200.00
J. C. Brooks	115.24	Belle P. N. Spencer	1,200.00
J. L. Arntzen	114.09	Benj. A. Blundon	1,200.00
Lizzie Rollins	110.47		

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

SALARIES—Continued.

Name.	Amount.	Name.	Amount.
<i>Supplemental—Continued.</i>		<i>Supplemental—Continued.</i>	
E. M. Mattison	\$1,200.00	Saml. M. Howard	\$695.00
Ruby S. Hotze	1,200.00	E. A. Branham	660.00
Edward A. Brown	1,200.00	S. C. Calvert	660.00
C. B. Tuch	1,200.00	E. P. Stout	660.00
J. H. Harman	1,139.98	E. H. Halbach	630.10
C. J. Jones	1,098.89	W. K. Durnbaugh	657.55
Bemer S. Pague	1,000.00	M. W. Hayes	606.67
Mamie H. Chapman	1,000.00	Jno. Sullivan	600.00
S. Percy Minnick	1,300.00	Chas. W. Chambers, jr	600.00
D. Marean	1,000.00	Jesse Jones	600.00
R. H. Dean	1,000.00	R. S. N. Sartz	600.00
Genevra B. Diehl	1,000.00	Myron Baker	596.74
Frank O. Stetson	1,000.00	Jno. A. Balster	593.93
Wm. N. Parker	1,000.00	Robt. Williams	581.33
Virginia M. Peticolas	1,000.00	Wm. Gotham	572.21
F. W. Krichett	1,000.00	Alex. G. McAdie	500.00
A. McC. Ashley	1,000.00	Lester A. Murdock	498.90
H. W. Clough	1,000.00	Jno. Driscow	474.73
Jos. U. Monroe	1,000.00	Pearson Chapman	470.15
Jos. B. Wilson	987.78	Frederick Rice	450.00
Conrad E. Hesse	942.34	Anna L. Pierce	425.01
Alice T. Hercus	900.00	Alvin T. Burrows	412.50
Bell Gaston	900.00	C. L. Shaver	401.10
Laura F. Hawkins	900.00	Richd. E. Rozzell	391.32
Ralph B. Marean	900.00	W. Plummer	385.60
Mary A. Dolan	900.00	Frank Matthews	356.04
C. H. Pelcher	900.00	Jno. I. Parker	337.71
Matthew Mahany	886.43	William M. Husson	300.00
Clinton J. Ashton	875.08	M. M. Cooke	294.12
Kathryn Sellers	840.00	Mary C. Ratcliffe	222.18
Mary Long	840.00	Norma Ridley	190.43
L. M. Cleveland	840.00	Jno. M. Groff	178.20
Danl. F. O'Neal	840.00	Danl. J. Brown	177.50
Edward Dillon	840.00	C. R. Dodge	173.92
Hermann Perls	840.00	Mary A. Minitor	142.16
Wm. Patrick	840.00	Edward McDermott	125.23
F. A. Claveloux	840.00	Jno. N. Groff	121.20
C. W. Lederer	840.00	Chas. S. Gorgas	114.09
Jno. F. Collins	840.00	J. J. Trcneman	111.89
Hiram Johnson	833.54	Johanna Minitor	97.81
Geo. E. Hunt	798.90	Plato T. Lee	93.94
Richd. Breaden	720.00	Park Morrill	81.52
David Keller	720.00	Jas. H. Brooks	65.17
Michael Hayes	720.00	Harriet B. Turner	47.57
Frank M. Angelo	720.00	C. W. Combs	33.02
R. H. Morton	720.00	Stewart Sharpe	26.90
Jno. R. McCauley	720.00		
Frank L. Graham	701.10		
		Total	151,799.05

FURNITURE, CASES, AND REPAIRS.

Date.	Name.	Nature of payment.	Total.
1898.			
July 27	Hugh Reilly	Paints	\$2.35
30	James Halley et al	Salaries	337.03
Aug. 3	C. A. Woolsey Paint and Color Co.	Kalsomine, etc	3.18
12	Francis Miller	Varnish, etc	8.30
	Church & Stephenson	Lumber	127.92
16	Jno. C. Parker	Letter file	72.00
	do	Desk	21.85
18	Chas. R. Edmonston	Cooler	4.18
19	Rudolph, West & Co	Stepladders	4.20
23	The Office and Library Co.	Index case	20.00
27	Lansburg & Bro.	Cloth	50.00
31	Jas. Halley et al	Salaries	405.57
Sept. 2	Jno. T. Springman, jr., & Bro.	Cast-iron doors	7.00
	Wm. H. Lacy	Plastering	6.00
	The Grove Lime and Coal Co.	Brick and clay	10.35
14	Ernest Betz	Repairing roof, etc	25.10
20	W. T. Walker & Co.	Brick	6.47
30	Jas. Halley et al	Salaries	366.40
	Total first quarter		1,481.90

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

FURNITURE, CASES, AND REPAIRS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 1	Rudolph, West & Co	Hardware	82.62
	Hugh Reilly	Brushes, tools, etc	39.87
	Church & Stephenson	Lumber	43.11
	W. B. Moses & Sons	Furniture, etc	295.65
	Thos. Somerville & Sons	Pipe, etc	31.73
	Chas. Becker	White lead	25.70
8	Thos. Somerville & Sons	Plumbers' supplies	24.20
	Jno. C. Parker	Bookcases	118.20
14	Church & Stephenson	Lumber	81.66
20	Library Bureau	Card-index case	146.00
28	Geo. F. Muth & Co	Turpentine, etc	25.24
31	Jas. Halley et al	Salaries	313.80
Nov. 7	Jno. S. P. Green	Paper hanging	65.50
9	Yawman & Erbe Manufacturing Co	Case	55.00
16	Church & Stephenson	Lumber	94.85
	Wyckoff, Seamans & Benedict	Cabinet	27.00
	Jno. C. Parker	do	10.00
	Francis Miller	Varnish	4.00
30	G. A. Carter et al	Salaries	112.90
Dec. 2	W. A. Pate	Sash weights	1.00
	J. E. Chapman & Co	Ventilators	5.25
	Rudolph, West & Co	Hardware	18.56
	do	do	15.14
5	Library Bureau	Catalogue case and table	35.00
8	Wash. B. Williams	Shades	99.99
	Thos. Somerville & Sons	Disks, pipe, jute, etc	58.40
	W. A. Pate	Pulleys	1.44
	Belt & Dyer	Partition	98.00
14	Rudolph, West & Co	Hardware	4.00
20	Geo. Meier & Co	Bronze	5.00
21	Chas. Becker	Paints	52.70
	Church & Stephenson	Lumber	63.00
	J. S. P. Green	Wall paper	35.00
	Hugh Reilly	Paint	3.25
23	W. H. Lacy	Plastering	6.00
31	Geo. A. Carter et al	Salaries	148.80
	Total second quarter		2,167.56
1899.			
Jan. 4	Thos. Somerville & Sons	Repairs to steam pipes	170.90
7	W. Wiegand & Co	Window frames	23.48
	Burton Vernon	Repairs to roof	3.00
12	Church & Stephenson	Lumber	6.58
19	do	do	26.73
	do	do	79.90
	Thos. Somerville & Sons	Marble slabs, etc	41.26
	W. B. Moses & Sons	Furniture, etc	1,575.52
20	Rudolph, West & Co	Locks, etc	4.33
21	Chas. Becker	White lead	15.42
	W. H. Lacy	Plastering	26.00
	The Grove Lime and Coal Co	Cement	9.00
23	Jno. C. Parker	Typewriter desk	21.85
31	A. P. Lang & Co	Papering	17.72
	G. A. Carter et al	Salaries	227.02
Feb. 1	W. H. Butler	Glass	22.57
3	Ernest Betz	Grate	3.00
	A. P. Lang & Co	Renovating room	1.84
7	Chas. Becker	White lead	25.70
8	Church & Stephenson	Lumber	4.35
	do	do	2.11
	Ernest Betz	Roof	6.50
13	Jno. W. Harris et al	Labor	5.25
25	Ernest Betz	Repairing roof	29.80
	Wash. B. Williams	Hassocks	3.50
	Church & Stephenson	Lumber	89.66
	Thos. Somerville & Sons	Pipe, etc	11.64
	Rudolph, West & Co	Locks, etc	8.09
28	Rufus P. Clark	Rep	6.75
	Hugh Reilly	Paint	3.80
	Geo. A. Carter et al	Salaries	228.60
Mar. 2	W. B. Moses & Sons	Furniture, carpets, etc	449.78
	Wm. H. Lacy	Plastering	20.00
9	W. A. Pate	Window weights	1.04
10	C. C. Carter	Painting library ceiling	218.50
11	Rudolph, West & Co	Furnishing and erecting steel ceiling	791.00
	Francis Miller	Paint strainers, etc .....	.80
17	Thos. Somerville & Son	Materials for general repairs	74.20
	Church & Stephenson	Lumber	85.78
21	Burton Vernon	Repairing roof	10.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

FURNITURE, CASES, AND REPAIRS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 24	W. B. Moses & Sons	Furniture, etc	\$41.81
31	Geo. A. Carter	Salaries	77.50
	Total third quarter		4,410.24
Apr. 1	W. H. Butler	Glass	12.32
3	Jno. C. Parker	Index cabinet and pad boxes	22.00
18	Chas. Becker	Lead	10.25
	Ernest Betz	Repairing roof	16.15
22	W. B. Moses & Sons	Glass and stool	6.65
	Jas. B. Lambie	Rings	2.40
29	Geo. A. Carter	Salary	74.20
May. 3	Hugh Reilly	Paints	4.26
11	The Grove Lime and Coal Co.	Cement	4.50
	W. B. Moses & Sons	Linoleum and chair	19.75
19	J. E. Chapman & Co.	Tin work, etc	16.50
23	Thos. Somerville & Sons	Pipe, tank, etc	67.04
	do	Stops, bowls, etc.	8.14
31	Geo. A. Carter	Salary	76.60
June 1	W. B. Moses & Sons	Chairs	10.90
	The Grove Lime and Coal Co.	Cement	2.25
13	Hugh Reilly	Paints	1.28
	Church & Stephenson	Lumber	4.00
	Hall, Headington & Co.	Cocoa mats	3.45
20	W. H. Butler	Glass	2.14
	Francis Miller	Oil	23.66
24	Jas. B. Lambie	Casters .....	.54
30	Geo. A. Carter	Salary	74.20
	Total fourth quarter		463.21
	<i>Supplemental.</i>		
July 18	Francis Miller	Oil	6.45
	Jas. B. Lambie	Wire cloth .....	.27
19	Rudolph, West & Co.	Hinges	3.82
	do	Wire gauze .....	.49
	W. B. Moses & Sons	Matting	19.20
20	Church & Stephenson	Lumber	41.66
Aug. 16	Geo. F. Muth & Co.	Turpentine	19.31
	Church & Stephenson	Lumber	22.80
17	Chas. Becker	Lead	30.84
	Total fourth quarter		144.84

RECAPITULATION.

First quarter	\$1,481.90
Second quarter	2,167.56
Third quarter	4,410.24
Fourth quarter	463.21
Supplemental	144.84
Total	8,667.75

LIBRARY.

Date.	Name.	Nature of payment.	Total.
1898.			
Aug. 16	Chemical Publishing Co	Book	\$1.00
	Oswald Weigle	Foreign publication	51.19
	Lemcke & Buechner	Books	10.73
	Gustav E. Stechert	do	20.13
	M. Murray	Book	2.00
	Albert Britnell	Books	14.00
18	H. S. Rich & Co.	Book	3.00
19	Albert Britnell	Books	13.80
20	M. E. Mann	do	37.00
	Mrs. George Marx	do	39.50
22	Gustav E. Stechert	Book	6.25
	do	do	2.10
24	W. H. Holabird	Pamphlet on sugar beets .....	.50
	Forest and Stream Publishing Co.	Periodical .....	.40
	T. H. Castor & Co.	Books	45.64
	Lemcke & Buechner	do	49.67

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

LIBRARY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Aug. 24	H. N. Patterson	Books	\$22.50
Sept. 7	Library Bureau	Book	2.00
22	Gustav E. Stechert	Books	21.48
26	do	do	19.30
	Total first quarter		362.19
Oct. 3	H. E. Heath	Nebraska Farmer	1.50
	The Helman Taylor Co.	Books	15.00
20	Library Bureau	Label holder	8.00
21	H. V. & H. W. Poor	Book	7.50
31	J. J. De Forest	Papers and books	50.53
Nov. 1	The Office and Library Co.	Inkstand	1.95
	J. A. Bethune	Atlas	3.00
2	S. B. Griswold	New York State Mus. reports	10.65
	A. C. Clark & Co.	Shippers' Gazette	5.00
	N. Murray	Book	3.50
	Library Bureau	Catalogue case	35.00
3	Andrews & Church	Book	1.50
30	Gustav E. Stechert	Books	16.73
	do	do	11.13
	do	do	57.73
	do	do	9.60
	do	do	2.50
	do	do	7.60
	do	do	2.39
	Library Bureau	Cards	27.00
	do	Book pockets	16.00
Dec. 1	Henry Youngs & Sons	Books	27.77
2	Bangs & Co.	do	9.50
5	R. R. Bowker	do	6.50
	Haight & Co.	do	2.00
	C. F. Libbie & Co.	do	50.55
8	The Ohio Valley Co.	do	4.00
19	Iowa Geological Survey	do	1.35
	A. E. Clark	International Directory	15.00
20	Thos. Meehan & Sons	Meehan's Monthly	6.00
	The William Weld Co., Limited	Farmers' Advocate	9.00
	L. B. Tetens	Darwin's Works	15.00
21	Wm. Wesley & Son	Books	58.00
	do	do	24.25
22	Gustav E. Stechert	do	11.78
	do	do	7.17
	do	do	6.58
23	E. L. Green	do	5.00
	Total second quarter		553.06
1899.			
Jan. 3	Bradlee Whidden	Books	20.00
5	Jas. T. White & Co.	Book	8.00
	Library Bureau	Library shelving	167.00
	G. O. Shields	Books	14.00
	C. W. Davis	do	10.00
7	Davis & Harvey	do	51.75
10	Washington Post Co.	Subscription, July 1 to Dec. 31, 1898.	4.20
19	Oswald Weigel	Books	7.01
	Bernard Quaritch	do	147.20
24	Malvina Anderson	do	6.85
	Library Bureau	do	6.00
25	R. Friedlander & Sohn	do	39.86
Feb. 1	Felix M. Dames	do	43.00
	Oswald Weigel	do	51.75
4	Publishers' Weekly	Library journal index sheets	2.00
	Bangs & Co.	Books	57.71
	do	do	46.17
	The Gardening Co.	do	15.00
6	Gustav E. Stechert	do	23.56
	do	do	7.50
	do	do	2.75
	Jno. C. Parker	Tags	12.00
	Cambridge Entomological Club	Psyche, volume 8.	2.00
8	Fredk. Muller & Co.	Book	226.70
10	H. A. Van Winkle	do	3.00
	Wm. Ballantyne & Sons	do	25.00
	Raoul Renault	Books	6.00
	Orange Judd Co.	do	.50

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

LIBRARY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 21	A. E. Foot	Books	\$9.86
	Bradlee Whidden	do	5.00
Mar. 1	Chas. H. Coe	do	2.00
14	Library Bureau	Order slips	16.00
	H. N. Patterson	Index cards	22.50
	Gustav E. Stechert	Books	16.63
	do	do	16.35
	do	do	14.76
	do	do	13.92
	do	do	7.60
	do	do	3.56
	do	do	2.50
	do	do .....	.96
	Rand, McNally & Co	Atlas	7.50
	Wm. Ballantyne & Sons	Book	25.00
	R. Friedlander & Sohn	Books	183.88
	do	do	57.88
	do	do	11.42
	Gustav E. Stechert	do	1.68
	do	do	10.00
20	Jacob J. De Forest	Books and papers	15.50
25	N. W. Ayer & Son	American Newspaper Annual, 1899.	5.00
	Total third quarter		1,455.51
Apr. 10	J. C. Parker	Dictionaries	24.00
15	Lemcke & Buechner	Books	20.15
	do	do	11.00
	do	do	7.70
	do	do	4.50
	do	do	4.05
	do	do	2.50
	do	do	1.00
	do	do	1.50
	do	do .....	.78
17	Library Bureau	Desks	130.00
19	Gustav E. Stechert	Book .....	.65
	Statute Law Book Co.	Books	9.80
	Brentanos'	do	51.92
	W. H. Lowdermilk & Co.	do	91.95
22	Jacob J. De Forest	do	2.50
	A. B. Seymour	do	6.00
	R. R. Bowker	do	6.50
29	Lemcke & Buechner	do	91.26
	do	do	52.70
	do	do	35.02
	do	do	27.02
	do	do	5.39
	Gustav E. Stechert	do	14.30
	do	do	7.33
	do	do	1.32
May 15	Jno. C. Parker	Postal Guide	3.00
18	T. H. Castor & Co.	Books	32.60
	Lemcke & Buechner	do	3.00
	Bradlee Whidden	do	5.00
	Municipal Engineering Co.	do	2.00
23	W. H. Lowdermilk & Co.	do	53.00
June 2	S. B. Griswold	do	5.00
	Library Bureau	Rubber bands	1.20
13	Pharmacy Review Publishing Co.	Books .....	.40
	Republican Publishing Co.	Subscription	5.00
	Lemcke & Buechner	Book	2.45
	The Rural Publishing Co.	Rural New Yorker	1.00
	The Osprey Co.	The Osprey	1.00
	The Sun Printing and Publishing Association.	The Sun	8.00
	W. N. Clute	Plant World, 2 volumes	2.00
	C. F. Libbie & Co.	Books	95.63
16	Gustav E. Stechert	do	12.00
	do	do	6.74
	do	do	4.97
22	Romo y Füssel	do	83.00
	Lemcke & Buechner	do	29.78
24	M. E. Mann	Cyclopædia	7.00
	Total fourth quarter		974.61

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

LIBRARY—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental.</i>			
1899.			
July 1	Lemcke & Buechner	Books	\$23.00
	do	do	17.06
	do	do	.25
	Forest and Stream Publishing Co.	Forest and Stream	2.00
	R. Friedlander & Sohn	Books	19.51
	Wm. Wesley & Son	do	6.25
5	Chas. F. Batchelder	Book	2.00
	Davis & Harvey	Books	38.10
	A. J. Crawford	do	2.55
6	Lemcke & Buechner	do	32.28
	do	do	3.97
12	American Veterinary Review	Volume 23	3.00
	do	Volume 22	3.00
18	The Chicago Press Clipping Bureau	Clipping	19.72
28	Gustav E. Stechert	Books	66.29
	do	do	48.25
	do	do	15.10
	do	do	11.05
	do	do	8.30
	do	do	16.00
	do	do	58.50
29	Library Bureau	Catalogue case	40.50
	Lumbermen's Credit Association	Subscription	50.00
Aug. 11	Jno. C. Parker	Labels, etc.	12.00
14	Smithsonian Institution	Transportation exchanges	13.40
16	W. H. Lowdermilk & Co.	Books	9.55
	The Washington Post Co.	Post	4.20
	Dulan & Co.	Books	6.00
19	William Wesley & Son	do	46.10
Oct. 9	Lemcke & Buechner	Book	2.94
	do	do	9.96
Nov. 1	Brentano's	Books	8.40
4	The Lawyers' Cooperative Publishing Co.	do	12.00
	Total		611.23

RECAPITULATION.

First quarter	\$362.19
Second quarter	553.06
Third quarter	1,455.51
Fourth quarter	974.61
Supplemental	611.23
Total	3,956.60

MUSEUM.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	Celia Gilletly et al.	Salaries	\$105.70
Aug. 31	do	do	110.86
Sept. 30	do	do	123.60
	Total first quarter		340.16
Oct. 31	Celia Gilletly et al.	Salaries	125.70
Nov. 30	do	do	123.60
Dec. 31	do	do	125.90
	Total second quarter		375.20
1899.			
Jan. 31	Celia Gilletly et al.	Salaries	127.90
Feb. 28	do	do	119.20
Mar. 31	do	do	127.90
	Total third quarter		375.00
Apr. 29	Celia Gilletly et al.	Salaries	124.10
May 31	do	do	126.80
June 30	do	do	124.10
	Total fourth quarter		375.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

RECAPITULATION.

First quarter	\$340.16
Second quarter	375.20
Third quarter	375.00
Fourth quarter	375.00
Total	1,465.36

CONTINGENT EXPENSES.

Date.	Name.	Nature of payment.	Total.
1898.			
July 9	E. E. Perkins	Internal-revenue stamps	\$1.30
13	Carrie Stueven	Washing towels	9.65
15	W. P. Cutter	Traveling expenses	28.95
18	The Andrew J. Joyce Carriage Co.	Repairs to carriage	2.50
	Schondan & Harris	Horseshoeing .....	.50
21	Capital Traction Co	Car tickets	41.50
	T. W. Smith	Compo board	10.08
25	E. Morrison Paper Co	Rubber bands	95.85
	Belt & Dyer	Molding	9.00
26	M. Du Perow	Key sockets	7.68
	R. P. Clarke	Pink tape	6.96
	Mackall Bros	Fly paper	4.00
27	Chadwick Copying Book Co	Copying books	90.00
	Austin Smith	Blotting paper	21.60
	E. M. Tilden	Ink	4.20
	Yawman & Erbe Manufacturing Co	Copying paper	12.00
Aug. 3	Mamie Lewis	Washing towels	38.50
9	W. M. Galt & Co	Feed	76.68
	Jno. E. Galloway	Electric fans, etc	180.00
	do	Electric fans	126.00
	do	Electric fans, etc	108.75
	M. Du Perow	Electric fans	252.00
	do	Electric fans, etc	32.70
	do	Cut-outs, etc	14.62
	do	do	8.01
	Wyckoff, Seaman & Benedict	Repairs to typewriter	1.50
	J. R. Buckelew	Typewriter and paper	96.75
	do	do	92.25
10	Geo. Meier & Co	Paints	5.70
	The Okonite Co., Limited	Wire	25.00
	C. S. Braisted	Pencils	21.50
12	United States Electric Lighting Co	Electric currents	42.72
	do	do	9.34
	S. P. Johnson	Repairs to typewriter	3.60
16	Jno. C. Parker	Stationery	88.38
18	Rufus P. Clarke	5 yards rep	6.75
	Great Falls Ice Co	Ice	95.83
	Harris & Shafer	Clock	7.59
	do	do	7.59
19	Western Union Telegraph Co	Telegraph services	2.37
	Washington Gas Light Co	Gas	24.50
	Fred A. Schmidt	Pencils .....	.94
	Mackall Bros	Sponges	19.00
	Rudolph, West & Co	Hardware	17.76
20	W. A. Pate	Cord .....	.50
	Belt & Dyer	Molding	19.55
23	Royce & Marean	Cord	14.75
	do	Electric supplies	9.80
	J. H. Brigham	Traveling expenses	26.66
24	Holyoke Envelope Co	Envelopes	16.25
	The White, Corbin & Co	do	30.75
	C. S. Braisted	Pencils, etc	16.34
	Jno. P. Nawrath	Twine	40.50
25	Easton & Rupp	Ink, etc	10.55
	Rudolph, West & Co	Mops, etc	12.07
	R. C. Ballantyne	Stationery	46.90
	C. R. Edmonston	Buckets	6.60
	United States Electric Lighting Co	Lamps	7.20
	E. Morrison Paper Co	Ink	4.80
	Louis Hartig	Tacks .....	.60
27	W. H. Butler	Gasoline .....	.75
	Cleveland Cycle Co	Bicycle	60.00
	Wm. J. Zeh	Coal	33.87
	F. P. May & Co	Saw files	1.15
	Harris & Shafer	Clock	7.59
	The White, Corbin & Co	Envelopes	28.50
Sept. 2	Jas. H. McGill	Plaster paris	1.65
6	Mamie Lewis	Washing towels	45.62
7	Library Bureau	Cards	7.80
	The J. F. W. Dorman Co	Stamp rubber	41.00
	Yawman Erbe Manufacturing Co	Cards	1.20

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 7	Jno. C. Parker	Stationery	\$534.08
13	The White, Corbin & Co.	Envelopes	41.50
	J. H. Brigham	Traveling expenses	17.70
15	Jas. B. Lambie	Scissors	11.40
	The Office and Library Co.	Binding cases	9.80
	United States Electric Lighting Co.	Electric lights	63.56
	do	Current for fans	21.86
	Jno. H. Wilkerson	Inspecting boilers	20.00
	Wyckoff, Seamans & Benedict	Repairs	.60
	J. R. Buckelew	Letter paper	10.50
	F. P. May & Co.	Files	11.02
19	Jas. Wilson	Traveling expenses	48.35
20	McDermott Carriage Co.	Storm apron	5.00
	E. M. Tilden	Machine ink	.70
	Great Falls Ice Co.	Ice	107.68
	S. J. Meeks	Repairs	35.00
	W. M. Galt & Co.	Oats	49.50
	Capital Traction Co.	Car tickets	41.50
22	Alice G. Hall	Department publications	8.00
23	Pennsylvania R. R. Co.	Passenger transportation	12.00
	Adams Express Co.	Transportation	12.65
26	Burlington, Cedar Rapids and Northern R. R. Co.	do	2.84
	Total first quarter		3,310.29
Oct. 1	Rudolph, West & Co.	Hardware	14.64
	do	Stable buckets	2.22
	E. B. French	Feed boxes	6.00
	United States Electric Lighting Co.	Lighting grounds	77.50
	do	do	77.35
	Francis Miller	Oil	2.25
	C. Becker	Stable supplies	34.11
	Z. D. Gilman	Rubber-stamp material	1.35
	do	Recipe	.80
	W. B. Moses & Sons	Dusters	21.25
	J. T. Tomson	Embossing	27.00
	M. Du Perow	Electric supplies	7.00
	do	do	7.50
	R. C. Ballantyne	Pens, etc.	15.65
	Washington Gas Light Co.	Gas	24.20
	Schondan & Harris	Horseshoeing	1.50
	The Maurice Joyce Engraving Co.	Engraving	1.50
	E. Morrison Paper Co.	Bands	31.95
	W. H. Veerhoff	Framing pictures	20.00
	The Smith Premier Typewriter Co.	Typewriter and card attachment.	94.50
	Easton & Rupp	Stationery supplies	114.30
	Louis Hartig	Horseshoes	5.80
	Mamie Lewis	Washing towels	44.00
3	Safety Bottle and Ink Co.	Faul's writing fluid	6.80
	John Underwood & Co.	Ink	6.00
	W. H. Baum	Coal	1,157.00
	Josephine A. Clark	Traveling expenses	11.00
4	J. H. Brigham	do	18.40
5	Standard Oil Co.	Benzine	4.43
6	Harris & Shafer	Repairing clocks	8.50
	M. W. Beveridge	Hampers	6.90
	W. M. Galt & Co.	Feed	78.68
	B. F. T. Bell	Batons	3.50
	James Wilson	Traveling expenses	30.12
8	United States Electric Lighting Co.	Lights, etc.	112.77
	do	do	11.57
	The Maurice Joyce Engraving Co.	Engraving	1.50
	Thos. Somerville & Sons	Dies	5.40
14	United States Express Co.	Transportation	19.10
	Rudolph, West & Co.	Water cooler, etc.	7.87
	Washington Gas Light Co.	Gas	24.20
	Schondan & Harris	Shoeing horses	1.50
17	I. P. Roosa	Services	75.00
18	Holyoke Envelope Co.	Envelopes	5.10
	The Okonite Co., Limited	Wire	21.30
20	Great Falls Ice Co.	Ice	88.91
24	R. C. Ballantyne	Stationery supplies	75.94
	Jno. C. Parker	do	302.49
	Chicago and Northwestern Rwy. Co.	Passenger transportation	13.50
	Burlington, Cedar Rapids and Northern R. R. Co.	do	2.84
	Erie R. R. Co.	do	4.00
26	Peter Hager	Horseshoes	18.75

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 28	Geo. F. Muth & Co.	Ink	\$4.50
	C. Becker	Stable supplies	30.65
31	Yawman & Erbe Manufacturing Co	Oak case	9.00
Nov. 1	Rufus P. Clark	Towels	67.85
	Jas. S. Topham	Portfolio	6.00
	Instantaneous Fire Alarm Co	Rent of boxes	15.00
	Austin Smith	Blotting paper	21.60
2	Mamie Lewis	Washing towels	48.40
3	J. H. Bunnell & Co.	Electric-light shades	7.50
	Jno. C. Parker	Repairing typewriter and paper	53.50
	Mackall Bros	Glasses, etc	21.81
	do	Soap and camphor	7.45
	United States Electric Lighting Co.	Electric lamp	10.00
7	E. Morrison Paper Co.	Rubber bands	39.36
	Wm. H. Galt & Co.	Feed	66.54
	United States Electric Lighting Co.	Light for grounds and building	124.92
	J. R. Buckelew	Typewriter and repairs	90.50
8	Washington Gas Light Co	Gas	30.50
9	The J. F. W. Dorman Co	Stamp rubber	41.00
	W. H. Veerhoff	Picture rod and hook	5.10
11	Henry E. Alvord	Traveling expenses	82.95
14	W. P. Cutter	do	22.00
16	The Maurice Joyce Engraving Co.	Engraving	1.50
	Church & Stephenson	Lumber	1.20
	Easton & Rupp	Stationery supplies	26.85
	Wyckoff, Seamans & Benedict	Repairs to typewriter	11.40
	do	do	6.60
	Rudolph, West & Co	Hardware, etc	13.38
	Jas. B. Lambie	Scissors and shears	15.60
	do	Glue and wire	14.43
	do	Chamois skins	12.00
	do	Cord, casters, etc	2.63
	do	Screw eyes	.43
	Great Falls Ice Co.	Ice	72.65
	Geo. F. Muth & Co.	Glue, ink, etc.	13.94
	Schondan & Harris	Horseshoes	1.50
	Wm. J. Zeh	Coal	17.39
21	American Machinery Co.	Trimmer	150.00
29	Elsie E. Lower	Hemming towels	1.00
	J. H. Brigham	Traveling expenses	15.24
30	Library Bureau	Index cards	3.30
	do	do	3.30
Dec. 1	Wm. J. Zeh	Coal	51.76
	do	do	60.11
	Mamie Lewis	Washing towels	47.15
2	J. R. Galloway	Electric fans	90.00
	Fred A. Schmidt	Magnifying glass	1.20
	The J. C. Ergood Co	Soap	8.62
	Western Union Telegraph Co	Telegraph service	13.44
	C. R. Edmonston	Cooler	2.82
	R. P. Clarke	Tape	5.22
	M. Du Perow	Electric supplies	12.85
	R. C. Ballantyne	Pens, etc	10.60
	Thos. Somerville & Son	Boiler compound	10.00
	Louis Hartig	Horseshoes, etc	8.19
	J. P. Nawrath	Twine	10.13
5	Burrelle's Press Clipping Bureau	Clippings	15.00
	W. M. Galt & Co.	Feed	98.40
	Schondan & Harris	Horseshoeing	1.50
	Capital Traction Co.	Car tickets	41.50
6	W. P. Cutter	Traveling expenses	10.40
8	Yawman & Erbe Manufacturing Co	Copying paper	18.00
	Z. D. Gilman	Oil	.60
	Rudolph, West & Co	Tubing, hardware, etc	38.97
	Pennsylvania Company	Passenger transportation	35.00
	Chicago and Northwestern Rwy Co	do	24.90
	Baltimore and Ohio R. R. Co	do	17.00
10	Mackall Bros	Brushes, soap, etc	29.78
	Great Falls Ice Co	Ice	53.24
	United States Electric Lighting Co.	Lighting grounds and buildings	146.97
	do	Electric current	8.12
	Washington Gas Light Co	Gas	33.60
13	Easton & Rupp	Envelopes	80.63
	Geo. S. Waldo	Traveling expenses	18.85
14	Lutz & Co	Carriage candles	1.10
	F. P. May & Co	Saw, etc	.60
	Wyckoff, Seamans & Benedict	Repairs to typewriter, etc	4.35
	E. Morrison Paper Co.	Cardboard	.80
	The Smith Premier Typewriting Co.	Typewriter	92.25
	do	Typewriter, etc	94.50

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Dec. 14	The McDermott Carriage Co.....	Glass.....	\$3.25
	W. H. Baum.....	Coal.....	94.75
17	Lutz & Co.....	Harness.....	50.00
	W. M. Sigourney.....	Washing towels.....	5.15
	Wash. B. Williams.....	Shades.....	7.00
	J. A. Simmons.....	Washing towels.....	17.44
19	Chicago and Alton R. R. Co.....	Passenger transportation.....	6.05
20	C. S. Braisted.....	Pencils.....	18.20
	E. J. Brooks & Co.....	Numbering machine.....	8.40
21	C. A. Woolsey Paint and Color Co.....	Kalsomine.....	7.00
	Louis Hartig.....	Horseshoes.....	2.90
	J. R. Galloway.....	Electric fans and casing.....	116.25
22	J. H. Brigham.....	Traveling expenses.....	17.25
	Milton Whitney.....	do.....	64.80
23	L. G. Orndorff.....	Whips.....	4.50
	C. Schneider's Sons.....	Keys.....	1.50
	Wyckoff, Seamans & Benedict.....	Repairs to typewriter.....	6.00
	Johnson Bros.....	Wood.....	105.56
28	C. Becker.....	Stable supplies.....	28.85
	Jas. H. Grant.....	Moving elevator.....	146.00
	Total second quarter.....		5,851.06
1899.			
Jan. 3	Francis Miller.....	Gold leaf.....	3.50
	M. Du Perow.....	Electric supplies.....	41.71
	E. Morrison Paper Co.....	Rubber bands.....	83.41
	The Chicago Press Clipping Bureau.....	Clippings.....	33.26
4	R. P. Clarke.....	Tape.....	6.96
	United States Express Co.....	Transportation.....	13.25
	Royce & Marean.....	Electric supplies.....	15.42
	The Geo. W. Knox Express Co.....	Transportation.....	12.41
	Geo. S. Waldo.....	Traveling expenses.....	5.00
	The Andrew J. Joyce Carriage Co.....	Coupe rockaway.....	775.00
	Wm. J. Zeh.....	Coal.....	71.75
5	The J. F. W. Dorman Co.....	Stamp rubber.....	41.00
	do.....	Daters.....	18.00
	Holyoke Envelope Co.....	Envelopes.....	16.25
	Jas. H. Callender.....	Shades and holders.....	11.00
	J. A. Simmons.....	Washing towels.....	26.80
6	Chicago and Northwestern Rwy. Co.....	Passenger transportation.....	11.08
	Lake Shore and Michigan Southern Rwy. Co.....	do.....	7.00
	Houston and Texas Central R. R. Co.....	do.....	8.25
	Baltimore and Ohio R. R. Co.....	do.....	21.00
	Pennsylvania R. R. Co.....	do.....	17.00
7	Burrelle's Press Clipping Bureau.....	Clippings.....	15.00
	W. M. Galt & Co.....	Feed.....	54.67
	Jos. A. Renehan.....	Bay horse.....	175.00
10	Ernest Betz.....	Elbows.....	2.00
11	W. H. Baum.....	Coal.....	570.92
12	I. P. Roca.....	Service.....	75.00
	Z. D. Gilman.....	Horse medicine.....	1.65
	Estate of M. W. Beveridge.....	Umbrella stand.....	1.60
	The Geo. W. Knox Express Co.....	Transportation.....	3.25
	do.....	do.....	.75
13	United States Electric Lighting Co.....	Lighting buildings.....	173.58
	do.....	Lamps.....	18.30
	do.....	Electric current.....	9.46
	Postal Telegraph Cable Co.....	Telegraph service.....	1.99
	Western Union Telegraph Co.....	do.....	19.38
16	Washington Gas Light Co.....	Gas.....	31.00
	Chesapeake and Potomac Telephone Co.....	Moving telephones.....	2.00
	United Typewriter and Supplies Co.....	Repairs to typewriter.....	.50
	E. M. Tilden.....	Stamp rack.....	1.45
	Wyckoff, Seamans & Benedict.....	Repairs to typewriter.....	11.55
17	Chicago Press Clipping Bureau.....	Clippings.....	36.28
19	J. H. Brigham.....	Traveling expenses.....	26.55
	Capital Traction Co.....	Car tickets.....	41.50
	Great Falls Ice Co.....	Ice.....	49.63
	Albert Kahlert & Co.....	Altering and sewing carpets.....	98.01
	W. B. Moses & Sons.....	Dusters, shades, etc.....	43.40
20	Geo. F. Muth & Co.....	Putty.....	3.00
	J. A. Simmons.....	Washing towels.....	18.28
21	C. Becker.....	Pole straps.....	10.00
	Instantaneous Fire Alarm Co.....	Rent, boxes.....	15.00
25	W. P. Cutter.....	Traveling expenses.....	7.50
26	The Evening Star Newspaper Co.....	Advertising for coupe.....	.60
28	Jno. C. Parker.....	Stationery supplies.....	756.79
	do.....	do.....	211.77

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 28	Adams Express Co	Transportation	\$6.25
	do	do	20.60
30	Pennsylvania Company	Passenger transportation	17.50
	Baltimore and Ohio R. R. Co	do	10.00
	Lake Shore and Michigan Southern Rwy. Co.	do	9.63
	New York, New Haven and Hartford R. R. Co.	do	10.00
Feb. 1	Allen's Press Clipping Bureau	Clippings	8.00
	New York Central and Hudson River R. R. Co.	Passenger transportation	10.40
	Illinois Central R. R. Co	do	8.25
	Jno. P. Nawrath	Twine	20.63
	R. Carter Ballantyne	Stationery supplies	87.11
3	Southern Rwy. Co.	Passenger transportation	38.30
	United States Express Co	Transportation	3.60
	J. F. Sweeney	Carrots	3.00
	Estler Bros. & Co.	Matches	7.05
	J. A. Simmons	Washing towels	28.41
6	Rudolph, West & Co	Hardware	16.00
	do	Mops, etc	10.60
	J. C. Ergood Co	Pearline, soap, etc	43.73
	do	Soap, brooms, etc	36.57
	United States Electric Lighting Co	Electric lights, building	113.02
	do	Electric lights, museum	5.04
	do	Electric lights, grounds	77.50
8	Specialty Soap Manufacturing Co.	Soap	6.75
	Geo. Meier & Co	Bronze	2.70
	The Houghton Co	Shades	8.80
	C. E. McCoy	Gould's packing	34.40
	M. Du Perow	Electric supplies	8.64
	do	do	4.12
10	F. P. May & Co.	Gilt nail	1.00
	C. Becker	Storm covers, etc	12.93
	Wm. H. Baum	Coal and wood	573.91
	W. M. Galt & Co.	Feed	99.15
16	I. P. Roosa	Expenses	23.40
17	J. A. Simmons	Washing towels	23.15
20	J. H. Brigham	Traveling expenses	7.88
23	The Okonite Co., Limited	Wire	22.25
	Chadwick Copying Book Co	Copying books	17.28
	National India Rubber Co	Wire cable lead	3.25
	Chicago Press Clipping Bureau	Clippings	30.37
24	Library Bureau	Cards	12.60
	Peter Hager	Horseshoes	18.75
25	Western Union Telegraph Co	Telegraph service	24.71
	do	do	28.02
	Z. D. Gilman	Recipe	2.35
	Wm. J. Zeh	Coal	65.54
	Jas. B. Lambie	Chamois skins, etc	56.79
	Gilbert Photo. Co	Photos, Secretary Rusk	1.25
	Washington Gas Light Co	Gas	31.90
	M. Du Perow	Electric supplies	24.00
	Chesapeake and Potomac Telephone Co	Telephone service	100.46
	do	do	79.63
	do	do	1.76
	W. H. Butler	Gasoline	1.50
	W. H. Veerhoff	Molding	3.60
	E. M. Tilden	Pads, etc	21.00
	Easton & Rupp	Ink, etc	23.92
	Great Falls Ice Co.	Ice	46.75
	C. R. Edmonston	Soap dishes	3.30
	Mackall Bros	Soap	34.25
	do	Matches, etc	6.65
	Thos. Somerville & Sons	Boiler compound	32.25
28	Louisville and Nashville R. R. Co.	Passenger transportation	14.50
	The Maurice Joyce Engraving Co	Engraved plates	1.50
	The Office and Library Co	Stamp moistener	.60
	Harris & Shafer	Clock	7.59
	do	Clock and repairs	17.59
	E. M. Tilden	Stamping ink	2.70
Mar. 1	Robachers Disinfectant Co.	Powder	15.00
	Baltimore and Ohio R. R. Co.	Passenger transportation	45.50
	Denver and Rio Grande R. R. Co	do	12.50
	Texas and New Orleans R. R. Co	do	10.85
	Florida Central and Peninsular R. R. Co.	do	22.65
2	W. B. Moses & Sons	Dusters, etc	65.20
	R. Carter Ballantyne	Stationery	36.79
3	C. S. Braisted	Pencils	3.00
	Jas. Wilson	Traveling expenses	53.04

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 4	J. A. Simmons	Washing towels	\$18.29
7	Jno. Underwood & Co.	Typewriter ribbons	2.40
	C. A. Woolsey Paint and Color Co.	Graining color	1.70
9	United States Electric Lighting Co.	Electric lights	69.80
	United States Express Co.	Transportation	7.08
	W. M. Galt & Co.	Oats	26.40
	M. G. Copeland & Co.	United States flag	11.25
	Smith Premier Typewriter Co.	Repairs	.50
	Cleveland Cycle Co.	Bicycle	50.00
	Chesapeake and Potomac Telephone Co.	Moving telephone	1.00
10	Cleveland, Lorain and Wheeling Rwy. Co.	Passenger transportation	4.65
	Boston and Maine R. R. Co.	do	6.99
	United States Electric Lighting Co.	Electric current, building	88.95
	W. H. Baum	Coal	881.69
	J. T. Thompson	Stamping paper	57.00
11	M. Du Perow	Dry batteries	18.34
	Southern Rwy. Co.	Passenger transportation	55.00
13	Chicago Press Clipping Bureau	Clippings	18.06
14	Fredk. Springmann	Transportation	.80
	do	do	.72
	do	do	.40
	Capital Traction Co.	Street-car tickets	41.50
15	Washington Gas Light Co.	Gas	34.40
	C. Becker	Repairs to harness	22.20
	do	Horse brushes	7.00
	Smithsonian Institution	Transportation, exchanges	15.05
16	Burrelle's Press Clipping Bureau	Clippings	75.98
	W. P. Cutter	Traveling expenses	21.25
17	E. Morrison Paper Co.	Rubber bands	138.33
	Easton & Rupp	Scrapbooks, etc.	26.84
	Rudolph West & Co.	Repairs and shoeing horses	25.27
	do	Chest lock, etc.	.51
	Fred A. Schmidt	Pencils	11.25
	Z. D. Gilman	Shellac, etc.	7.53
	F. P. May & Co.	Files	1.57
	J. A. Simmons	Washing towels	24.05
	J. P. Nawrath	Twine	16.50
	Allen's Press Clipping Bureau	Clippings	16.00
	Wm. Lewis	Repairing chair, etc.	1.00
18	The Andrew J. Joyce Carriage Co.	Repairing coupe	98.50
	do	Collars, etc.	24.00
20	The White, Corbin & Co.	Manila envelopes	37.60
	Brown Bros.	Carrots	2.50
	Wm. J. Zeh	Coal	77.47
21	The Geo. W. Knox Express Co.	Transportation	1.84
22	Jno. R. Galloway	Electric supplies	6.00
24	Wm. H. Baum	Coal	397.95
25	Baltimore and Ohio R. R. Co.	Passenger transportation	22.75
	A. P. McElroy	Frame	2.00
	Belt & Dyer	Molding	13.50
30	Jno. C. Parker	Typewriter supplies, etc.	114.00
	do	Stationery	272.52
	Elsie E. Lower	Hemming towels	2.40
	Total third quarter		8,508.20
Apr. 1	The White, Corbin & Co.	Envelopes	8.82
	The J. T. W. Dorman Co.	Rubber-stamp material	2.70
	Safety Bottle and Ink Co.	Ink	6.80
	J. P. Nawrath	Twine	49.38
	Louis Hartig	Horseshoes	2.90
	Ernest Betz	Grate for stable	.50
	Wm. J. Zeh	Coal	54.48
3	The White, Corbin & Co.	Envelopes	117.50
	J. R. Buckelew	Typewriter supplies	17.50
	do	Letter paper	16.80
	do	Typewriter	90.00
	Standard Oil Co.	Oil	4.24
	do	Benzine	4.51
4	Cleveland Cycle Co.	Repairing bicycle	1.25
	Wyckoff, Seamans & Benedict	Repairing typewriter	10.75
	The Office and Library Co.	Binding cases	9.80
5	Harris & Shafer Co.	Clocks	12.59
	R. P. Clarke	Thread	4.25
	J. A. Simmons	Washing towels	32.11
6	C. S. Braisted	Pencils	14.46
	Austin Smith	Blotting paper	21.60
	Yawman & Erbe Manufacturing Co.	Cards	2.15
10	Jas. S. Topham	Satchel	6.50
	The Maurice Joyce Engraving Co.	Engraving	1.50

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 10	Rudolph, West & Co	Casters, etc	\$1.50
	W. M. Galt & Co	Feed	76.04
12	Great Falls Ice Co	Ice	54.19
	Maurice Joyce Engraving Co	Engraving	3.50
15	Z. D. Gilman	Oil	1.00
	Hugh Reilly	Brushes, etc	6.49
	Washington Gas Light Co	Gas	29.40
	Chadwick Copying Book Co	Copying books	45.00
	Washington Gas Light Co	Gas	5.90
17	United States Electric Lighting Co	Electric current	96.18
18	The American Distributing Co	Alcohol	22.48
	Springfield Envelope Co	Envelopes	16.16
	do	do	8.00
	F. W. McNeal	Typewriter, etc	101.00
	C. Becker	Carriage clock	4.50
	Rudolph, West & Co	Brooms, locks, etc	12.76
	Mackall Bros	Sponges	13.50
	Chesapeake and Potomac Telephone Co	Moving telephone	1.20
	Rufus P. Clarke	Towels and thread	21.00
	William Lewis	Repairing chairs	1.00
	W. P. Cutter	Traveling expenses	24.20
19	Johnson Bros	Wood	114.66
21	W. H. Baum	Coal	382.60
22	J. T. Thomson	Embossing	11.25
	Instantaneous Fire Alarm Co	Rent of boxes	15.00
	Josephine A. Simmons	Washing towels	25.15
	J. H. Brigham	Traveling expenses	13.35
	The Chicago Press Clipping Bureau	Clippings	10.86
	Holyoke Envelope Co	Envelopes	13.00
24	The White, Corbin & Co	do	61.21
	Jas. B. Lambie	Hardware	11.80
	do	do	4.98
	United States Electric Lighting Co	Arc lamps	76.50
	Rufus P. Clarke	Cheese cloth	1.92
	W. B. Moses & Sons	Dusters and shades	21.60
	Louis Hartig	Tacks	.90
25	Baltimore & Ohio R. R. Co	Passenger transportation	22.75
	Central R. R. Co. of New Jersey	do	6.50
28	E. Morrison Paper Co	Rubber bands	43.98
	The Andrew J. Joyce Carriage Co	Repairs to surrey	45.20
	R. Carter Ballautyne	Stationery supplies	34.81
29	C. S. Braisted	Pencils	7.50
May 1	The J. F. W. Dorman Co	Stamp rubber	41.00
	Royce & Marean	Electric supplies	8.00
	J. E. Bromwell & Sons	Repairing pitcher	.50
2	Josephine A. Simmons	Towels	32.20
3	J. R. Buckelew	Desk	9.00
	Chesapeake and Potomac Telephone Co	Telephone service	132.36
	do	do	6.25
4	Rudolph, West & Co	Horseshoe nails	11.08
	W. B. Moses & Sons	Cushions	4.50
	Rufus P. Clarke	Thread	5.95
	J. R. Buckelew	Metal case	2.25
	Jas. B. Lambie	Hooks	.50
8	I. P. Roosa	Services, Jan. 1 to Mar. 31, 1899	75.00
11	W. M. Galt & Co	Feed	63.83
	Easton & Rupp	Stationery supplies	36.46
	Albert Kahlert & Co	Laying carpet	4.39
16	Jas. Wilson	Traveling expenses	23.70
17	Great Falls Ice Co	Ice	59.18
	United States Electric Lighting Co	Lighting grounds	74.60
	do	Lights and fans in buildings	65.01
	Geo. Meier & Co	Bronze	5.70
18	The American Distributing Co	Alcohol	92.06
	Burrelle's Press Clipping Bureau	Clippings	68.34
19	Delaware, Lackawanna & West. R. R. Co	Transportation	35.44
20	Josephine A. Simmons	Washing towels	25.59
24	The Chicago Press Clipping Bureau	Clippings	8.35
	C. R. Edmonston	Brushes, etc	5.80
	Washington Gas Light Co	Gas	23.30
26	Jno. C. Parker	Stationery supplies	408.07
	W. P. Cutter	Traveling expenses	29.25
June 1	The Washington Post Co	Advertising	10.45
	Capital Traction Co	Car tickets	41.50
	The Chesapeake and Potomac Telephone Co	Telephone service	1.60
	Rufus P. Clarke	Carriage covers	10.00
	Mackall Bros	Brushes and combs	14.98
	do	Glasses	1.52
	C. Becker	Whip and hoof packing	6.83
	Louis Hartig	Horseshoes	5.80

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
June 1	M. Du Perow	Shade and motor brushes	\$5.50
	Easton & Rupp	Scales	2.70
	Postal Telegraph Cable Co	Telegraph service	1.60
	W. J. Zeh	Coal	33.26
	Fredk. Springmann	Hauling, etc .....	.80
2	Baltimore and Ohio R. R. Co	Passenger transportation	16.00
	Cincinnati, Hamilton and Dayton Rwy. Co.	do	1.55
	The Press Co	Advertising	17.00
	Wesley Manufacturing Co.	Stapling machines and scales	5.10
10	Jas. B. Lambie	Saw	1.15
13	C. Becker	Horse covers, etc.	18.50
	R. P. Clarke	Linen desk covers	4.00
	Josephine A. Simmons	Washing towels	24.86
	J. R. Buckelew	Adjusting typewriters, etc	3.85
	E. Morrison Paper Co.	Writing fluid	1.85
	Church & Stephenson	Lumber	20.30
	Harris & Shafer Co	Repairing clock	4.00
	J. B. Kendall	Hoof pads	2.50
	Allen's Press Clipping Bureau	Clippings	16.00
	Library Bureau	Cards	7.80
	C. S. Braisted	Pencils	14.91
	J. H. Brigham	Traveling expenses	17.20
16	W. P. Cutter	do	4.00
	Jas. Wilson	do	10.50
	do	do	114.54
17	Rudolph, West & Co	Locks	1.90
	The Maurice Joyce Engraving Co	Engraving plates	1.50
20	Logan, Swift & Brigham Envelope Co	Envelopes	12.80
	Easton & Rupp	Mucilage	10.25
	Great Falls Ice Co.	Ice	73.64
	W. M. Galt & Co	Feed	86.40
	The Chicago Press Clipping Bureau	Clippings	21.12
	Josephine A. Simmons	Washing towels	32.00
21	The Columbia Rubber Works Co	Penholders	18.50
24	Wyckoff, Seamans & Benedict	Adjusting typewriters .....	.90
	Blue Line Transfer Co	Transportation	6.47
	The Andrew J. Joyce Carriage Co	Lamps	2.00
	Adams Express Co.	Transportation	21.99
	do	do	18.70
	do	do	4.85
27	Southern Rwy. Co	Passenger transportation	88.74
	do	do	16.50
	South Carolina and Georgia R. R. Co	do	4.25
	New York, New Haven and Hartford R. R. Co.	do	10.00
	Baltimore and Ohio R. R. Co	do	20.00
	Pennsylvania R. R. Co	do	14.50
29	R. C. M. Burton	Removing, etc., awnings	35.62
	Washington Gas Light Co	Gas	22.50
	Thos. A. Ladson	Repairing clock	1.50
	C. Becker	Stable supplies	9.85
	R. C. Ballantyne	Stationery supplies	24.68
	United States Electric Lighting Co	Lights and fans	61.95
	do	Lights for grounds	77.35
	Total fourth quarter		4,469.88
	<i>Supplemental.</i>		
July 6	Instantaneous Fire Alarm Co	Rent of boxes	15.00
	Johnson Bros	Wood	72.80
7	I. P. Roosa	Services	75.00
8	Josephine Simmons	Washing towels	25.19
11	United States Electric Lighting Co	Lights and fans	95.27
	do	Lighting grounds	75.00
	W. M. Galt & Co	Feed	49.62
12	United States Express Co	Transportation	20.88
	do	do	22.10
	do	do	9.00
	do	do	2.80
14	The Automatic Telephone Exchange Co., Limited.	Telephone rent	3.00
18	Z. D. Gilman	Calomel	1.00
	The Chesapeake and Potomac Telephone Co.	Telephone service	135.96
	do	do	6.25
19	Rudolph, West & Co	Hair sweeps	7.41
21	Great Falls Ice Co.	Ice	103.41
	The Bradstreet Co	Subscription	75.00

18 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
July 21	Washington Gas Light Co.	Gas	\$17.40
	Cleveland Cycle Co.	Repairing wheel	.75
	Albert Kahler & Co.	Cleaning and storing carpets	60.90
28	M. Du Perow	Attaching plugs	2.88
	Postal Telegraph Cable Co.	Telegraph service	3.03
	Western Union Telegraph Co.	do	18.70
Aug. 2	Yawman & Erbe Manufacturing Co.	Set alphabet	.50
3	The Chesapeake and Ohio Rwy. Co.	Passenger transportation	14.55
	Southern Rwy. Co.	do	25.95
	Jno. C. Parker	Manila paper	41.00
	Geo. F. Muth & Co.	Sandpaper	1.08
8	Allen's Press Clipping Co.	Clippings	24.00
11	Jno. C. Parker	Repairs to typewriter	2.70
16	Adams Express Co.	Transportation	6.60
	do	do	.80
	do	do	11.85
	do	do	45.75
18	do	do	56.70
24	Royce & Marean	Tape	1.32
	The J. C. Ergood & Co.	Soap and brooms	23.98
Sept. 1	Fredck. Springmann	Hauling	1.40
	Wyckoff, Seamans & Benedict	Adjusting typewriter	.50
	Fredck. Springmann	Hauling	2.27
6	The Chesapeake and Ohio Rwy. Co.	Passenger transportation	14.55
15	Mackall Bros.	Lye	1.50
19	Burrelle's Press Clipping Bureau	Clippings	5.58
20	United States Express Co.	Transportation	.90
	do	do	1.80
	do	do	4.65
	do	do	16.65
	do	do	3.20
Oct. 4	I. P. Roosa	Expenses	25.24
12	E. M. Tilden	Pad	2.16
18	Adams Express Co.	Transportation	8.65
	do	do	8.00
	do	do	18.80
Nov. 6	The Geo. W. Knox Express Co.	do	1.81
	Baltimore and Ohio Rwy. Co.	Passenger transportation	19.45
	Total		1,292.23

RECAPITULATION.

First quarter	\$3,310.29
Second quarter	5,851.06
Third quarter	8,508.20
Fourth quarter	4,469.88
Supplemental	1,292.23
Total	23,431.66

QUARANTINE STATIONS.

Date.	Name.	Nature of payment.	Total.
1898.			
Aug. 4	W. B. E. Miller et al.	Salaries	\$239.10
	Harry F. Hume	Labor	19.50
5	Edw. Pennock	Thermometer	10.00
6	H. D. Mayne	Salary	101.10
	J. H. Linehan	do	101.10
13	Jos. Hawkins	do	16.00
16	D. Cumming	do	40.00
	Wm. H. Wade	do	75.80
	W. B. E. Miller	Traveling expenses	4.15
	H. D. Mayne	do	2.52
24	R. J. O'Brien	Feed	51.59
Sept. 8	H. D. Mayne	Salary	101.10
	Harry F. Hume	Labor	19.50
	D. Cumming	Salary	55.00
10	Wm. H. Wade	do	75.80
	Wm. B. E. Miller et al.	Salaries	239.10
20	H. D. Mayne	Traveling expenses	4.72
21	Wm. B. E. Miller	do	2.30

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

QUARANTINE STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 21	Jos. Hawkins	Salary	\$48.00
	J. H. Linehan	do	101.10
22	Wm. B. E. Miller	Expenses	7.80
	Total first quarter		1,315.28
Oct. 3	The Real Estate and Improvement Co.	Rent of land	56.25
	The Garfield Land Association	do	450.00
4	W. H. Wade	Salary	73.40
10	Wm. B. E. Miller et al.	Salaries	231.80
	Patrick Dorsey	Labor	25.50
	Harry F. Hume	do	31.50
13	D. Cumming	Salary	100.00
17	Jos. Hawkins	do	56.00
	J. H. Linehan	do	97.80
	H. D. Mayne	do	97.80
19	Wm. B. E. Miller	Traveling expenses	4.15
	A. G. G. Richardson	do	3.41
21	H. D. Mayne	do	10.42
22	Wm. B. E. Miller	Expenses	6.82
	A. D. Melvin	Traveling expenses	17.00
Nov. 3	Wm. H. Wade	Salary	75.80
	Y. T. Zabriskie	Repairing harness, etc	8.50
	Miles Outwater	Stable, rent	8.00
4	Patrick Dorsey	Labor	15.00
	H. F. Hume	do	28.50
7	H. D. Mayne	Salary	101.10
8	W. B. E. Miller et al.	Pay roll, Garfield, N. J.	239.10
9	Estate of J. A. Harwood	Rent of land	62.50
	Jno. Sheeran	Horseshoeing, etc	8.90
15	Joseph Hawkins	Services	76.00
	D. Cumming	do	80.00
22	H. D. Mayne	Traveling expenses	14.87
	W. B. E. Miller	do	2.20
	L. W. Phelps	Lumber, etc	149.50
Dec. 1	Chas. Hubinger	General supplies	26.75
	Jno. Sheeran	Horseshoeing	2.00
	Howard Wilson	Stables, rent	5.00
	H. D. Mayne	Use of team	10.00
2	Knowles Steam Pump Works.	Repairing pump	50.25
	The Anderson Lumber Co.	Foundation walls, etc	20.01
3	W. H. Wade	Salary	73.40
5	R. J. O'Brien	Feed	24.28
6	W. B. E. Miller et al.	Pay roll, Garfield, N. J.	231.80
7	Jos. Hawkins	Salary	32.00
9	H. F. Hume	Labor	30.00
	J. H. Linehan	Salary	35.87
	Benj. Howes	do	55.43
	do	Traveling expenses	34.75
10	H. D. Mayne	Salary	97.80
12	D. Cumming	do	105.00
13	Benj. Howes	do	97.80
19	do	Traveling expenses	20.35
	H. D. Mayne	do	11.12
22	W. B. E. Miller	do	2.85
23	Jos. C. Philbrook	Repairing wagon	9.50
	A. M. Farrington	Traveling expenses	2.86
	Total second quarter		3,110.64
1899.			
Jan. 5	The Garfield Land Association	Rent of land	450.00
7	Rudolph, West & Co.	Shovels and nails	4.28
	W. H. Wade	Salary	75.80
	W. B. E. Miller et al.	Pay roll, Garfield, N. J.	239.10
12	W. H. Butler	Glass	6.00
14	Jos. Hawkins	Salary	52.00
	D. Cumming	do	65.00
18	W. B. E. Miller	Traveling expenses	7.40
	A. G. G. Richardson	do	9.73
19	The Real Estate Improvement Co.	Rent of land	56.25
	H. T. Hume	Labor	40.50
	H. D. Mayne	Salary	101.10
	do	Traveling expenses	9.12
	Benj. Howes	Salary	101.10
	do	Traveling expenses	10.65
20	J. B. Lambie	Ax, saw, etc	2.30
31	Howard Wilson	Stable rent	5.00
	Thatcher & Ireland	Coal	12.50
	Estate J. A. Harwood	Rent of land	62.50

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

QUARANTINE STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 3	W. H. Wade	Salary	\$77.50
4	New York and New Jersey Telephone Co	Telephone service	26.80
	Chas. Foerster	Painting rooms	15.00
6	New York and New Jersey Telephone Co	Telephone service	28.45
	Harry F. Hume	Labor	39.00
	Benj. Howes	Salary	103.30
	H. D. Mayne	do	103.30
11	W. B. E. Miller et al	Pay roll, Garfield, N. J	244.60
16	D. Cumming	Salary	75.00
21	W. B. E. Miller	Traveling expenses	3.50
23	Gibbs E. Clarke, administrator	do	9.85
	Joseph Hawkins	Salary	32.00
	H. D. Mayne	Traveling expenses	7.62
	Benj. Howes	do	4.15
24	Walworth Construction and Supply Co	Repairs to pump	2.80
	Poehlmann & Schneffe	Fence posts	21.25
Mar. 1	R. J. O'Brien	Feed	52.66
6	W. H. Wade	Salary	70.00
11	H. F. Hume	Labor	36.00
13	W. B. E. Miller et al	Salaries	220.80
	Benj. Howes	Salary	93.40
	H. D. Mayne	do	93.40
	D. Cumming	do	45.00
16	F. C. Philbrook	Shoeing horse	10.50
	The Anderson Lumber Co.	Repairing fences, etc.	103.16
17	W. B. E. Miller	Traveling expenses	2.75
	Jas. Forsyth & Co	Repairs to buildings, fences, etc	58.70
22	H. D. Mayne	Traveling expenses	4.50
	D. Cumming	do	27.45
	Total third quarter		2,982.77
Apr. 6	Harry F. Hume	Labor	22.50
	W. H. Wade	Salary	77.50
	W. B. E. Miller et al	Pay roll, Garfield, N. J	244.60
8	Benj. Howes	Salary	103.30
	H. D. Mayne	do	103.30
	D. Cumming	do	100.00
17	A. G. G. Richardson	Traveling expenses	4.99
19	Benj. Howes	do	11.50
21	W. B. E. Miller	Expenses	4.40
24	do	Traveling expenses	3.50
29	F. C. Philbrook	Horseshoes	3.00
	H. J. Harwood	Rent of land, January, February, and March.	62.50
	The Real Estate and Improvement Co. of Baltimore, Md.	do	56.25
	The Garfield Land Association	do	450.00
	Chas. A. Hunter	Rent of stable, January, February, and March.	7.00
May 8	W. B. E. Miller et al	Pay roll, Garfield, N. J	234.00
	Benj. Howes	Salary	98.90
9	H. D. Mayne	do	98.90
	Harry F. Hume	Labor	19.50
	A. G. G. Richardson	Expenses	.45
	D. Cumming	Traveling expenses	15.20
13	do	Salary	70.00
15	H. D. Mayne	Traveling expenses	18.62
16	Benj. Howes	do	4.15
18	Wm. H. Wade et al	Pay roll, St. Denis, Md	130.45
June 1	Geo. F. Muth & Co.	Putty	.08
2	S. A. Holland	Building fences	137.17
7	Wm. H. Wade	Salary	76.60
	Harry F. Hume	Labor	46.50
	Benj. Howes	Salary	102.20
	D. Cumming	Salary	70.00
8	Wm. B. E. Miller et al	Pay roll, Garfield, N. J	242.00
14	H. D. Mayne	Salary	102.20
	do	Traveling expenses	21.62
	Benj. Howes	do	14.25
	Wm. B. E. Miller	do	5.45
19	H. D. Mayne	do	9.52
20	D. Cumming	do	16.20
	W. E. B. Miller	do	2.85
21	D. Cumming	do	47.34
29	A. M. Farrington	do	4.98
	Total fourth quarter		2,843.47

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

QUARANTINE STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental.</i>			
1899.			
July 1	C. A. Hunter	Stable rent	\$7.00
7	W. B. E. Miller et al.	Pay roll, Garfield, N. J.	234.00
8	Harry F. Hume	Salary	39.00
12	Rawlings Implement Co.	Pumps, etc.	140.00
18	W. H. Wade	Salary	74.20
19	W. B. E. Miller	Traveling expenses	2.85
	A. G. G. Richardson	do	8.15
	Benj. Howes	do	12.60
	H. D. Mayne	do	4.62
20	Garfield Land Association	Rent of land	450.00
	J. C. Philbrook	Shoeing horses	7.00
	G. T. Zabriskie	Repairing harness	5.65
	Chas. Hubinger	Wheelbarrows, etc.	8.50
	H. J. Harwood	Rent of land	62.50
Aug. 2	Real Estate and Improvement Co. of Baltimore.	do	56.25
Sept. 8	The New York and New Jersey Telephone Co.	Telephone service	25.15
	do	do	26.60
Oct. 7	M. J. Coman	Board fence	417.15
	Total		1,581.22

RECAPITULATION.

First quarter	\$1,315.28
Second quarter	3,110.64
Third quarter	2,982.77
Fourth quarter	2,843.47
Supplemental	1,581.22
Total	11,833.38

COLLECTING AGRICULTURAL STATISTICS.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	Harry T. Newcomb et al.	Salaries	\$5,154.60
	E. T. Peters	Salary	147.00
Aug. 2	R. H. Troy	do	75.00
3	W. H. Pleasants	do	20.00
	Jno. L. Cantwell	do	20.00
	L. M. Erskine	do	50.00
9	Henry Hawkins	do	20.00
	L. C. Dorgan, jr.	do	25.00
11	W. O. H. Shepard	do	20.00
19	Earle Sloan	do	25.00
23	Jno. C. Parker	Typewriter shuttles	56.00
31	Harry T. Newcomb et al.	Salaries	5,048.50
Sept. 2	R. H. Troy	Salary	75.00
3	Jno. L. Cantwell	do	20.00
7	Library Bureau	Tin tray	9.00
10	W. H. Pleasants	Salary	20.00
	L. M. Erskine	do	50.00
	W. O. H. Shepard	do	20.00
	L. C. Dorgan, jr.	do	25.00
	Henry Hawkins	do	20.00
13	The White, Corbin & Co.	Envelopes	29.75
16	E. T. Peters	Salary	108.50
20	Earle Sloan	do	25.00
22	Willett & Gray	Subscription, Sugar Trade Journal.	15.00
	The White, Corbin & Co.	Envelopes	103.12
30	W. C. Duncan	Services	250.00
	Jno. Cownie	do	200.00
	Kilburn Harwood	do	200.00
	Geo. Husmann	do	200.00
	H. H. Green	do	200.00
	Harry O. Garvey	do	175.00
	F. E. Dawley	do	175.00
	W. W. Miller	do	175.00
	Levi Chubbuck	do	175.00
	B. W. Furnas	do	175.00
	P. A. Rogers	do	175.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 30	W. J. Northen	Services	\$150.00
	R. H. Thomas	do	150.00
	E. E. Kaufman	do	150.00
	W. F. T. Bushnell	do	150.00
	Chas. H. Morse	do	150.00
	Jas. H. Lane	do	137.50
	S. S. Shepard	do	125.00
	W. A. Sherman	do	125.00
	A. V. R. Snyder	do	125.00
	W. A. Withers	do	125.00
	T. H. Reeves	do	125.00
	J. J. Corley	do	125.00
	D. B. Russell	do	112.50
	J. A. Hayden	do	112.50
	F. E. Carstarphen	do	112.50
	Wm. Nelson	do	100.00
	R. H. Troy	Salary	75.00
	C. L. Gold	Services	75.00
	Edwd. Wiggins	do	75.00
	H. W. Vail	do	75.00
	J. A. Tillinghast	do	75.00
	E. D. Howes	do	75.00
	Jno. J. Rosa	do	75.00
	Jno. T. Cox	do	75.00
	E. C. Hutchinson	do	75.00
	E. F. Scherbel	do	99.50
	H. W. Desgranges	do	99.50
	S. A. Knapp	do	92.60
	A. M. Mayo	do	44.90
	Harry T. Newcomb et al	Salaries	4,890.12
	Total first quarter		21,257.79
Oct. 3	H. M. Simrall	Services	137.50
	The White, Corbin & Co.	Envelopes	136.41
4	E. T. Peters	Salary	66.50
7	Jno. N. Cantwell	Services	20.00
	W. H. Pleasants	do	20.00
	L. M. Erskine	do	50.00
12	J. A. Beal	do	75.00
	G. W. Perry	do	112.50
14	Henry Hawkins	Salary	20.00
	L. C. Dorgan, jr	do	25.00
20	Library Bureau	Index cards	56.00
	do	do	19.80
22	Jno. C. Parker	Letter paper	247.50
	Jno. C. Parker	Stencil paper	7.50
29	W. O. H. Shepard	Salary	20.00
	Earle Sloan	do	25.00
31	H. T. Newcomb et al	Salaries	4,962.05
Nov. 1	E. T. Peters	Salary	157.50
2	Library Bureau	Tray	4.50
4	R. H. Troy	Salary	75.00
8	L. M. Erskine	do	50.00
9	J. L. Cantwell	do	20.00
	L. C. Dorgan, jr	do	25.00
	W. O. H. Shepard	do	20.00
	W. H. Pleasants	do	20.00
14	Henry Hawkins	do	20.00
16	The Office and Library Co.	Inks, etc	10.90
	Fred. A. Schmidt	Paper	6.30
30	Library Bureau	Klips	5.00
	H. T. Newcomb et al	Salaries	4,837.58
Dec. 2	J. R. Buckelew	Typewriter and tabulator	117.00
	Easton & Rupp	Paper	5.28
	E. T. Peters	Salary	129.50
3	Jno. Hyde	Traveling expenses	2.50
6	R. H. Troy	Salary	75.00
	W. H. Pleasants	do	20.00
	Jno. L. Cantwell	do	20.00
	A. G. Rice	Traveling expenses	30.85
8	Baltimore and Ohio R. R. Co.	Passenger transportation	10.50
9	Earle Sloan	Salary	50.00
	W. O. H. Shepard	do	20.00
	Henry Hawkins	do	20.00
	L. M. Erskine	do	50.00
15	Library Bureau	Guides	25.00
22	W. C. Duncan	Services	250.00
31	H. H. Green	do	200.00
	Kilbourn Harwood	do	200.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Dec. 31	Geo. Husmann	Services	\$200.00
	Jno. Cownie	do	200.00
	W. W. Miller	do	175.00
	H. O. Garvey	do	175.00
	P. A. Rogers	do	175.00
	Levi Chubback	do	175.00
	F. E. Dawley	do	175.00
	R. W. Furnas	do	175.00
	W. F. T. Bushnell	do	150.00
	E. E. Kaufman	do	150.00
	E. F. Scherbel	do	150.00
	W. J. Northen	do	150.00
	C. H. Morse	do	150.00
	R. H. Thomas	do	150.00
	J. H. Lane	do	137.50
	A. M. Mayo	do	137.50
	H. M. Simrall	do	137.50
	A. V. R. Snyder	do	125.00
	Thos. H. Reeves	do	125.00
	W. A. Withers	do	125.00
	S. S. Snepard	do	125.00
	W. A. Sherman	do	125.00
	J. J. Corley	do	125.00
	Wm. Nelson	do	100.00
	F. E. Carstarphen	do	112.50
	D. B. Russell	do	112.50
	J. A. Hayden	do	112.50
	Geo. W. Perry	do	112.50
	H. W. Desgranges	do	82.90
	Chas. L. Gold	do	75.00
	Edward Wiggins	do	75.00
	Jos. A. Beal	do	75.00
	J. A. Tillinghast	do	75.00
	H. W. Vall	do	75.00
	E. D. Howe	do	75.00
	E. C. Hutchinson	do	75.00
	J. J. Rosa	do	75.00
	Jno. T. Cox	do	75.00
	E. T. Peters	Salary	164.50
	H. T. Newcomb et al	Salaries	4,870.09
	Total second quarter		22,333.16
1899.			
Jan. 3	The Smith Premier Typewriter Co	Typewriters	189.00
	Springfield Envelope Co	Envelopes	46.00
	do	do	42.00
4	R. H. Troy	Salary	75.00
11	R. C. Dorgan, jr	do	50.00
12	Amelia Lewis	do	35.33
	Jno. L. Cantwell	do	20.00
	L. M. Erskine	do	50.00
	W. H. Pleasants	do	20.00
	W. O. H. Shepard	do	20.00
14	E. T. Peters	do	73.50
16	Geo. K. Holmes	Traveling expenses	14.97
19	Henry Hawkins	Salary	20.00
21	Jno. Hyde	Traveling expenses	65.50
24	The White, Corbin & Co	Envelopes	105.53
	Library Bureau	Cards	112.00
30	Chesapeake and Ohio Rwy. Co	Passenger transportation	27.50
	New York, New Haven and Hartford R. R. Co.	do	3.50
31	H. T. Newcomb et al	Salaries	4,703.10
Feb. 1	The Randolph Paper Box Co	Boxes	6.84
	Jno. C. Parker	Typewriter paper	49.50
	do	Paper, etc.	15.00
	Robt. H. Troy	Salary	75.00
2	E. T. Peters	do	84.00
3	United States Express Co	Transportation	1.90
6	Jno. L. Cantwell	Salary	20.00
	W. H. Pleasants	do	20.00
	L. M. Erskine	do	50.00
	Earle Sloan	do	50.00
8	L. C. Dorgan, jr	do	25.00
	The White, Corbin & Co	Envelopes	184.00
10	Easton & Rupp	Copy book and pads	7.50
	Henry Hawkins	Salary	20.00
16	W. O. H. Shepard	do	20.00
28	Louisville and Nashville R. R. Co	Passenger transportation	27.50
	H. T. Newcomb et al	Salaries	4,339.60

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 2	E. T. Peters	Salary	\$140.00
	R. H. Troy	do	25.00
4	L. C. Dorgan, jr.	do	25.00
	W. H. Pleasants	do	20.00
	L. M. Erskine	do	50.00
8	J. L. Cantwell	do	20.00
9	W. O. H. Shepard	do	20.00
13	R. H. Lea	do	225.00
15	Henry Hawkins	do	20.00
17	The White, Corbin & Co.	Envelopes	145.36
	do	do	135.87
	Library Bureau	Cards	13.75
	F. P. Bennett	Subscription, Shepherds' Bulletin.	1.00
22	Library Bureau	Cards	19.80
25	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	Passenger transportation	11.05
31	Washington C. Duncan	Services	250.00
	Jno. Cownie	do	200.00
	Kilbourn Harwood	do	200.00
	H. H. Green	do	200.00
	H. O. Garvey	do	175.00
	Levi Chubbuck	do	175.00
	P. A. Rogers	do	175.00
	R. W. Furnas	do	175.00
	W. W. Miller	do	175.00
	F. E. Dawley	do	175.00
	W. J. Northen	do	150.00
	R. H. Thomas	do	150.00
	E. F. Scherbel	do	150.00
	C. H. Morse	do	150.00
	E. E. Kaufman	do	150.00
	W. F. T. Bushnell	do	150.00
	Jas. H. Lane	do	137.50
	A. M. Mayo	do	137.50
	H. M. Simrall	do	125.00
	W. A. Withers	do	125.00
	S. S. Shepard	do	125.00
	W. A. Sierman	do	125.00
	A. V. R. Snyder	do	125.00
	Thos. H. Reeves	do	125.00
	J. J. Corley	do	125.00
	F. E. Carstarphen	do	112.50
	D. B. Russell	do	112.50
	Geo. W. Perry	do	112.50
	Jas. A. Hayden	do	112.50
	Wm. Nelson	do	100.00
	E. D. Howe	do	75.00
	Jno. T. Cox	do	75.00
	Jno. J. Rosa	do	75.00
	C. L. Gold	do	75.00
	H. W. Vail	do	75.00
	J. A. Tillinghast	do	75.00
	E. C. Hutchinson	do	75.00
	J. A. Beal	do	75.00
	E. W. Wiggin	do	75.00
	R. H. Troy	Salary	25.00
	Harry T. Newcomb et al.	Salaries	4,994.87
	Total third quarter		21,747.97
Apr. 1	E. T. Peters	Salary	108.50
7	Harry Hawkins	do	20.00
	W. H. Pleasants	do	20.00
	J. L. Cantwell	do	20.00
	L. M. Erskine	do	50.00
	R. H. Lea	do	50.00
	Geo. Husmann	do	200.00
	H. W. Desgranges	do	125.00
11	The White, Corbin & Co.	Envelopes	154.25
	do	do	151.43
	do	do	62.42
	do	do	59.45
12	W. O. H. Shepard	Salary	20.00
	Earle Sloan	do	50.00
25	Baltimore and Ohio R. R. Co.	Passenger transportation	34.50
27	E. Morrison Paper Co.	Rubber bands	25.08
29	The White, Corbin & Co.	Envelopes	348.40
	H. T. Newcomb et al.	Salaries	5,147.33
May 1	C. E. Stanton	Typewriter	75.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 1	E. T. Peters	Salary	\$147.00
2	W. H. Pleasants	do	20.00
	L. M. Erskine	do	50.00
3	Robt. H. Troy	do	25.00
4	Wyckoff, Seamans & Benedict	Tabulator	18.00
8	J. L. Cantwell	Salary	20.00
9	W. O. H. Shepard	do	20.00
	Earle Sloan	do	25.00
17	Library Bureau	Tin trays	9.00
	do	Klips	5.00
	Walter Maxwell	Report on Hawaiian Islands	150.00
22	Richard H. Lea	Salary	50.00
	Henry Hawkins	do	20.00
23	John C. Parker	Stationery supplies	419.69
29	Lyman C. Dorgan, jr	Salary, March, 1899	25.00
	do	Salary, April, 1899	25.00
31	Harry T. Newcomb et al.	Salaries	5,453.60
June 1	Eugene M. Tilden	Ink pads	97.50
2	The White, Corbin & Co.	Envelopes	142.80
	E. T. Peters	Salary	122.50
6	Robt. H. Troy	do	25.00
8	Richard H. Lea	do	50.00
	L. M. Erskine	do	50.00
	Earle Sloan	do	25.00
	W. H. Pleasants	do	20.00
	Henry Hawkins	do	20.00
	Jno. L. Cantwell	do	20.00
13	E. A. Hitchcock	Maps	77.14
	The R. H. Smith Manufacturing Co.	Molding	17.00
	Wool and Cotton Reporter	Subscription	3.00
14	Lyman C. Dorgan	Salary	25.00
16	W. O. H. Shepard	do	20.00
20	Southern Rwy. Co.	Passenger transportation	27.50
21	The White, Corbin & Co.	Envelopes	158.00
22	Rand, McNally & Co.	Maps	110.15
	The Springfield Envelope Co.	Envelopes	139.20
24	Adams Express Co.	Transportation	.50
	James Morison	Traveling expenses	21.75
27	Pullman Palace Car Co.	Passenger transportation	6.50
30	W. C. Duncan	Services	250.00
	H. H. Green	do	200.00
	John Cownie	do	200.00
	Kilbourn Harwood	do	200.00
	Geo. Husmann	do	200.00
	F. E. Dowley	do	175.00
	W. W. Miller	do	175.00
	H. O. Garvey	do	175.00
	Levi Chubbuck	do	175.00
	Robt. W. Furnas	do	175.00
	P. A. Rogers	do	175.00
	E. E. Kaufman	do	150.00
	W. F. T. Bushnell	do	150.00
	E. F. Scherbel	do	150.00
	W. J. Northen	do	150.00
	C. H. Morse	do	150.00
	R. H. Thomas	do	150.00
	S. A. Knapp	do	137.50
	Jas. H. Lane	do	137.50
	H. F. Simrall	do	137.50
	W. A. Withers	do	125.00
	Thos. H. Reeves	do	125.00
	Wells A. Sherman	do	125.00
	H. W. Desgranges	do	125.00
	S. S. Shepard	do	125.00
	J. J. Corley	do	125.00
	A. V. R. Snyder	do	125.00
	F. E. Carstarphen	do	112.50
	D. B. Russell	do	112.50
	Geo. W. Perry	do	112.50
	J. A. Hayden	do	112.50
	Wm. Nelson	do	100.00
	H. W. Vail	do	75.00
	Jno. T. Cox	do	75.00
	Edward Wiggin	do	75.00
	John J. Rosa	do	75.00
	Chas. L. Gold	do	75.00
	E. C. Hutchinson	do	75.00
	E. D. Howe	do	75.00
	J. A. Tillinghast	do	75.00

26 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
June 30	Robt. H. Troy	Salary	\$25.00
	Harry T. Newcomb et al.	Salaries	5,304.99
	Total fourth quarter		25,149.68
	<i>Supplemental.</i>		
1899.			
July 1	The White, Corbin & Co.	Envelopes	200.50
3	E. T. Peters	Salary	150.50
8	Jno. L. Cantwell	do	20.00
	L. M. Erskine	do	50.00
	Henry Hawkins	do	20.00
	L. C. Dorgan, jr	do	25.00
	Earle Sloan	do	25.00
12	United States Express Co.	Transportation .....	.25
18	W. O. H. Shepard	Salary	20.00
	W. H. Pleasants	do	20.00
	Jos. A. Beal	do	75.00
21	The White, Corbin & Co.	Envelopes	402.06
	The Railway Age and Northwestern Rail- roader	Subscription	4.00
25	California Fruit Grower	do	1.50
28	Richd. H. Lea	Salary	50.00
Aug. 3	Pennsylvania B. R. Co.	Passenger transportation	27.50
10	Willett & Gray	Subscription to weekly papers	15.00
16	Adams Express Co.	Transportation .....	.25
Sept. 1	Jas. L. Watkins	Traveling expenses	24.65
	Blue Line Transfer Co.	Maps	1.65
5	New York Commercial Publishing Co.	Subscription	5.00
	Journal of Commerce and Commercial Bulletin	do	6.00
18	National Railway Publishing Co.	Official Guide	1.25
20	United States Express Co.	Transportation	3.55
21	The White, Corbin & Co.	Envelopes	674.95
Oct. 7	Fred. A. Schmidt	Arithmometer	400.00
	J. E. Beerbohm	Corn Trade List, one year	29.20
12	The White, Corbin & Co.	Envelopes	131.14
	do	do	79.50
18	The Geo. W. Knox Express Co.	Transportation .....	.44
Nov. 6	Pullman Palace Car Co	Passenger transportation	6.50
	Total		2,470.39

RECAPITULATION.

First quarter	\$21,257.79
Second quarter	22,393.16
Third quarter	21,747.97
Fourth quarter	25,149.68
Supplemental	2,470.39
Total	92,958.99

INVESTIGATING FOREIGN DEMANDS FOR UNITED STATES AGRICULTURAL PRODUCTS.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	F. H. Hitchcock et al.	Salaries	\$818.81
Aug. 31	do	do	789.40
Sept. 30	do	do	650.17
	Total first quarter		2,258.38
Oct. 31	F. H. Hitchcock et al.	Salaries	556.60
Nov. 30	do	do	581.80
Dec. 7	F. H. Hitchcock	Traveling expenses	10.50
31	F. H. Hitchcock et al.	Salaries	606.60
	Total second quarter		1,755.50
1899.			
Jan. 31	F. H. Hitchcock et al.	Salaries	612.20
Feb. 28	do	do	523.80

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

INVESTIGATING FOREIGN DEMANDS FOR UNITED STATES AGRICULTURAL PRODUCTS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 11	F. H. Hitchcock	Traveling expenses	\$18.50
31	F. H. Hitchcock et al.	Salaries	598.66
	Total third quarter		1,753.16
Apr. 29	F. H. Hitchcock et al.	Salaries	570.20
May 31	do	do	635.97
June 27	Pennsylvania R. R. Co.	Passenger transportation	10.00
30	do	do	6.50
	F. H. Hitchcock	Salaries	759.60
	Total fourth quarter		1,982.27
	<i>Supplemental.</i>		
Sept. 20	Frank H. Hitchcock	Traveling expenses	119.91
Oct. 12	The White, Corbin & Co.	Envelopes	37.60
	Total		157.51

RECAPITULATION.

First quarter	\$2,258.38
Second quarter	1,755.50
Third quarter	1,753.16
Fourth quarter	1,982.27
Supplemental	157.51
Total	7,906.82

BOTANICAL INVESTIGATIONS AND EXPERIMENTS.

Date.	Name.	Nature of payment.	Total.
1898.			
July 18	E. Morrison Paper Co	Binder's board	\$3.75
21	E. J. Pullman	Kodak, etc	46.00
23	C. Becker	Straps	6.00
30	Chas. H. Coe	Roots of koonti plant	1.50
Aug. 2	L. H. Dewey et al.	Salaries	939.40
5	E. I. Applegate	Salary	125.00
9	Thos. H. Kearney, jr.	do	117.90
10	Ernest Betz	Tin boxes	7.60
16	The Kny Scheerer Co	Forceps	1.30
	Geo. Lawrence	Pack saddles, etc	15.00
	Library Bureau	Index cards	15.00
	Eimer & Amend	Weight .....	.30
	H. F. Michell	Half gallon weed killer .....	.75
19	Z. D. Gilman	Bisulphide	3.50
	Rudolph, West & Co	Screw eyes, etc .....	.58
20	P. Mann & Co	Fertilizer	4.50
25	E. J. Pullman	Films	10.80
	Conrad Becker	Straps	1.20
	T. H. Kearney, jr.	Traveling expenses	108.35
	Fredk. V. Coville	do	107.15
	do	Expenses	14.80
	Henry H. Brown	Developing powders .....	.50
27	E. J. Pullman	Camera	21.05
	do	Plates, etc	3.40
31	L. H. Dewey et al.	Salaries	1,175.20
Sept. 2	E. I. Applegate	Salary	125.00
7	The Randolph Paper Box Co	Boxes	40.00
10	Will. W. Tracy, jr.	Freight charges and labor	7.45
13	The Randolph Paper Box Co	Boxes	8.40
	Cambridge Botanical Supply Co	Driers	4.25
	Wm. Krafft	Lens	4.25
15	L. H. Dewey	Traveling expenses	24.85
	Thos. Burch & Co	Tubes and corks	19.74
19	G. H. Hicks	Traveling expenses	3.25
23	Adams Express Co	Transportation	2.10
27	M. G. Kains	Traveling expenses	25.97
	do	do	13.20
30	L. H. Dewey et al.	Salaries	1,084.19
	Total first quarter		4,093.18

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 1	Z. D. Gilman	Tubes and corks	\$51.30
	E. J. Pullman	Photo supplies	10.52
	Mackall Bros	Hyposulphate .....	.24
3	H. N. Paterson	Cards	20.48
	F. V. Coville	Traveling expenses	199.75
4	.....do .....	.....do	137.15
5	E. I. Applegate	Salary	125.00
	Southern Rwy. Co.	Passenger transportation	17.50
24	New York, New Haven and Hartford R. R. Co. ....	.....do	3.50
	Baltimore and Ohio R. R. Co. ....	.....do	17.00
25	The Randolph Paper Box Co	Boxes	21.00
29	V. K. Chesnut	Traveling expenses	16.30
31	L. H. Dewey et al	Salaries	1,198.30
Nov. 1	Geo. P. Killian Co	Boxes	12.30
3	E. I. Applegate	Salary	125.00
	H. Lindenmeyr & Son	Paper	7.15
	Mackall Bros	Formalin	2.90
10	Thos. H. Kearney, jr	Traveling expenses	72.30
	Sothoron Key .....	.....do	10.55
	.....do	Expenses .....	.90
16	E. J. Pullman	Films	5.40
	.....do .....	.....do	2.40
	Church & Stephenson	Lath .....	.50
	Rudolph, West & Co	Nails, etc	2.41
	Jas. B. Lambie	Saw	1.25
	T. R. Mitchell	Labels	4.00
	.....do .....	.....do .....	.46
	Will W. Tracy, jr	Expenses	12.75
21	E. S. Curtis	Kodak	12.30
30	Library Bureau	Index cards	14.40
	.....do	Cards	3.00
Dec. 1	L. H. Dewey et al	Salaries	1,245.00
	Thos. H. Kearney, jr	Traveling expenses	39.95
2	E. Morrison Paper Co	Binders' board	3.75
	H. H. Brown	Photo supplies .....	.51
	.....do .....	.....do .....	.31
	Fredk. Carl	Seed sampler	5.00
	E. S. Schmid	Labels	1.50
	Rudolph, West & Co	Scuttles, etc	1.40
	Church & Stephenson	Lumber	17.30
3	D. I. Bushnell	Grain sampler	15.00
	E. J. Hannan	Plumbing	469.00
5	L. S. Starrett Co	Steel rule .....	.85
8	Oregon Railroad and Navigation Co	Passenger transportation	8.54
	Astoria and Columbia River R. R. Co. ....	.....do	2.00
	Southern Pacific Co .....	.....do	4.96
	Baltimore and Ohio R. R. Co. ....	.....do	10.50
	.....do .....	.....do	10.00
10	Washington Gas Light Co	Gas stoves	18.65
14	Southern Rwy. Co.	Passenger transportation	17.50
	E. Morrison Paper Co	Strawboard	3.75
	Welsbach Light Co.	Mantle and chimney	1.10
19	Chicago, Milwaukee and St. Paul Rwy. Co.	Passenger transportation	11.50
	Northern Pacific Rwy. Co .....	.....do	6.25
21	Edw. S. Schmid	Iron pan .....	.50
	Church & Stephenson	Lumber	3.74
22	Library Bureau	Cards	3.00
23	Wm. Krafft	Lens	4.25
	J. T. Walker Sons	Laboratory supplies	8.55
27	E. I. Applegate	Salary	125.00
31	L. H. Dewey et al	Salaries	1,309.11
	Total second quarter		5,456.48
1899.			
Jan. 3	Mackall Bros	Laboratory supplies	4.38
	E. Morrison Paper Co	Binders' boards	5.00
4	United States Express Co	Transportation	5.35
	The Geo. W. Knox Express Co .....	.....do	2.26
	E. J. Pullman	Photo supplies	9.40
5	Thos. W. Riley	Manure	62.00
6	Southern Pacific Co	Passenger transportation	27.37
	The Oregon Railroad and Navigation Co .....	.....do	6.44
9	Elmer I. Applegate	Salary	125.00
10	Ernest Betz	Making boxes	7.60
12	Z. D. Gilman	Forceps and lime	2.44
	Jas. B. Lambie	Showels and stoppers .....	.96
	.....do	AX .....	.60

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 12	The Geo. W. Knox Express Co.	Transportation.	\$1.22
16	T. R. Mitchell.	Label	.73
19	The American Jadoo Co	Fiber	4.00
	Eimer & Amend	Weights, etc	14.04
	Wallace Bros	Photos	4.70
20	James B. Lambie	Pliers	1.79
	Alexander Schmid	File jackets	6.60
	Woodward & Lothrop	Soap dishes	1.75
	Herman Baumgarten	Die	1.00
	S. S. Shedd & Bro.	Brackets, etc	4.30
30	Oregon Short Line R. R. Co.	Passenger transportation	13.00
31	A. J. Pieters et al	Salaries	1,412.60
Feb. 3	Will W. Tracy, jr	Expenses	21.50
6	E. I. Applegate	Salary	125.00
7	E. J. Pullman	Films	4.50
	do	Photo supplies	4.70
10	Lansburgh & Bros.	Cotton, etc	1.23
28	Chicago and Alton R. R. Co.	Passenger transportation	7.50
	A. J. Pieters et al.	Salaries	1,284.80
Mar. 2	E. I. Applegate	Salary	125.00
3	Corcoran, Witt & Co	Corn sampler.	9.73
4	N. M. Brown	Mexican plants.	25.00
7	The Kny Sheerer Co	Glass tubing	2.50
9	Fredk. Carl.	Seed sampler	15.00
	C. R. Edmonston	Jars.	2.20
	Ernest Betz	Putting up speaking tube	15.00
	do	Tin boxes	7.60
	C. C. Van Horn	Welsbach light.	4.35
	Z. D. Gilman	Rubber stoppers	4.98
14	Robt. Gair	Seeds, bags	5.75
20	J. M. Thorburn & Co	Seeds	1.35
21	A. J. Pieters	do	5.20
22	United States Express Co	Transportation.	11.85
24	Welsbach Light Co	Mantles	1.00
	Thos. Burch & Co	Tubes	19.74
25	Baltimore and Ohio Southwestern Rwy. Co	Passenger transportation	20.25
	M. A. Griswold	Covering umbrella.	2.00
	W. H. Butler	Glass	15.20
29	E. J. Pullman	Photographic supplies.	1.97
	do	do	1.74
31	A. J. Pieters et al	Salaries.	1,382.06
	Total third quarter		4,853.23
Apr. 1	Ernest Betz.	Repairing tin boxes	7.00
	F. W. Balgiano.	Hoe and soda	3.88
6	A. J. Pieters	Expenses	5.95
12	Mackall Bros	Soda	.34
14	E. Frank Coe Co.	Fertilizer	13.00
15	Edw. S. Schmid	Watering pot.	5.00
18	Rudolph, West & Co.	Rakes and trowels	1.00
27	H. H. Brown	Films	1.20
	Melville Lindsay	Hose	2.40
	Edw. S. Schmid	Iron pan	1.00
28	Will W. Tracy, jr	Expenses	54.51
	do	do	8.14
	Jas. B. Lambie	Hoe and hatchet	.63
	Fred. A. Schmidt	Blocks, etc	8.73
29	D. M. Ferry & Co	Seeds	2.25
	Bausch & Lomb Optical Co	Kodaks repaired	6.75
May 1	A. J. Pieters et al	Salaries.	685.00
5	A. J. Pieters	Expenses	12.47
9	Maurice G. Kains	Article on bulbs	700.00
12	F. A. Walpole.	Salary	98.90
	do	Traveling expenses	44.75
16	F. V. Coville	do	17.70
	A. J. Pieters	do	7.10
17	Wm. W. Tracy, jr	Labor on grounds	23.38
	Robert Gair	Seed bags	8.86
31	A. J. Pieters et al	Salaries	713.60
June 1	L. M. Goodrick	Sand	1.50
	E. S. Schmid	Nicotine	1.50
	E. J. Pullman	Photo supplies	10.64
	Fredk. Carl	Repairs to samplers.	7.00
	Henry H. Brown	Film	3.60
2	A. O. Carpenter	Photos	3.50
	Southern Rwy. Co	Passenger transportation.	80.25
	Corvallis and Eastern R. R. Co	Transportation.	.25
3	Fredk. V. Coville	Traveling expenses	15.55

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
June 3	A. J. Pieters	Seeds	\$2.59
8	F. A. Walpole	Salary	102.20
13	W. S. Jenks	Wire frames	9.00
	Ernest Betz	Cans	1.75
	do	do	1.75
	C. Becker	Straps	17.00
	Chas. R. Edmonston	Baskets	2.20
	Jno. C. Parker	Letter press	6.75
	Church & Stephenson	Lumber	14.40
21	J. F. Williams	Books	3.00
24	Fred. A. Schmidt	Steel tapes	2.10
	Mackall Bros	Soda, etc.	.45
	Edward L. Greene	Books	1.50
	F. P. May & Co.	Screens	4.80
	Adams Express	Transportation	4.50
	do	do	2.93
	do	do	.35
29	Will W. Tracy, jr.	Expenses	51.09
	Colin Anderson	Acorn meal and bread	.75
	A. J. Pieters	Expenses	7.51
30	A. J. Pieters et al	Salaries	791.10
	Total fourth quarter		3,585.05
	<i>Supplemental.</i>		
July 1	A. B. Seymour	Picks and trowels	3.00
6	Church & Stephenson	Lumber	10.53
	do	do	5.38
11	Fred. A. Schmidt	Pencils	.94
12	T. R. Mitchell	Labels	8.75
18	United States Express Co	Transportation	8.30
18	A. J. Pieters	Expenses	16.29
	E. J. Pullman	Plates	6.30
19	F. P. May & Co.	Twine	1.50
21	Woodward & Lothrop	Mosquito netting	.96
28	F. A. Walpole	Traveling expenses	22.25
Aug. 3	Baltimore and Ohio R. R. Co.	Trip ticket	7.00
5	Frank H. Knight	Labor and material	840.00
8	E. H. Sargent & Co	Lens	53.63
	Will W. Tracy, jr.	Expenses	50.99
10	M. Wiegand & Co.	Screens	25.20
16	Adams Express Co	Transportation	.70
	do	do	1.05
	do	do	1.70
21	Church & Stephenson	Lumber	159.63
Sept. 5	Mackall Bros	Acid	1.62
6	The Oregon Railroad and Navigation Co.	Passenger transportation	1.85
	Southern Pacific Co.	do	13.68
16	Ed J. Hannan	Repairs in laboratory	12.41
19	Southern Pacific Co.	Passenger transportation	3.14
	do	do	3.14
Oct. 18	Adams Express Co	Transportation	.50
	do	do	1.90
	F. V. Coville	Traveling expenses	48.20
28	Washington Gas Light Co	Gas	4.50
	do	do	7.20
	do	do	4.00
	do	do	1.00
	do	do	.90
	Total		1,328.14

RECAPITULATION.

First quarter	\$4,093.18
Second quarter	5,456.48
Third quarter	4,853.23
Fourth quarter	3,585.05
Supplemental	1,328.14
Total	19,316.08

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BOTANICAL, RENT OF BUILDINGS.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 13	Jane E. Howlett.....	Rent of laboratory, November and December, 1898.	\$120.00
Apr. 15	.....do.....	Rent of laboratory, Jan. 1 to Mar. 31, 1899.	180.00
	<i>Supplemental.</i>		
July 11	Jane E. Howlett.....	Rent of laboratory, Apr. 1 to June 30, 1899.	180.00
	Total.....		480.00

ENTOMOLOGICAL INVESTIGATIONS.

1898.			
July 23	B. F. T. Bell.....	Rings, etc.....	\$3.25
	F. C. Pratt.....	Traveling expenses.....	10.80
25	The Maurice Joyce Engraving Co.....	Electrotype.....	.26
30	E. A. Schwarz et al.....	Salaries.....	1,221.60
Aug. 2	L. O. Howard.....	Traveling expenses.....	23.95
10	Wm. B. Todd, collector.....	Custom-house charges.....	.75
11	L. O. Howard.....	Traveling expenses.....	21.00
16	Adler Color and Chemical Works.....	Green arsenite.....	3.00
	Whitall, Tatum & Co.....	Vials.....	5.25
18	R. P. Clarke.....	10 yards Swiss.....	2.50
19	Z. D. Gilman.....	Rubber stoppers.....	16.24
	F. A. Schmidt.....	Pens.....	6.48
	Mackall Bros.....	Chemicals.....	2.13
	W. D. Hunter.....	Salary.....	75.00
23	The Maurice Joyce Engraving Co.....	Electros.....	1.31
24	Jno. Schmitt.....	Insect boxes.....	52.50
	Bausch & Lomb Optical Co.....	Safranin, etc.....	2.18
25	Thos. Somerville & Sons.....	Base and valve for pump.....	34.50
	E. J. Pullman.....	Photo supplies.....	4.50
27	.....do.....	.....do.....	1.35
	J. C. Metzger & Co.....	Freight charges, etc.....	5.50
31	E. A. Schwarz et al.....	Salaries.....	1,305.80
Sept. 2	R. P. Clarke.....	Swiss.....	12.00
	Walter D. Hunter.....	Salary.....	33.87
	.....do.....	Traveling expenses.....	130.45
6	L. O. Howard.....	.....do.....	21.29
7	G. R. Pilate.....	Collection of insects.....	15.00
13	Harry C. Jones.....	Engravings.....	20.99
	.....do.....	.....do.....	7.27
15	F. A. Schmidt.....	Dividers.....	4.95
17	Oregon Short Line R. R. Co.....	Passenger transportation.....	35.30
	.....do.....	.....do.....	12.80
20	E. L. Wilson & Co.....	Repairing pump.....	9.00
	Fred. A. Schmidt.....	Tweezers.....	4.50
22	Antonio Berlese.....	Collection "mites".....	43.62
23	Oregon Railroad and Navigation Co.....	Passenger transportation.....	16.69
	Northern Pacific Rwy Co.....	.....do.....	.80
	Rio Grande and Western Rwy Co.....	.....do.....	13.00
	Adams Express Co.....	Transportation.....	10.75
28	Peter Fireman.....	Translating.....	16.00
30	E. A. Schwarz et al.....	Salaries.....	1,252.65
	Total first quarter.....		4,460.78
Oct. 1	Rudolph, West & Co.....	Towels, etc.....	3.61
	E. J. Pullman.....	Photo supplies.....	1.90
	The Maurice Joyce Engraving Co.....	Electrotypes.....	1.69
3	R. Shorrock.....	Photos on wood.....	1.50
	C. L. Marlatt.....	Traveling expenses.....	160.96
6	R. Shorrock.....	Photos.....	2.25
	The Globe Co.....	Indexes.....	1.44
	Z. D. Gilman.....	Sulphuric acid.....	5.32
	W. G. Johnson.....	Basket fruit.....	1.50
14	United States Express Co.....	Transportation.....	1.25
18	H. C. Jones.....	Engraving.....	17.50
19	L. O. Howard.....	Traveling expenses.....	69.18
20	J. A. Strickler.....	Services.....	5.00
22	C. H. T. Townsend.....	Salary.....	48.39
	Geo. F. Muth & Co.....	Torch.....	3.50
24	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.....	Passenger transportation.....	11.05
26	F. H. Chittenden.....	Traveling expenses.....	19.17

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

ENTOMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 31	E. A. Schwarz et al	Salaries	\$1,304.30
Nov. 3	Lawrence Bruner	Collecting insects	25.00
	H. C. Jones	Engraving	4.38
	do	do	7.88
	do	do	3.50
7	L. O. Howard	Traveling expenses	30.25
8	C. H. T. Townsend	do	44.10
9	E. R. Taylor	Chemicals	4.50
16	E. J. Pullman	Photo supplies	3.75
	The Maurice Joyce Engraving Co	Electro	.30
	Z. D. Gilman	Insecticide	10.00
30	Bausch & Lomb Optical Co.	Objectives	99.95
	do	Diamond, etc	3.68
	do	Labels	1.56
	Library Bureau	Cards	23.00
	do	do	14.40
	E. A. Schwarz et al	Salaries	1,289.15
Dec. 1	F. C. Pratt	Traveling expenses	19.08
2	F. J. Keleher	Hemming towels	1.00
	R. P. Clarke	Toweling	5.75
	H. H. Brown	Lamps, table, slides, etc	22.05
	do	Forceps	1.50
5	A. L. Quaintance	Set of insects	1.50
	Eimer & Amend	Dishes	2.80
	H. C. Jones	Engraving	17.50
	do	do	1.75
	do	do	1.75
6	L. O. Howard	Expenses	5.25
8	Queen & Co., Incorporated	Slide boxes	45.00
	Jno. Schmitt	Boxes	52.50
	The Maurice Joyce Engraving Co	Engraving	.75
	do	Electro	.19
	Rudolph, West & Co	Screw-driver	.29
10	Mackall Bros	Ammonia	.80
14	Geo. F. Muth & Co.	Wire	2.00
	W. C. Newton & Co	Electros	1.25
19	Gulf. Western Texas and Pacific Rwy. Co.	Passenger transportation	5.30
	E. J. Oslar	Specimens	3.00
21	Emil Greiner	Forceps	4.05
22	R. Shorrock	Photos	3.40
	do	do	2.57
	do	do	1.00
	H. C. Jones	Engraving	5.74
	do	do	1.75
	do	Drawings	8.75
	do	Engravings	8.75
	do	do	1.75
	do	do	1.75
23	V. Grottenthaler Co.	Repairing block of insects	1.07
	W. C. Newton & Co	Electro	.50
31	E. A. Schwarz et al	Salaries	1,316.80
	Total second quarter		4,773.80
1899			
Jan. 3	C. H. T. Townsend	Salary	100.00
	do	Traveling expenses	71.70
	The Randolph Paper Box Co	Pamphlet cases	25.00
4	E. J. Pullman	Photo supplies	.95
	Bausch & Lomb Optical Co.	Labels	1.56
	H. C. Jones	Engraving	12.57
	W. C. Newton & Co	Electros	2.95
	H. H. Brown	Films	3.60
6	L. O. Howard	Traveling expenses	14.80
7	Norfolk and Washington Steamboat Co	Passenger transportation	3.00
12	The Geo. W. Knox Express Co.	Transportation	.50
16	Geo. F. Muth & Co.	Varnish	.56
	Rudolph, West & Co	Lantern and compass	2.00
19	R. C. M. Burton	Fumigating tents	45.94
20	Jas. B. Lambie	Oil and hammer	.65
24	F. L. Harvey	Specimens	6.50
28	Adams Express Co.	Transportation	7.70
	do	do	4.25
30	Houston and Texas Central R. R. Co	Passenger transportation	8.40
	The Heliotype Printing Co	Printing violets	55.00
31	E. A. Schwarz et al	Salaries	1,345.10
Feb. 1	Bausch & Lomb Optical Co.	Steel measures	
	Whitall, Tatum & Co.	Vials	4.94
	H. C. Jones	Engraving	18.18
	W. H. Butler	Glass	.77

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

ENTOMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 6	Carl Zeiss.....	Postage on objective.....	\$0.75
16	R. Shorrock.....	Photos.....	1.60
23	Jno. Schmitt.....	Boxes.....	52.50
24	Harry C. Jones.....	Engravings.....	1.75
25	E. J. Pullman.....	Slides.....	7.50
	W. C. Newton & Co.....	Wood cut.....	.25
28	Galveston, Harrisburg and San Antonio Rwy. Co.....	Passenger transportation.....	37.40
	Atchison, Topeka and Santa Fé Rwy. Co.....	do.....	1.60
	E. A. Schwarz et al.....	Salaries.....	1,219.80
Mar. 1	Hensel, Bruckmann & Lorbacher.....	Custom-house charges.....	1.25
	Atchison, Topeka and Santa Fé Rwy. Co.....	Passenger transportation.....	1.60
	International and Great Northern R. R. Co.....	do.....	2.45
2	G. C. Watson.....	Fumigator.....	2.15
	Whitall, Tatum & Co.....	Battery jars.....	12.68
3	O. Standing and A. Bang-Haas.....	Collection insects.....	2.70
	W. C. Newton & Co.....	Election.....	10.60
7	Harry C. Jones.....	Engraving.....	3.76
	Eimer & Amend.....	Retort stand, etc.....	1.56
	Queen & Co., Incorporated.....	Slide boxes.....	15.00
9	United States Express Co.....	Transportation.....	.75
	Z. D. Gilman.....	Chemicals.....	4.79
11	F. A. Schmidt.....	Brushes.....	.24
16	August Busck.....	Traveling expenses.....	195.82
17	Rudolph, West & Co.....	Wire.....	.90
	Harry C. Jones.....	Engraving.....	1.75
20	Bausch & Lomb Optical Co.....	Circles.....	2.90
	Harry C. Jones.....	Engraving.....	1.75
	Jno. Green.....	Achromatic.....	12.50
	Whitall, Tatum & Co.....	Jars.....	19.16
21	Western Union Telegraph Co.....	Telegraph service.....	4.60
22	Queen & Co., Incorporated.....	Forceps, etc.....	6.86
25	International and Great Northern R. R. Co.....	Passenger transportation.....	1.10
	Galveston, Harrisburg and San Antonio Rwy. Co.....	do.....	37.40
	W. C. Newton & Co.....	Electros.....	.75
31	E. A. Schwarz et al.....	Salaries.....	1,345.10
	Total third quarter.....		4,751.21
Apr. 3	Whitall, Tatum & Co.....	Battery jars.....	18.58
	Jno. C. Parker.....	Transfer cases.....	4.20
5	W. H. Butler.....	Glass.....	25.50
6	Jno. Schmitt.....	Insect boxes.....	52.50
11	Library Bureau.....	Steel rules.....	1.50
12	A. D. Hopkins.....	Traveling expenses.....	18.00
	Mackall Bros.....	Cotton.....	1.68
	Rufus P. Clarke.....	Muslin.....	.90
	H. H. Brown.....	Film.....	.52
15	do.....	Dishes.....	15.70
17	Bausch & Lomb Optical Co.....	Microscope.....	12.56
22	P. Mann & Co.....	Bone meal.....	2.60
25	Missouri, Kansas and Texas Rwy. Co.....	Passenger transportation.....	2.85
27	Hugh Reilly.....	Pencils.....	.52
29	M. A. Frazar.....	Net, etc.....	1.85
	Library Bureau.....	Index cards.....	5.20
	E. A. Schwarz et al.....	Salaries.....	1,323.15
May 11	Z. D. Gilman.....	Alcohol.....	4.48
	E. J. Pullman.....	Photo supplies.....	1.05
	L. O. Howard.....	Traveling expenses.....	58.58
17	Thos. Somerville & Sons.....	Nozzles.....	5.60
	Henry H. Brown.....	Slide case.....	2.50
	Rufus P. Clarke.....	Silesia.....	1.25
18	J. M. Thorburn & Co.....	Seeds.....	5.00
	Whitall, Tatum & Co.....	Vials.....	27.73
19	J. P. Brass.....	Sand.....	1.50
26	T. D. A. Cockerell.....	Traveling expenses.....	37.10
31	E. A. Schwarz et al.....	Salaries.....	1,370.95
June 1	Fred A. Schmidt.....	Bristol board.....	1.53
2	Jno. Green.....	Lens.....	12.50
13	Z. D. Gilman.....	Rubber stoppers.....	65.09
	W. C. Newton & Co.....	Electros.....	6.65
24	Adams Express Co.....	Transportation.....	3.65
	do.....	do.....	3.15
	do.....	do.....	.90
26	A. D. Hopkins.....	Traveling expenses.....	211.16
27	Southern Rwy. Co.....	Passenger transportation.....	77.00
	San Antonio and Aransas Pass Rwy. Co.....	do.....	5.30
	do.....	do.....	1.85

34 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

ENTOMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
June 27	Pennsylvania R. R. Co.....	Passenger transportation.....	\$57.95
28	F. C. Pratt.....	Traveling expenses.....	15.93
29	L. O. Howard.....	Expenses.....	1.50
30	E. A. Schwarz et al.....	Salaries.....	1,358.07
	Total fourth quarter.....		4,825.78
	<i>Supplemental.</i>		
July 1	Bausch & Lomb Optical Co.....	Labels, etc.....	3.95
	Queen & Co., Incorporated.....	Pins.....	12.00
5	F. C. Pratt.....	Traveling expenses.....	8.10
11	David Adams.....	Wire, etc.....	18.00
	F. H. Chittenden.....	Traveling expenses.....	7.29
12	United States Express Co.....	Transportation.....	3.15
	do.....	do.....	2.40
	do.....	do.....	2.95
18	A. D. Hopkins.....	Traveling expenses.....	33.45
	T. D. A. Cockerell.....	do.....	17.15
	E. J. Pullman.....	Plates.....	1.40
	Church & Stephenson.....	Lumber.....	3.10
19	Rudolph, West & Co.....	Wire, etc.....	.59
20	Jno. C. Parker.....	Stencil paper.....	3.95
Aug. 3	Astoria and Columbia R. R. Co.....	Passenger transportation.....	1.20
	Great Northern Rwy. Co.....	do.....	3.00
	Corvallis and Eastern R. R. Co.....	do.....	2.85
	Northern Pacific Rwy. Co.....	do.....	23.25
12	Bausch & Lomb Optical Co.....	Camera.....	30.00
16	Adams Express Co.....	Transportation.....	6.05
	do.....	do.....	1.00
	do.....	do.....	.60
	do.....	do.....	3.08
	W. C. Newton & Co.....	Electro.....	.50
17	American Entomological Co.....	Insect boxes.....	52.50
	do.....	Label holders.....	2.50
Sept. 6	The Oregon Railroad and Navigation Co.....	Passenger transportation.....	3.40
	The Atchison, Topeka and Santa Fé Rwy. Co.....	do.....	61.27
	Spokane Falls and Northern Rwy. Co.....	do.....	2.40
	Oregon Short Line R. R. Co.....	do.....	13.75
16	B. T. Grigsby.....	Drayage.....	.40
19	Southern Pacific Co.....	Passenger transportation.....	11.90
	do.....	do.....	5.40
	The Oregon Railroad and Navigation Co.....	do.....	14.20
20	United States Express Co.....	Transportation.....	29.10
	do.....	do.....	3.30
	do.....	do.....	5.95
Oct. 12	A. D. Hopkins.....	Report on insects.....	400.00
18	Adams Express Co.....	Transportation.....	3.40
	do.....	do.....	2.10
Nov. 6	Northern Pacific Rwy. Co.....	Passenger transportation.....	5.50
	Oregon Short Line R. R. Co.....	do.....	53.84
	Total.....		859.92

RECAPITULATION.

First quarter.....	\$4,460.78
Second quarter.....	4,773.80
Third quarter.....	4,751.21
Fourth quarter.....	4,825.78
Supplemental.....	859.92
Total.....	19,671.49

VEGETABLE PATHOLOGICAL INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	E. F. Smith et al.....	Salaries.....	\$1,047.70
Aug. 16	Bausch & Lomb Optical Co.....	Slips.....	1.80
17	E. F. Smith.....	Traveling expenses.....	8.17
19	Washington Gas Light Co.....	Gas.....	1.60
	Z. D. Gilman.....	Chloride of lime.....	1.44

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Aug. 19	E. J. Pullman	Photo. supplies	\$7.83
	do	do	3.50
	Mackall Bros	Cy. potassium	4.50
	do	Chemicals	2.94
	Rudolph, West & Co	Galvanized wire	1.50
	N. B. Pierce	Salary	150.00
25	Ernest Betz	Tin boxes	1.00
31	E. F. Smith et al	Salaries	1,047.70
	Chas. S. White	Sod	10.00
Sept. 1	M. B. Waite	Traveling expenses	24.84
10	Paul Hiser, jr., & Bro	Flower pots, etc	9.75
14	N. B. Pierce	Salary	150.00
15	Norfolk and Washington Steamboat Co	Passenger transportation	5.00
17	W. T. Swingle	Salary	168.50
20	E. S. Schmid	Labels	1.50
22	Eimer & Amend	Rubber caps	7.20
26	Norfolk and Carolina R. R. Co	Passenger transportation	1.20
29	Chas. White	Manure	2.00
30	E. F. Smith et al	Salaries	1,014.60
	Total first quarter		3,674.27
Oct. 1	Z. D. Gilman	Bisulph. carbon	1.75
	Washington Gas Light Co	Gas	3.30
3	M. B. Waite	Traveling expenses	14.67
4	N. E. Williams	Sacks	2.72
6	Merck & Co	Chemicals	1.90
14	Washington Gas Light Co	Gas	3.30
17	N. B. Pierce	Salary	150.00
19	do	Expenses	15.75
20	Library Bureau	Pamphlet cases	2.40
22	Z. D. Gilman	Acid, etc	2.87
24	Baltimore, Chesapeake and Atlantic Rwy. Co	Passenger transportation	1.95
31	E. F. Smith et al	Salaries	1,047.70
Nov. 3	Mackall Bros	Formaln .....	.58
8	Washington Gas Light Co	Gas	4.00
9	Newton B. Pierce	Expenses	37.96
	do	do	41.15
16	E. F. Smith	Traveling expenses	53.10
21	N. B. Pierce	Salary	150.00
	do	Expenses	39.91
30	Bausch & Lomb Optical Co	Repairing shutters	1.88
	Library Bureau	Cards	3.40
	Erwin F. Smith et al	Salaries	1,128.80
Dec. 2	E. J. Pullman	Solio paper	2.25
	Frank Dean	Labor	3.00
	J. W. Watson	Hardware	14.35
5	Eimer & Amend	Objective	38.40
	do	Camera	15.10
	A. Corell	Labor	4.75
8	Z. D. Gilman	Alcohol	1.12
	Baltimore and Ohio R. R. Co	Passenger transportation	4.45
10	Washington Gas Light Co	Gas	4.60
15	N. B. Pierce	Salary	150.00
19	Grand Trunk Rwy. System	Passenger transportation	3.38
	Boston and Albany R. R. Co	do	17.00
21	J. W. Watson	Knife, etc	1.19
	Frank Dean	Salary	20.00
31	Erwin F. Smith et al	Salaries	1,108.30
	Total second quarter		4,076.98
1899.			
Jan. 3	Clark & Zugalla	Pocket heater	1.00
	Oscar Loew	Traveling expenses	26.15
5	J. P. Howie	Negatives	8.00
	Library Bureau	Index cards	6.85
	do	do	2.45
6	Michigan Central R. R. Co	Passenger transportation	14.25
	Chicago & Western Michigan Rwy. Co	do	2.44
	Grand Trunk Rwy. System	do	1.84
16	Washington Gas Light Co	Gas	2.70
	Z. D. Gilman	Soap and cotton	1.95
17	N. B. Pierce	Salary	150.00
19	Oswald Weigel	Plants	27.33
	Bausch & Lomb Optical Co	Circles, slips, etc	8.25
	Frank Dean	Labor	20.00
21	Chas. C. Van Horn	Welsbach light	4.50
26	E. J. Pullman	Photo supplies	15.23

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 28	Adams Express Co	Transportation	\$0.50
31	Erwin F. Smith et al	Salaries	1,133.20
Feb. 1	E. W. D. Holway	Dried plants	3.10
	Grand Trunk Rwy. System	Passenger transportation	4.72
	Whitall, Tatum & Co	Flasks	3.60
	Thos. Somerville & Sons	Pump	1.55
3	Southern Rwy. Co.	Passenger transportation	25.25
	do	do	15.30
	United States Express Co.	Transportation	1.90
6	Bausch & Lomb Optical Co.	Syringes	3.90
	Jno. C. Parker	Dictionary stand	4.00
	Z. D. Gilman	Lamp	1.75
8	do	Brushes	.61
10	Thos. Somerville & Sons	Repairs to pump	.50
	E. S. Schmid	Labels and wire	7.50
	Frank Dean	Labor	20.00
16	N. B. Pierce	Salary	150.00
	Eimer & Amend	Tubes	2.70
25	Washington Gas Light Co	Gas	1.40
	Adams Express Co	Transportation	3.45
	Mackall Bros	Acid	.75
28	Ernest Betz	Zinc tags	3.25
Mar. 1	E. F. Smith et al	Salaries	1,023.60
	E. L. Brady & Co	Fertilizers	7.70
	F. L. Budge	Pitcher pump	1.65
3	Oswald Weigel	Plants	4.57
	Merck & Co	Chemicals	9.24
14	do	do	.55
	Frank Dean	Labor	20.00
	A. B. Garden	Six pots hyacinths	2.00
15	Washington Gas Light Co.	Gas	2.90
17	Thos. Somerville & Sons	Stopcock	.80
	Z. D. Gilman	Sulphuric acid	5.19
	The Lenox Sprayer Co	Bordeaux mixture	1.00
20	E. J. Pullman	Photo supplies	6.92
24	N. B. Pierce	Expenses	38.04
	do	do	40.07
25	Florida Central and Peninsula R. R.	Passenger transportation	11.70
31	Erwin F. Smith et al	Salaries	1,162.23
	Total third quarter		4,019.53
April 3	Ernest Betz	Zinc tags	6.50
	Rufus P. Clarke	Toweling	5.52
5	G. W. Moss	Passenger transportation	64.00
11	Library Bureau	Index cards	2.45
	Emil Greiner	Pipetts	2.82
	H. C. Jones	Engraving	8.41
	A. B. Seymour	Slide boxes	2.40
15	Z. D. Gilman	Laboratory supplies	3.83
17	Frank Dean	Labor	20.00
18	C. O. Bryant	do	3.00
	Eimer & Amend	Cedar oil	2.65
	T. M. Whitney	Cider	1.50
	Mackall Bros	Corks	16.35
19	do	Laboratory supplies	14.96
22	N. B. Pierce	Salary, February	150.00
	do	Salary, March	150.00
	M. B. Waite	Traveling expenses	10.59
	Bausch & Lomb Optical Co	Aplanatic triplet	3.11
	Merck & Co	Laboratory supplies	13.54
24	Eimer & Amend	Burners	1.75
	Woodward & Lothrop	Table	.95
	Washington Gas Light Co	Gas	.50
27	Frank T. Budge	Tables	16.75
29	A. J. Killen	Experiments with sweet potatoes.	30.00
	Erwin F. Smith et al	Salaries	1,144.40
May 1	Kelsey Press Co	Packing and cartage	2.00
5	Albert F. Woods	Traveling expenses	32.00
11	Z. D. Gilman	Lime, etc	4.54
	R. Carter Ballantyne	Paper	10.00
	E. J. Pullman	Plates	2.40
17	A. Corell	Hauling plants	3.25
24	Kny Scheerer Co	Thermometers	12.40
	Frank Dean	Salary	25.00
	Merck & Co	Chemicals	28.08
	Chas. R. Edmonston	Pots, etc	10.00
	Washington Gas Light Co	Gas	8.20
26	M. B. Waite	Traveling expenses	30.75

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 26	M. B. Waite	Traveling expenses.....	\$10.13
31	Erwin F. Smith et al.....	Salaries	1,279.38
June 1	Mackall Bros	Xylol	3.00
2	G. L. Taber	Labor	3.75
6	H. J. Webber	Traveling expenses.....	143.50
	do	do	23.91
13	Edwd. S. Schmid	Labels	1.50
	Frank Dean	Salary	25.00
	Galvanotype Engraving Co	Engraving	2.00
	International Navigation Co	Passenger transportation	114.25
16	A. Corell	Clearing land	70.00
21	Newton B. Pierce	Salary, April	150.00
	do	Salary, May	150.00
	do	Expenses, January	30.91
	do	Expenses, February	36.35
	do	Expenses, March	40.11
	do	Expenses, April	30.23
	do	Expenses, May	12.80
	Chas. White	Sod	12.50
22	J. K. Purinton & Co	Boiler, etc	40.00
22	Jacksonville, Tampa and Key West Rwy. Co.	Passenger transportation	3.40
24	Z. D. Gilman	Bottle, etc	24.20
	W. C. Newton & Co	Wood cuts	4.70
27	Southern Rwy. Co	Passenger transportation	2.65
	Pennsylvania R. R. Co	do	12.79
	Florida Central and Peninsular R. R.	do	6.45
29	E. J. Pullman	Photo supplies	12.33
	Washington Gas Light Co	Gas	7.50
30	E. F. Smith et al	Salaries	1,608.10
	Total fourth quarter		5,706.04
	<i>Supplemental.</i>		
July 1	Bausch & Lomb Optical Co	Squares, circles, etc	17.18
6	Atlantic Coast Line R. R. Co. of South Carolina.	Passenger transportation	16.50
12	Eimer & Amend	Laboratory apparatus	7.70
	A. B. Seymour	Specimens fungi	6.11
	Emil Greimer	Pipettes	3.71
	Merck & Co	Hydrogen	2.40
	do	Iron, etc .....	.63
	United States Express Co	Transportation	4.05
17	W. E. Orton & Co	Glazing and painting greenhouse.	169.50
18	M. B. Waite	Traveling expenses.....	2.50
	Chas. R. Edmonston	Dishpan	1.00
	E. J. Pullman	Lantern slides	14.00
	Z. D. Gilman	Chemicals	5.86
19	Rudolph, West & Co	Hinges, etc	1.05
	Mackall Bros	Bottles, etc	18.10
	Hugh Reilly	Paint	1.15
	W. H. Butler	Window glass	7.04
20	Bausch & Lomb Optical Co	Objectives, etc	94.03
21	Washington Gas Light Co	Gas	6.10
22	N. B. Pierce	Expenses	12.40
	do	Salary	150.00
25	Frank Dean	Services	25.00
28	Merck & Co	Soda fluoride	7.50
	do	Manganese sulphate	1.84
	Church & Stephenson	Lumber	3.32
	do	Screen door	1.25
	Thos. Somerville & Sons	Brass plate, etc	5.85
	E. H. Jones	Sprayers	16.00
	Bausch & Lomb Optical Co	Watchmakers' glass .....	.79
	Library Bureau	Index cards	7.60
	do	Library Bureau cards	4.90
Aug. 3	Thos. Cook & Son	Passenger transportation	28.53
	Savannah, Florida and Western Rwy Co.	do	9.10
	Baltimore and Ohio R. R. Co.	do	16.75
	Southern Rwy. Co	do	4.25
	Merck & Co	Chemicals	5.69
4	Blue Line Transfer Co	Transportation .....	.70
12	The Conrad & Jones Co	Violet plant	3.00
	Wm. Krafft	Microscope	60.00
14	Merck & Co	Chemicals	4.26
	Z. D. Gilman	Beakers	102.24
	do	Flasks, etc	25.41
14	Geo. F. Muth & Co	Asphaltum	5.85

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
Aug. 16	Thos. Somerville & Sons.....	Repairing pump.....	\$4.17
19	Biscayne Lumber and Supply Co.....	Lumber.....	43.35
23	Merck & Co.....	Chemicals.....	5.28
	do.....	do.....	5.71
	Chas. Becker.....	Lead.....	15.42
	F. A. Tschiffely, jr.....	Bottles.....	8.70
26	Jas. Frawley.....	Manure.....	6.00
30	R. A. Emerson.....	Services.....	12.80
Sept. 1	E. J. Pullman.....	Photo supplies.....	8.21
	Blue Line Transfer Co.....	Transportation.....	.50
5	A. Corell.....	Hauling.....	2.00
	Merck & Co.....	Zinc, etc.....	9.29
	Page Woven Wire Fence Co.....	Fence and gates.....	126.25
6	Pennsylvania R. R. Co.....	Passenger transportation.....	6.29
	Thos. Cook & Son.....	do.....	63.70
18	Frank A. Budge.....	Nails, etc.....	1.21
20	H. J. Webber.....	Traveling expenses.....	123.55
21	Merck & Co.....	Tribrom phenol.....	4.50
Oct. 4	Mackall Bros.....	Acids.....	1.10
9	Library Bureau.....	Card case.....	33.00
24	B. F. Galloway.....	Expenses.....	5.23
	Total.....		1,367.10

RECAPITULATION.

First quarter.....	\$3,674.27
Second quarter.....	4,076.98
Third quarter.....	4,019.53
Fourth quarter.....	5,706.04
Supplemental.....	1,367.10
Total.....	18,843.92

VEGETABLE PATHOLOGY—RENT OF BUILDINGS.

Date.	Name.	Nature of payment.	Total.
1898.			
Aug. 6	Jno. F. Shea.....	Rent of laboratory.....	\$55.00
Sept. 10	do.....	do.....	55.00
	Total first quarter.....		110.00
Oct. 1	Jno. F. Shea.....	Rent of laboratory.....	55.00
Nov. 3	do.....	do.....	55.00
Dec. 2	do.....	do.....	55.00
	Total second quarter.....		165.00
1899.			
Jan. 5	John F. Shea.....	Rent of laboratory.....	55.00
Feb. 4	do.....	do.....	55.00
Mar. 3	do.....	do.....	55.00
	Total third quarter.....		165.00
Apr. 3	John F. Shea.....	Rent of laboratory.....	55.00
May 4	do.....	do.....	55.00
June 13	do.....	do.....	55.00
	Total fourth quarter.....		165.00
	<i>Supplemental.</i>		
July 11	Jno. F. Shea.....	Rent of laboratory.....	55.00

RECAPITULATION.

First quarter.....	\$110.00
Second quarter.....	165.00
Third quarter.....	165.00
Fourth quarter.....	165.00
Supplemental.....	55.00
Total.....	660.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BIOLOGICAL INVESTIGATION.

Date.	Name.	Nature of payment.	Total.
1898.			
July 14	H. C. Oberholser	Traveling expenses	\$11.50
23	Dane Coolidge	Mammals	20.00
	Clark P. Streator	do	19.50
	Whitall, Tatum & Co	Rubber rings	1.25
25	F. P. May & Co	Mouse traps	6.60
30	W. H. Osgood et al.	Salaries	453.40
Aug. 2	W. K. Fisher	Salary	100.00
	E. W. Nelson	do	151.60
	E. A. Goldman	do	101.10
	Vernon Bailey	do	168.50
5	A. C. Brooks	Mammals	16.25
9	R. T. Fisher	Salary	75.00
10	C. H. Merriam	Traveling expenses	107.75
	H. J. Green	Barometer	26.00
16	Geo. M. Byram	Mammal	8.00
23	Allen C. Brooks	Mammals	13.70
	Peter Schmid	do	1.50
	M. S. Featherstone	do	3.40
25	Easton & Rupp	Mailing tubes	.85
	Mackall Bros	Chemicals	11.65
	E. J. Pullman	Photo supplies	7.88
27	Dane Coolidge	Mammals	1.00
	W. P. Melville	Birds' stomachs	3.25
31	W. H. Osgood et al.	Salaries	453.10
Sept. 2	F. P. May & Co	Mouse traps	24.00
	Vernon Bailey	Salary	168.50
	R. T. Fisher	do	75.00
	Walter K. Fisher	do	100.00
	E. A. Goldman	do	101.10
7	A. W. Perrior	Birds' stomachs	.75
	Fred Stephens	Mammals	4.00
10	W. K. Fisher	Traveling expenses	3.25
	C. H. Merriam	do	241.25
13	Alex Gow	Birds' stomachs	1.40
15	Jas. B. Lambie	Traps	14.00
20	W. H. Osgood	Traveling expenses	33.40
22	H. J. Giddings	Birds' stomachs	1.50
28	W. H. Osgood	Traveling expenses	15.50
	do	do	9.00
30	W. H. Osgood et al.	Salaries	438.80
	E. A. Goldman	Salary	97.80
	R. T. Fisher	do	75.00
	Total first quarter		3,166.73
Oct. 1	E. W. Nelson	Salary	151.60
	do	do	146.80
6	Geo. D. Peck	Mammals	1.50
14	C. H. Merriam	Traveling expenses	210.50
18	Allan Brooks	Mammals	5.50
21	The Globe Company	Transfer cases	3.35
24	Baltimore and Ohio R. R. Co.	Passenger transportation	157.00
	Vernon Bailey	Salary	163.00
31	W. H. Osgood et al.	Salaries	453.10
Nov. 1	E. W. Nelson	Salary	151.60
	W. H. Osgood	Traveling expenses	55.00
	E. A. Goldman	do	101.10
2	Vernon Bailey	do	168.50
	F. W. Rapp	Birds' stomachs	1.06
3	Willis Leake	Mammals	1.75
10	W. H. Osgood	Traveling expenses	57.20
11	C. H. Merriam	do	148.95
16	P. M. Shufeldt	Birds' stomachs	3.00
	People's Dispatch Co	Transportation	3.77
29	A. K. Fisher	Traveling expenses	40.45
30	W. H. Osgood et al.	Salaries	480.38
Dec. 1	E. W. Nelson	Salary	146.80
	Vernon Bailey	do	163.00
2	E. J. Pullman	Films	14.40
3	E. A. Goldman	Salary	97.80
14	H. M. Kingsley	Mammals	10.45
17	Ernest Betz	Zinc holders	4.50
20	Thad Surber	Mammals	8.00
21	E. S. Thompson	Drawing	10.00
	Walter K. Fisher	Photographs	37.50
	Whitall, Tatum & Co	Vials and corks	10.16
	Kenneth F. Beale	Mammals	12.40
23	E. J. Hardisty	Photographs	16.56

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BIOLOGICAL INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Dec. 23	A. H. Baldwin	Drawings	\$105.00
31	W. H. Osgood et al	Salaries	526.18
	Total second quarter		3,667.86
1899.			
Jan. 3	E. W. Nelson	Salary	151.60
	Vernon Bailey	do	168.50
	E. A. Goldman	do	101.10
4	F. P. May & Co	Traps	75.00
	F. W. Nelson	Mammals	27.50
	A. R. Shearer	Birds' stomachs	1.50
5	C. P. Streater	Mammals	18.75
	B. S. Stowell	do	1.00
6	Southern Pacific Co.	Passenger transportation	8.90
	K. F. Beale	Mammals	2.75
12	Z. D. Gilman	Tubes, etc	12.23
21	E. M. Tilden	Type	2.05
24	A. R. Shearer	Birds' stomachs	3.00
	W. A. Mayer	do	19.74
	L. J. Cole	do	2.06
	W. K. Vickery	Photos	4.50
28	Adams Express Co.	Transportation	15.20
	do	do	13.00
	Pennsylvania Company	Passenger transportation	17.50
	Baltimore and Ohio Southwestern Ry. Co.	do	20.25
	Southern Pacific Co	do	5.40
31	W. H. Osgood et al	Salaries	537.92
Feb. 1	Vernon Bailey	Salary	172.20
	E. W. Nelson	do	155.00
	E. A. Goldman	do	103.30
6	F. W. Nelson	Mammals	37.50
7	E. J. Pullman	Photo supplies	7.06
8	Z. D. Gilman	Glass tubes	2.15
10	W. J. Yeager	Mammals	6.00
	C. P. Streater	do	9.00
21	A. R. Shearer	Birds' stomachs	6.00
25	Rudolph, West & Co	Wire, etc	7.17
	Mackall Bros	Cotton	3.50
27	W. A. Mayer	Birds' stomachs	7.26
28	E. A. Goldman	Salary	93.40
Mar. 1	W. H. Osgood et al	Salaries	488.60
	E. W. Nelson	Salary	140.00
	Vernon Bailey	do	155.60
3	W. J. Yeager	Mammals	6.50
9	United States Express Co	Transportation	14.20
11	J. Everett McConnell	Drawings	49.75
14	Harry C. Jones	Plate	2.26
16	Southern Pacific Co.	Passenger transportation	8.80
	The Post-Office Department	Maps	6.95
17	J. F. Illingworth	Bird stomach	3.24
22	J. F. Abbott	Mammals	12.00
25	W. J. Yeager	do	3.00
31	W. H. Osgood et al	Salaries	540.70
	Total third quarter		3,251.19
Apr. 1	E. A. Goldman	Salary	103.90
	Vernon Bailey	do	172.20
	E. W. Nelson	do	155.00
	J. Manz & Co	Plate birds	15.00
	W. Frakes	Mammals	20.00
3	Clayton E. Stone	do	4.20
7	B. L. Cunningham	do	2.00
10	Jas. S. Topham	Leather handles, etc	1.50
12	R. P. Clarke	Thread	2.55
14	Chas. M. Barber	Mammals	32.50
17	J. F. Illingworth	Birds' stomachs	4.50
	Church & Stephenson	Lumber	3.72
22	K. F. Beale	Mammals	2.50
	W. J. Yeager	do	6.00
24	Robt. Gair	Seed bags	.77
	Henry J. Green	Repairing barometer	3.00
	J. Vansant, jr	Photographs of California	4.90
29	A. R. Shearer	Birds' stomachs	7.50
	W. H. Osgood et al	Salaries	517.70
May 1	L. A. Fuertes	Drawings	50.00
	W. E. Snyder	Mammals	6.00
	Thomas Hayes	do	10.25
2	E. A. Goldman	Salary	98.90

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BIOLOGICAL INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 2	Wm. L. Bray	Salary	\$100.00
	Vernon Bailey	do	164.80
	E. W. Nelson	do	148.80
3	S. D. Judd	Traveling expenses	5.33
8	C. Hart Merriam	do	16.85
10	Jas. S. Topham	Handles, straps, etc.	6.75
11	E. J. Pullman	Photographic supplies	8.62
17	Jno. Akhurst	Forceps	1.50
	Alex. Gow	Bird stomachs	1.35
18	Louis A. Fuertes	Drawings	50.00
20	C. Hart Merriam	Traveling expenses	30.35
23	Z. D. Gilman	Cotton, etc.	8.98
31	W. H. Osgood et al.	Salaries	534.60
June 1	Rudolph, West & Co.	Hinges, etc.	1.62
	Mackall Bros	Chemicals	13.82
	Church & Stephenson	Lumber	9.30
	Sylvester D. Judd	Traveling expenses	4.50
2	C. N. Barber	Mammals	2.75
	Houston and Texas Central R. R. Co.	Passenger transportation	6.50
	E. W. Nelson	Salary	153.40
	E. A. Goldman	do	102.20
	W. W. Worthington	Mammals	1.25
	Alfred E. Preble	do	16.75
6	Walter K. Fisher	Salary	51.61
	Wm. L. Bray	do	100.00
	Vernon Bailey	do	170.40
13	J. R. Buckelew	Typewriter	92.95
	Z. D. Gilman	Forceps	.40
	J. E. McConnell	Drawings	49.60
	William Wagner	Shells, shot, etc.	45.60
	H. P. Attwater	Mammals	8.50
	J. A. Dakin	Bird stomachs, etc.	6.79
	Wm. J. Fisher	Mammals	20.50
16	Walter K. Fisher	Salary	50.00
	Voigtlander & Son Optical Co.	Camera, etc.	134.50
21	W. E. Snyder	Bird stomachs	5.25
	C. P. Streater	Mammals	10.50
	J. F. Illingworth	Bird stomachs	2.70
22	Wilfred H. Osgood	Traveling expenses	90.85
	W. J. Yeager	Mammals	3.00
	F. P. May & Co.	Mouse traps	26.80
	Easton & Rupp	Fountain pens	12.00
	Jas. S. Topham	Straps	1.50
	Adams Express Co.	Transportation	17.95
27	Southern Rwy. Co.	Passenger transportation	34.05
	San Antonio and Aransas Pass Rwy. Co.	do	11.80
	Southern Pacific Co.	do	5.30
	Pennsylvania R. R. Co.	do	6.50
	Texas and New Orleans R. R. Co.	Passenger transportation	3.15
29	The Tilden Manufacturing Co.	Cleaning numbering machine	3.00
	E. J. Pullman	Photographic supplies	43.15
	F. P. May & Co.	Tow	11.00
30	W. H. Osgood et al.	Salaries	517.70
	Total, fourth quarter		4,149.86
	<i>Supplemental.</i>		
July 1	Whithall, Tatum & Co.	Vials, corks, etc.	11.64
3	William L. Bray	Salary	50.00
5	Vernon Bailey	do	164.80
	W. K. Fisher	do	50.00
6	Jas. B. Lambie	Hardware	13.23
	Galveston, Harrisburg and San Antonio Rwy. Co.	Passenger transportation	3.70
	A. W. Perrior	Bird stomachs	5.69
11	Fred. A. Schmidt	Steel tape measures	3.15
	J. E. McConnell	Drawings	41.25
12	W. P. Melville	Bird stomachs	3.40
	United States Express Co.	Transportation	2.05
	do	do	1.50
18	Jas. B. Lambie	Traps	15.00
	E. J. Pullman	Plates, etc.	39.96
19	Mackall Bros.	Arsenic, etc.	11.10
	E. C. Gill, jr.	Bird stomachs	3.05
22	W. K. Fisher	Traveling expenses	34.25
	W. A. Mayer	Bird stomachs	4.32
25	W. E. Snyder	do	3.90
Aug. 3	Fort Worth and Denver City Rwy. Co.	Passenger transportation	10.10
	Gulf, Colorado and Santa Fe Rwy. Co.	do	10.30

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BIOLOGICAL INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
Aug. 3	Pecos Valley and Northeastern Rwy. Co.	Passenger transportation	\$9.60
	Baltimore and Ohio R. R. Co.	do	91.25
	W. H. Osgood	Traveling expenses	180.00
7	S. D. Judd	do	12.17
16	Adams Express Co.	Transportation	17.95
17	C. Hart Merriam	Traveling expenses	74.65
21	Jas. B. Lambie	Excelsior and traps	16.04
23	E. W. Nelson	Salary	148.30
	E. A. Goldman	do	98.90
Sept. 6	Missouri, Kansas and Texas Rwy. Co.	Passenger transportation	5.95
	Texas Pacific Rwy. Co.	do	14.95
19	Southern Pacific Co.	do	.95
20	Chicago and Northwestern Rwy. Co.	do	.20
Oct. 7	F. P. May & Co.	Wire	3.00
18	Adams Express Co.	Transportation	32.25
Nov. 6	International and Great Western R. R. Co.	Passenger transportation	37.10
	Total		1,222.65

RECAPITULATION.

First quarter	\$3,166.73
Second quarter	3,667.86
Third quarter	3,251.19
Fourth quarter	4,149.85
Supplemental	1,222.65
Total	15,458.29

POMOLOGICAL INVESTIGATION.

Date.	Name.	Nature of payment.	Total.
1898.			
July 26	E. Morrison Paper Co.	Driers	\$6.00
30	W. P. Corsa et al.	Salaries	591.30
Aug. 9	T. T. Lyon	Salary	75.80
16	W. N. Irwin	Traveling expenses	7.20
17	W. H. Ragan	Salary	24.19
25	Geo. Shilling	Mounting lens	.50
31	Wm. P. Corsa et al.	Salaries	591.30
Sept. 14	T. T. Lyon	Salary	75.80
30	Wm. P. Corsa et al.	Salaries	504.00
	Total first quarter		1,876.09
Oct. 1	Geo. Shilling	Lens	.25
14	T. T. Lyon	Salary	73.40
31	Wm. P. Corsa et al.	Salaries	520.50
Nov. 3	E. Morrison Paper Co.	Gummed strips	1.25
8	T. T. Lyon	Salary	75.80
16	E. J. Pullman	Photo supplies	1.58
30	W. P. Corsa et al.	Salaries	504.00
Dec. 1	G. B. Brackett	Traveling expenses	94.44
	The Oregon Railroad and Navigation Co.	Passenger transportation	9.75
10	Mackall Bros	Chemicals	1.30
12	E. J. Wickson	Salary	30.65
	T. T. Lyon	do	73.40
14	E. M. Tilden	Ribbons	1.95
19	Union Pacific R. R. Co.	Passenger transportation	45.00
28	G. B. Brackett	Traveling expenses	4.00
31	Wm. P. Corsa et al.	Salaries	530.60
	Total second quarter		1,967.87
1899.			
Jan. 6	Michigan Central R. R. Co.	Passenger transportation	4.15
	Chicago, Milwaukee and St. Paul R. R. Co.	do	11.50
	Northern Pacific Rwy. Co.	do	17.25
	Wm. A. Taylor	Traveling expenses	3.25
12	T. T. Lyon	Salary	75.80
18	Wm. P. Corsa	Traveling expenses	8.08
19	J. W. Merriam	Lemon trees	40.00
20	E. Morrison Paper Co.	Herbarium paper	4.49
31	Wm. P. Corsa et al.	Salaries	542.60
Feb. 3	Southern Rwy. Co.	Passenger transportation	6.80
8	T. T. Lyon	Salary	77.50

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

POMOLOGICAL INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 28	H. H. Brown	Prints.....	\$19.90
	St. Louis, Keokuk and Northwestern R. R. Co.	Passenger transportation.....	6.00
	Alex Schmid	Paper boxes.....	47.50
	W. P. Corsa et al	Salaries.....	489.80
Mar. 1	The Springfield Engraving Co.	Manila envelopes.....	5.00
2	E. W. Schmid	Labels.....	4.50
31	W. P. Corsa et al	Salaries.....	542.60
	Total third quarter.....		1,906.72
Apr. 11	Library Bureau	Cards.....	2.00
	Reading Paper Mills	Wrapping paper.....	7.50
12	E. Morrison Paper Co.	Bristol.....	3.13
14	T. T. Lyon	Salary.....	70.00
22	Edwd. S. Schmid	Labels.....	7.50
29	Wm. P. Corsa et al	Salaries.....	586.80
May 31	do	do.....	636.40
June 1	Edwd. S. Schmid	Packing moss.....	5.00
2	Library Bureau	Cards.....	8.25
3	G. B. Brackett	Testing grafting.....	9.75
14	W. A. Taylor	Traveling expenses.....	18.86
30	W. P. Corsa et al	Salaries.....	768.60
	Total fourth quarter.....		2,123.79
	<i>Supplemental.</i>		
July 5	E. J. Pullman	Photographic supplies.....	16.22
18	H. von Luttichan	Services.....	50.00
	do	Expenses.....	19.95
	M. B. Waite	Traveling expenses.....	9.00
	Z. D. Gilman	Carbonic sulphate.....	3.50
19	Mackall Bros	Hydrate soda.....	.15
20	Levyty Co	Illustrations.....	24.20
	do	do.....	15.12
Aug. 3	Pennsylvania R. R. Co	Passenger transportation.....	11.55
	Raleigh and Augusta Air Line R. R. Co.	do.....	10.80
12	B. von Herff	Expenses.....	87.36
	do	do.....	50.75
14	Geo. B. Brackett	do.....	25.20
24	H. von Luttichan	do.....	29.96
	Total.....		353.76

RECAPITULATION.

First quarter.....	\$1,876.09
Second quarter.....	1,967.87
Third quarter.....	1,906.72
Fourth quarter.....	2,123.79
Supplemental.....	353.76
Total.....	8,228.23

LABORATORY.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	Maud S. Chamberlin et al	Salaries.....	\$206.84
Aug. 3	E. J. Pullman	Kodak, etc.....	48.60
16	E. S. Wertz	Photographic negatives and prints.....	42.47
18	Thos. F. Holden	Blue prints.....	3.00
19	Washington Gas Light Co	Gas.....	8.40
	Z. D. Gilman	Set weights.....	14.40
25	Melville Lindsay	Rubber sheets.....	.81
31	M. S. Chamberlin et al	Salaries.....	180.90
Sept. 10	Ernest Betz	Making water bath, etc.....	18.00
15	Forsberg & Murray	Moving boiler.....	19.00
	Ernest Kubel	Calorimeter.....	15.00
16	E. E. Ewell	Traveling expenses.....	16.50
30	M. S. Chamberlin et al	Salaries.....	178.20
	Total first quarter.....		752.12

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 1	Royce & Marean	Tape and wire	\$7.26
	Thos. Somerville & Sons	Valves	1.13
	Mackall Bros	Cotton batting	1.24
5	Standard Oil Co	Gasoline	.25
6	Z. D. Gilman	Chemicals	22.78
	T. W. Smith	Sticks	11.90
	Jno. A. Power & Co.	Basin	19.50
14	Washington Gas Light Co.	Gas	8.40
	do	do	2.90
20	Library Bureau	Cards	5.20
22	G. L. Spencer	Traveling expenses	15.00
31	M. S. Chamberlin et al.	Salaries	130.90
Nov. 4	E. J. Hannan	Plumbing	500.00
9	R. P. Clarke	Toweling	8.28
11	G. L. Spencer	Traveling expenses	5.00
16	Z. D. Gilman	Oxygen	21.95
	do	Chemicals	1.46
	Rudolph, West & Co	Tape line	.25
	Ernest Betz	Lengthening tube	8.10
	do	Repairing tank	2.00
30	M. S. Chamberlin et al.	Salaries	128.20
Dec. 2	E. J. Hannan	Plumbing	500.00
	Thos. Somerville & Sons	Pipe	39.10
	E. J. Hannan	Plumbing	6.60
	G. L. Spencer	Traveling expenses	3.60
	R. P. Clarke	Sheeting	2.00
8	Z. D. Gilman	Filters, etc	31.62
10	Mackall Bros	Ammonium hydrate	8.32
	Washington Gas Light Co.	Gas	12.90
	Ernest Betz	Pipe, elbow, etc.	10.00
14	Woodward & Lothrop	Calico	.75
	Mackall Bros	Acid, etc	5.20
	J. T. Walker Sons	Charcoal	1.20
	Rudolph, West & Co	Knee irons	2.10
	Columbia Supply Co	Pulleys	6.00
	Chas. Becker	Lead	1.30
	C. H. Knight	Foundation for press machine	10.00
17	E. J. Hannan	Rubber mats	34.75
21	Melville Lindsay	Packing	5.43
	Forsberg & Murray	Apparatus	12.60
	W. B. Morgan	Covering boiler	13.00
31	M. S. Chamberlin et al.	Salaries	130.90
	Total second quarter		1,738.47
1899.			
Jan. 3	Francis Miller	Oil	.75
4	F. P. May & Co	Rope, etc	9.70
	Thos. Somerville & Sons	Materials, fitting up laboratory	170.83
	do	do	37.25
5	Library Bureau	Shelving	25.68
10	Ernest Betz	Grates	9.00
12	Jas. B. Lambie	Belting, etc	11.08
	W. L. Lewis	Janitor services	3.00
	The Geo. W. Knox Express Co.	Transportation	46.20
16	Washington Gas Light Co.	Gas	2.10
	Z. D. Gilman	Ether, alcohol, etc.	48.40
19	Emil Greiner	Blow bulbs	8.00
	Thos. Somerville & Sons	Material, fitting up laboratory	84.34
20	Rudolph, West & Co	Zinc, stepladder, etc.	5.11
	F. P. May & Co	Files	1.58
21	W. H. Butler	Glass	16.08
26	E. Morrison Paper Co.	Bags	.44
31	M. S. Chamberlin et al.	Salaries	64.35
Feb. 1	Thos. Boyce	Bansen burners	20.00
	O. S. Blakeslee	Lead jackets	2.20
	W. H. Butler	Glass	5.13
	J. B. Espey	Rings, hooks, etc	2.45
	Thos. Somerville & Sons	Valves	72.65
3	United States Express Co	Transportation	2.40
6	The Baker & Adamson Chemical Co.	Chemicals	8.43
	Z. D. Gilman	Beakers	66.88
10	I. A. Sheppard & Co	Castings	145.72
	do	do	36.06
25	Washington Gas Light Co.	Gas	.80
	The J. C. Ergood & Co.	Baking powder	.45
	Rudolph, West & Co	Hinges	.96
	Mackall Bros	Ammonia hydrate	16.00
28	R. P. Clark	Linen	2.50
Mar. 1	Geo. I. Roberts & Bros	Paste	2.50
9	Rudolph, West & Co	Brass locks, etc	1.30

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 9	Z. D. Gilman	Rubber tubing, etc.	\$58.47
	do	do	26.43
11	Melville Lindsay	Packing	.49
15	Washington Gas Light Co	Gas	6.50
17	W. H. Butler	Glass	2.75
	Eimer & Amend	Chemicals	2.20
	do	Asbestos paper	2.04
	Total third quarter		1,024.20
Apr. 1	Thos. Somerville & Sons	Pipe	5.71
10	R. P. Clarke	Toweling	8.28
12	Rudolph, West & Co	Hardware	3.32
15	Washington Gas Light Co	Gas	5.90
18	Standard Oil Co	Gasoline and can	2.25
	Mackall Bros	Chemicals	8.97
22	W. H. Butler	Glass	1.41
24	Church & Stephenson	Lumber	10.40
	Royce & Marean	Repairing motor	.50
28	Jas. B. Lambie	Pliers	6.00
May 24	Washington Gas Light Co	Gas	3.60
June 1	Melville Lindsay	Hose	4.00
	C. R. Edmonston	Crocks	2.40
	E. P. Schmitz	Enamel pans	.86
2	Eimer & Amend	Asbestos paper	4.00
13	R. P. Clarke	Muslin	.60
	Rudolph, West & Co	Watering pot, etc	.75
	J. H. Theimeyer	Boxes	3.50
24	Washington Gas Light Co	Gas	2.30
29	Jas. B. Lambie	Cotton and excelsior	9.48
	Total fourth quarter		84.23
	<i>Supplemental.</i>		
July 12	United States Express Co	Transportation	.75
	do	do	6.90
28	Thos. Somerville & Sons	Fittings	13.15
Aug. 16	Geo. F. Muth & Co	Whiting	.12
	Adams Express Co	Transportation	.60
23	Whitall, Tatum & Co	Bottles and flasks	12.38
Sept. 5	Kny Scheerer Co	Bottles	6.93
25	Eimer & Amend	Tubes	7.70
Oct. 4	Mackall Bros	Ammonia hydrate	16.00
12	Eimer & Amend	Condensers	54.40
17	Z. D. Gilman	Beakers	28.95
18	Adams Express Co	Transportation	.65
	do	do	1.60
	Total		150.13

RECAPITULATION.

First quarter	\$752.12
Second quarter	1,738.47
Third quarter	1,024.20
Fourth quarter	84.23
Supplemental	150.13
Total	3,749.15

LABORATORY—RENT OF BUILDINGS.

Date.	Name.	Nature of payment.	Total.
1898.			
Aug. 9	J. Harrison Johnson	Rent of buildings	\$75.00
	Total first quarter		75.00
Oct. 28	J. Harrison Johnson	Rent of buildings	150.00
Nov. 3	do	do	75.00
Dec. 8	do	do	75.00
	Total second quarter		300.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

LABORATORY—RENT OF BUILDINGS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 10	J. Harrison Johnson	Rent of buildings	\$75.00
Feb. 6	do	do	75.00
Mar. 11	do	do	75.00
	Total third quarter		225.00
	<i>Supplemental.</i>		
July 19	J. Harrison Johnson	Rent of buildings, March, April, May, and June.	300.00

RECAPITULATION.

First quarter	875.00
Second quarter	300.00
Third quarter	225.00
Supplemental	300.00
Total	900.00

ADULTERATION OF FOOD AND INVESTIGATION OF SOILS.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	G. L. Spencer et al.	Salaries	\$558.70
Aug. 31	do	do	558.70
Sept. 30	do	do	542.60
	Total first quarter		1,660.00
Oct. 18	H. W. Wiley	Traveling expenses	318.83
31	G. L. Spencer et al.	Salaries	498.10
Nov. 10	H. W. Wiley	Traveling expenses	94.15
21	W. D. Bigelow	Expenses	153.16
	do	Traveling expenses	41.30
Dec. 2	G. L. Spencer et al.	Salaries	483.80
14	E. S. Wertz	Negatives, etc	79.72
31	do	do	1.49
	G. E. Patrick et al.	Salaries	363.30
	Total second quarter		2,033.85
1899.			
Jan. 4	E. J. Pullman	Photographic supplies	11.72
26	do	do	4.10
31	G. E. Patrick et al.	Salaries	370.40
Feb. 3	United States Express Co.	Transportation	13.10
28	G. E. Patrick et al.	Salaries	339.29
Mar. 1	Forsberg & Murray	Repairing grates	7.25
9	S. S. Shedd & Bro	Copper tacks, etc.	35.40
11	H. W. Wiley	Expenses	6.50
31	G. E. Patrick et al.	Salaries	370.40
	Total third quarter		1,158.07
Apr. 1	Hugh Reilly	Brushes	7.80
11	Emil Greiner	Forceps	2.68
12	Mackall Bros	Cotton	1.68
15	Z. D. Gilman	Sodium, ether, etc.	163.54
29	G. E. Patrick et al.	Salaries	356.60
May 1	Whitall, Tatum & Co.	Flasks	12.80
23	Z. D. Gilman	Chemicals, flasks, etc	61.62
	do	do	14.16
31	G. E. Patrick et al.	Salaries	366.80
June 1	Mackall Bros	Carbolic acid and soda	1.85
	Standard Oil Co.	Gasoline and cans	2.25
	Rudolph, West & Co.	Locks, etc	2.21
2	Elmer & Amend	Jars	10.00
	Parke, Davis & Co.	Pepsin	.80
13	Z. D. Gilman	Chemicals, etc	16.15
	J. Bishop & Co.	Platinum capsules	18.00
22	Emil Greiner	Laboratory apparatus	40.00
24	Adams Express Co.	Transportation	1.15
27	H. W. Wiley	Expenses	162.16
29	Rufus P. Clarke	Mosquito net	.40

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

ADULTERATION OF FOOD AND INVESTIGATION OF SOILS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
June 29	W. D. Bigelow	Traveling expenses	59.65
30	G. E. Patrick et al	Salaries	241.20
	Total fourth quarter		1,493.50
	<i>Supplemental.</i>		
July 1	Eimer & Amend	Condensers	20.00
6	Standard Oil Co.	Gasoline	1.70
11	E. S. Wertz	Negatives	22.35
	Standard Oil Co.	Gasoline	3.10
18	Z. D. Gilman	Crucibles, etc	595.25
20	The Kny Scheerer Co.	Funnels, etc	14.35
28	Dulin & Martin Co	Saucepans	2.90
	Z. D. Gilman	Beakers	67.68
Aug. 14	E. Morrison Paper Co	Sacks .....	.57
16	Adams Express Co	Transportation	9.45
Sept. 5	Bausch & Lomb Optical Co.	Selenite film	1.15
20	Rudolph, West & Co.	Can opener .....	.15
	do	Hinges, etc .....	.48
	United States Express Co	Transportation .....	.90
Oct. 4	Mackall Bros	Sulphate soda .....	.50
	Total		740.53

RECAPITULATION.

First quarter	\$1,660.00
Second quarter	2,033.85
Third quarter	1,158.07
Fourth quarter	1,493.50
Supplemental	740.53
Total	7,085.95

FORESTRY INVESTIGATION.

Date.	Name.	Nature of payment.	Total.
1899.			
July 22	Gifford Pinchot	Traveling expenses	\$17.65
26	E. J. Pullman	Films	10.80
30	B. E. Fernow et al	Salaries	585.11
Aug. 23	Jno. C. Parker	Stencil paper	3.75
24	C. C. Vermele	Maps	2.04
	Henry S. Graves	Salary	83.15
	do	Traveling expenses	39.75
	do	Expenses	14.00
	Filibert Roth	Salary	126.40
	do	do	20.38
	Chas. Mohr	do	126.40
31	A. J. Mlodziansky et al	Salaries	282.50
Sept. 3	Henry S. Graves	do	151.60
6	Alston Ellis	Expenses	27.00
	Jno. W. Heston	Labor, tree planting	50.00
	Cyrus Northrup	do	5.00
7	Library Bureau	Binders	6.25
	Jno. C. Parker	Fountain pens	8.00
10	Geo. E. Morrow	Labor, tree planting	8.80
13	Library Bureau	Card-index case	22.00
15	Gifford Pinchot	Traveling expenses	39.25
22	Colclesser Bros	Tomahawk	1.40
28	Geo. E. MacLean	Expenses	44.65
30	A. K. Mlodziansky et al	Salaries	275.00
	Total first quarter		1,950.88
Oct. 3	De Alton Saunders	Basswood seeds	7.50
	Geo. E. MacLean	Expenses	46.35
	Jno. W. Heston	do	65.00
5	Southern Rwy. Co	Passenger transportation	43.40
8	do	do	9.30
10	Henry S. Graves	Salary	146.80
14	A. K. Mlodziansky	Traveling expenses	50.70
20	Jno. W. Heston	Expenses	48.50
	Library Bureau	Binders and tray	6.70

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

FORESTRY INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 20	Library Bureau	Cards, etc	\$3.25
	Gifford Pinchot	Traveling expenses	25.23
21	Robt. W. Furnas	Acorns	3.45
	C. A. Keffer	Traveling expenses	91.29
22	L. L. Foster	Expenses	15.00
	do	do	27.00
24	Pennsylvania Railroad Co	Passenger transportation	33.15
31	A. K. Mlodziansky et al	Salaries	289.96
Nov. 3	Saml. B. Green	Acorns	12.50
5	Chas. A. Keffer	Traveling expenses	27.92
	Eastman Kodak Co	Kodaks	75.90
8	Chas. Mohr	Salary	122.20
	do	do	126.40
	do	do	126.40
9	Cyrus Northrup	Expenses	10.00
14	Henry S. Graves	Salary	63.59
	do	Traveling expenses	55.24
17	J. E. Ransom	Services	25.00
22	Yawman & Erbe Manufacturing Co	Files .....	.75
29	A. K. Mlodziansky	Traveling expenses	78.10
30	Library Bureau	Cards	6.00
	A. K. Mlodziansky et al	Salaries	413.18
Dec. 2	Chas. Fischer	Scales	5.00
	Jno. W. Heston	Acorns	1.50
	V. Fabian	Rule, etc	12.75
	Gifford Pinchot	Expenses	1.20
3	A. K. Mlodziansky	Traveling expenses	59.45
5	Colclesser Bros.	Tomahawk	1.40
6	Surry Parker	Services	25.00
	O. J. J. Luebker	Traveling expenses	22.75
8	Louisville and Nashville R. R. Co	Passenger transportation	6.26
	Pullman Palace Car Co	do	2.00
12	Gifford Pinchot	Traveling expenses	51.05
	Henry S. Graves	do	80.86
15	J. W. Heston	Expenses	16.30
19	Pennsylvania R. R. Co	Passenger transportation	10.00
	Illinois Central R. R. Co	do	9.80
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	8.10
	Boston and Maine R. R. Co	do	3.32
	J. C. Whitten	Tree seed	5.15
20	Patterson Bros.	Hatchets	12.00
	Chas. Mohr	Salary	122.20
	E. M. Griffith	Monograph on the hemlock	200.00
22	Library Bureau	Cards	3.00
	O. J. J. Luebker	Expenses	39.99
31	A. K. Mlodziansky et al	Salaries	405.24
	Total second quarter		3,160.08
1899.			
Jan. 3	G. E. MacLean	Expenses	9.98
5	R. S. Hosmer	Traveling expenses	7.25
6	Wilmington and Weldon R. R. Co	Passenger transportation	2.50
	Pennsylvania Co	do	17.50
7	Southern Rwy Co	do	2.50
12	Chas. Mohr	Salary	126.40
17	L. L. Foster	Labor, planting trees	28.50
	Surry Parker	Expenses	45.00
	A. K. Mlodziansky	Traveling expenses	36.50
21	E. M. Tilden	Type	1.04
24	A. M. Collins Manufacturing Co	Mounting photos	48.75
28	Fredk. Springmann	Transportation	1.95
	Adams Express Co	do	2.45
30	Nashville, Chattanooga and St. Louis Rwy. Co.	Passenger transportation	2.25
	Wilmington and Weldon R. R. Co	do	8.95
31	A. K. Mlodziansky et al	Salaries	435.52
Feb. 1	H. G. Chesson	Services	8.00
	Chicago Great Western Rwy. Co.	Passenger transportation	5.31
	Keuffel & Esser Co	Caliper	7.90
	Yawman & Erbe Manufacturing Co	Files	2.25
3	Geo. E. Morrow	Expenses	11.89
	W. W. Ashe	Traveling expenses	24.25
	do	do	15.50
	do	do	10.00
6	Library Bureau	Index cards	16.75
	C. E. Wise	File holders	27.00
8	H. E. Glazier	Tree seeds	12.25
10	R. V. Waters	Services	35.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

FOREST INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 16	A. K. Mlodziansky	Traveling expenses	\$78.01
	J. A. Caldwell	do	17.40
	W. W. Ashe	do	18.40
21	G. F. Schwarz	Salary	12.50
23	R. V. Waters	Services	28.75
	A. K. Mlodziansky	Traveling expenses	49.51
25	E. J. Pullman	Photo supplies	66.80
27	Chas. Mohr	Salary	129.20
28	Wilmington and Weldon R. R. Co	Passenger transportation	2.50
	Pullman Palace Car Co	do	2.00
	Pennsylvania R. R. Co	do	20.00
	A. K. Mlodziansky et al	Salaries	488.83
Mar. 1	R. Douglas Sons	Tree-planting experiments	167.15
2	Chas. A. Keffer	Traveling expenses	43.85
	G. F. Schwarz	Salary	58.30
4	J. A. Caldwell, jr	do	32.84
	do	Traveling expenses	33.88
	C. A. Schenck	Salary	115.09
7	Library Bureau	Index cards	3.00
9	H. B. Ayres	Traveling expenses	54.50
	Houghton & Delano	Camera, etc.	22.00
	Rudolph, West & Co	Picture hooks	.80
11	Fred. A. Schmidt	Pocket aneroids	95.40
	B. Shinek	Traveling expenses	70.05
13	J. M. Tanner	Expenses	29.70
	G. F. Schwarz	Traveling expenses	35.45
	do	do	14.50
15	Chas. Mohr	Salary	116.60
	F. A. Schmidt	Compasses	39.00
16	The Post-Office Department	Maps	18.40
17	E. J. Pullman	Films	62.40
	W. H. Veerhoff	Molding	7.35
	C. A. Schenck	Traveling expenses	27.65
	do	do	3.80
22	Colcesler Bros	Tomahawks	14.16
	Henry S. Graves	Traveling expenses	68.11
31	A. K. Mlodziansky et al	Salaries	503.68
	Total third quarter		3,504.10
Apr. 1	Thos. E. Will	Expenses	19.97
3	R. S. Hosmer	Traveling expenses	5.00
4	Fred. A. Schmidt	Section paper, etc	28.35
6	E. J. Brooks & Co	Numbering machine	8.40
7	W. W. Ashe	Traveling expenses	27.78
10	Jas. S. Topham	Cases and belts	17.00
	Houghton & Delano	Camera	50.00
11	Library Bureau	Cards	1.20
12	Mackall Bros	Plasters	.50
	Houghton & Delano	Tripod	2.00
	Chas. Mohr	Salary	129.20
15	Houghton & Delano	Photographic supplies	124.35
19	Treadwell Cleveland, jr	Traveling expenses	12.80
	Ralph S. Hosmer	do	44.65
	G. Fred Schwarz	Salary	64.60
	do	Traveling expenses	52.50
	H. B. Ayres	do	102.41
20	J. W. Toumey	do	49.20
22	Jas. S. Topham	Camera cases	4.00
	Houghton & Delano	Roll holder	5.00
24	Jas. B. Lambie	Wire	.40
	Fred. A. Schmidt	Rules and glass	6.90
25	Pennsylvania R. R. Co	Passenger transportation	3.50
	Baltimore and Ohio R. R. Co	do	25.35
	Wilmington and Weldon R. R. Co	do	1.95
	Atchison, Topeka and Santa Fé Rwy. Co	do	36.30
	Jacksonville, Tampa and Key West Rwy. Co.	do	7.30
	Southern Rwy. Co	do	15.70
27	C. F. Jenkins	Pictures of forests, etc.	34.56
	Fred. A. Schmidt	Tally machines	7.50
28	J. A. Caldwell, jr	Expenses	17.00
	do	Traveling expenses	52.90
	Gifford Pinchot	do	76.91
29	Library Bureau	Pamphlet cases	1.00
	Geo. B. Sudworth et al	Salaries	651.98
May 1	Fred. A. Schmidt	Surveying instruments	88.84
	do	Paper	6.25
2	J. A. Caldwell, jr	Salary	27.19

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

FOREST INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 3	Ralph S. Hosmer	Traveling expenses	\$85.08
4	W. W. Ashe	do	30.00
	Fred. A. Schmidt	Ruling pens, etc	9.70
5	Henry S. Graves	Traveling expenses	74.30
	Ralph S. Hosmer	Expenses	14.00
9	Chas. Mohr	Salary	123.60
	A. E. Cohoon	Traveling expenses	17.77
	J. A. Caldwell, jr.	Expenses	10.50
11	G. F. Schwarz	do	2.50
	do	Salary	51.51
	do	Traveling expenses	74.53
	O. J. J. Luebker	do	113.85
13	Justina R. Hill	Report on Forestry in Porto Rico.	300.00
15	Jno. C. Parker	Perforating silk, etc.	4.70
	Houghton & Delano	Photo supplies	41.85
16	A. E. Ames	Traveling expenses	19.52
	Gifford Pinchot	do	90.14
	do	do	18.20
	do	Telegrams	.75
17	C. Francis Jenkins	Films	49.73
	E. J. Pullman	Photo supplies	9.00
	The White, Corbin Co.	Envelopes	21.30
18	H. B. Ayres	Expenses for assistants, Jan. to Apr., 1899.	118.62
31	R. S. Hosmer et al	Salaries	605.89
June 1	Fred. A. Schmidt	Millimeter paper	9.00
	do	Engraving instruments	5.04
	W. H. Veerhoff	Picture molding	4.80
	Henry H. Brown	Ground glass	.75
	O. J. J. Luebker	Services of 3 men	7.05
2	C. A. Schenck	do	43.87
	do	do	11.11
	The Wabash R. R. Co.	Passenger transportation	5.15
	Savannah, Florida and Western Rwy. Co.	do	30.25
	Chesapeake and Ohio Rwy. Co.	do	28.00
	Thos. Meehan & Sons	Tree seed	1.55
	Library Bureau	Index cards	6.00
8	H. S. Graves	Traveling expenses	29.40
9	O. J. J. Luebker	do	29.85
13	Clarence E. Wise	Instrument cases	16.50
	E. Morrison Paper Co	Filing jackets	6.00
	Fred. A. Schmidt	Measuring tape	26.10
	Houghton & Delano	Films	10.80
	G. E. Morrow	Labor	4.55
	H. M. Curran	Traveling expenses	21.30
	Bausch & Lomb Optical Co	Field glasses	56.25
	Henry S. Graves	Traveling expenses	29.30
16	L. L. Foster	Expenses, labor	31.00
	Chas. Mohr	Salary	127.80
	Jno. Foley	Traveling expenses	14.55
	Alfred Gaskill	do	19.40
17	J. W. Toumey	Salary	272.08
19	Smith Riley	Traveling expenses	12.55
20	H. S. Graves	do	54.16
21	Geo. E. MacLean	Expenses	33.50
22	H. B. Ayres	Traveling expenses	73.23
	A. E. Ames	Services	44.56
	Hugh McC. Curran	do	48.68
	A. E. Cohoon	do	44.56
	W. W. Ashe	do	85.00
	do	do	39.67
	Bausch & Lomb Optical Co	Diaphragm shutters	220.48
23	Chicago and Northwestern Rwy. Co.	Passenger transportation	13.70
	International and Great Northern R. R. Co.	do	2.45
	New York, New Haven and Hartford R. R. Co.	do	11.50
	Atchison, Topeka and Santa Fé Rwy. Co.	do	13.63
	Illinois Central R. R. Co.	do	20.40
24	Fred. A. Schmidt	Paper and glasses	17.55
	do	Glasses, tapes, etc	13.95
	Wm. L. Dunham	Tape ends	10.00
	C. F. Jenkins	Pictures	47.64
	Houghton & Delano	Cameras, etc	208.06
	do	do	54.60
26	J. W. Toumey	Traveling expenses	225.67
27	Southern Rwy. Co.	Passenger transportation	6.20
	do	do	8.45
	Galveston, Harrisburg and San Antonio Rwy. Co.	do	20.80

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

FOREST INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
June 27	New York, New Haven and Hartford R. R. Co.	Passenger transportation	\$12.25
	New York Central and Hudson River R. R. Co.	do	6.20
	Baltimore and Ohio R. R. Co.	do	35.85
	Pennsylvania R. R. Co.	do	52.76
	do	do	35.25
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	8.40
	Duluth, South Shore and Atlantic Rwy. Co.	do	11.97
	Michigan Central R. R. Co.	do	14.25
28	Burlington and Missouri River R. R. in Nebraska.	do	5.80
	Atlantic and North Carolina R. R. Co.	do	6.20
29	Jas. S. Topham	Cases	46.00
	Henry S. Graves	Traveling expenses	21.15
30	R. S. Hosmer et al.	Salaries	882.31
	J. W. Toumey	Salary	148.30
	Total, fourth quarter		7,162.61
	<i>Supplemental.</i>		
July 1	W. W. Ashe	Traveling expenses	73.56
3	Jno. Foley	do	39.87
5	O. J. J. Luebker	do	12.65
6	Henry Grinnell	do	24.99
	Flint and Pere Marquette R. R. Co.	Passenger transportation	2.91
	Gamaliel Jenkins	Rules for computing	10.00
	E. J. Pullman	Photo materials	117.41
8	O. W. Price	Salary	59.30
10	Henry Grinnell	do	24.70
11	C. E. Wise	Holders, etc.	24.50
	O. J. J. Luebker	Expenses	202.80
12	A. W. Dennis	Photos	17.00
	United States Express Co	Transportation	1.55
17	O. J. J. Luebker	Expenses	133.25
18	H. McC. Curran	Salary	24.70
	do	Traveling expenses	11.15
	do	Expenses	6.00
	Anson E. Cohoon	Traveling expenses	25.79
	Melville Lindsay	Navy bags	16.00
19	Easton & Rupp	Fountain pen	4.00
	O. W. Price	Traveling expenses	41.10
	do	do	65.36
	Gifford Pinchot	do	34.75
	do	do	22.15
	Morris de Turk High	Salary	4.12
	Edw. T. Grandleopard	do	4.12
	J. A. Caldwell, jr.	do	15.19
	C. A. Schenck	do	50.30
22	Chas. Mohr	do	123.60
	Geo. E. MacLean	Expenses	58.43
	Gardner & Son	do	25.00
25	C. A. Schenck	do	6.37
	do	do	60.00
	do	do	64.50
	Jno. W. Heston	do	218.70
28	Morris De Turk High	Traveling expenses	29.51
	E. T. Grandleopard	do	16.69
	L. L. Foster	Expenses	48.50
	G. E. Morrow	do	5.00
	Patterson Bros	Hatchets	21.60
	A. E. Cohoon	Salary	24.70
	Fred. A. Schmidt	Blue-print paper .....	.66
29	H. McC. Curran	Traveling expenses	2.06
Aug. 1	Fred. A. Schmidt	Chains	24.75
2	Alfred Gaskill	Salary	43.52
	do	Expenses	13.05
	A. E. Cohoon	do	6.35
	A. E. Ames	Traveling expenses	24.65
	Keuffel & Esser Co.	Calipers, etc	184.45
	Thos. Meehan & Sons	Seeds .....	.62
3	Pennsylvania R. R. Co.	Passenger transportation	16.50
	Colorado and Southern Rwy. Co.	do	17.00
	New York Central and Hudson River R. R. Co.	do	22.35
	Union Pacific R. R. Co.	do	21.89
	Chesapeake and Ohio Rwy. Co.	do	22.50
	Pennsylvania Co.	do	10.95

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

FOREST INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
Aug. 4	Chicago, St. Paul, Minneapolis and Omaha R. R. Co.	Passenger transportation	\$13.40
5	A. E. Ames	Salary	24.70
7	C. A. Schenck	Traveling expenses	75.60
	do	Expenses	25.80
10	Jas. S. Topham	Map case, etc	10.00
	Richard T. Fisher	Traveling expenses	243.35
11	Jno. C. Parker	Gummed paper	16.00
12	A. E. Ames	Expenses	9.00
14	Wm. L. Dunham	Measures	21.00
	J. A. Caldwell, jr.	Traveling expenses	17.86
	E. J. Pullman	Plate holders	9.03
16	Alfred Gaskill	Traveling expenses	77.70
	T. O. Hutchinson	Pictures	1.00
19	C. H. Shinn	Services	75.00
24	A. C. Cohoon	Traveling expenses	27.10
Sept. 5	Frazier Curtis	Services	9.07
	E. J. S. Moore	do	9.07
	R. T. Fisher	do	9.07
6	A. E. Ames	Traveling expenses	26.34
	Baltimore and Ohio R. R. Co.	Passenger transportation	160.25
	Chicago and Northwestern Rwy. Co.	do	15.32
	Nashville, Chattanooga and St. Louis Rwy. Co.	do	6.00
	Great Northern Rwy. Co.	do	10.39
	Seattle and International Rwy. Co.	do	5.85
	Wisconsin Central Lines	do	5.26
	Atlantic Coast Line R. R. of Virginia	do	12.45
9	H. B. Ayres	Traveling expenses	20.55
19	Southern Pacific Co.	Passenger transportation	51.50
	do	do	65.25
Oct. 12	The White, Corbin & Co.	Envelopes	10.65
20	A. E. Ames	Expenses	10.50
Nov. 1	N. T. Arnold	Cultivating trees	63.00
6	Atchison, Topeka and Santa Fé Rwy. Co.	Transportation	6.42
	Total		3,324.60

RECAPITULATION.

First quarter	\$1,950.88
Second quarter	3,160.08
Third quarter	3,504.10
Fourth quarter	7,162.61
Supplemental	3,324.60
Total	19,102.27

EXPERIMENTAL GARDENS AND GROUNDS.

Date.	Name.	Nature of payment.	Total.
1898.			
July 8	Christopher Hayes	Packing moss	\$20.00
16	Nathan Sickle	Tobacco stems	24.30
	Christopher Hayes	Packing moss	40.00
19	Wm. Wilson	Potting soil	14.40
25	Paul Hiser, jr., & Bro.	Flowerpots	4.88
26	Christopher Hayes	Potting fibers	12.00
30	Jas. K. Kerr et al	Salaries	1,667.60
Aug. 9	Christopher Hayes	Packing moss	40.00
20	do	do	20.00
23	Church & Stephenson	Lumber	85.89
30	Christopher Hayes	Packing moss	20.00
31	Jas. K. Kerr et al	Salaries	1,675.70
Sept. 14	Jos. P. Brass	Sand	10.00
17	Christopher Hayes	Peat	12.00
30	Jas. K. Kerr et al	Salaries	1,557.10
	Total first quarter		5,203.87
Oct. 1	Rudolph, West & Co.	Iron for blacksmith shop	2.94
	Paul Hiser, jr., & Bro.	Flowerpots	16.00
	Jas. B. Lambie	Forks	3.60

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

EXPERIMENTAL GARDENS AND GROUNDS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 1	F. P. May & Co.	Tools for blacksmith shop.....	\$4.69
	Hugh Reilly.....	Paint.....	1.25
	Church & Stephenson.....	Lumber.....	5.00
	Francis Miller.....	Paint.....	1.30
	W. J. Brooke & Co.....	Fruit baskets.....	7.80
	Christopher Hayes.....	Packing moss.....	20.00
	Chas. Becker.....	White lead.....	32.45
3	Caldwell Lawn Mower Co.....	Lawn mower.....	90.00
14	Church & Stephenson.....	Lumber.....	32.25
	Rudolph, West & Co.....	Iron for blacksmith shop.....	1.06
22	Geo. F. Muth & Co.....	Turpentine, etc.....	21.42
26	Charles White.....	Manure.....	6.00
31	Jas. K. Kerr et al.....	Salaries.....	1,523.20
Nov. 3	Thos. Somerville & Sons.....	Lawn mower.....	2.05
16	Church & Stephenson.....	Lumber.....	11.83
30	Jas. K. Kerr et al.....	Salaries.....	1,477.00
Dec. 2	Jas. B. Lambie.....	Shears, etc.....	3.20
	Rudolph, West & Co.....	Chain shovels, etc.....	8.84
14	Church & Stephenson.....	Lumber.....	9.00
20	P. J. Berckmans Co.....	Roses.....	24.00
	W. H. Manda.....	Lily of the valley pips.....	38.00
21	E. S. Schmid.....	Labels.....	14.25
	Church & Stephenson.....	Lumber.....	1.50
	F. A. Schmidt.....	Manila paper.....	9.25
31	Jas. K. Kerr et al.....	Salaries.....	1,578.20
	Total second quarter.....		4,946.65
1899.			
Jan. 4	F. P. May & Co.	Wire cloth.....	8.64
	.....do.....	Files.....	.56
9	J. P. Brass.....	Sand.....	7.50
12	Geo. W. Knox Express Co.....	Transportation.....	8.57
13	H. C. Jones.....	Manure.....	59.00
20	C. Becker.....	Cart collar.....	5.50
31	Jas. K. Kerr et al.....	Salaries.....	1,699.59
Feb. 17	J. W. Harris et al.....	Labor.....	9.00
28	Jas. K. Kerr et al.....	Salaries.....	1,584.14
Mar. 3	Henry A. Dreer, Incorporated.....	Flower seeds.....	82.00
	W. H. Butler.....	Glass for greenhouse.....	28.00
9	Rudolph, West & Co.....	Copper wire.....	10.71
17	Church & Stephenson.....	Lumber.....	23.75
	Christopher Hayes.....	Wood mold.....	12.00
31	Jas. K. Kerr et al.....	Salaries.....	1,593.08
	Total third quarter.....		5,072.04
Apr. 3	Valentine Ruebsam.....	Manure.....	18.00
12	Paul Hiser, jr., & Bro.....	Flowerpots.....	39.80
15	W. J. Brooke & Co.....	Grass seed.....	10.00
17	Church & Stephenson.....	Lumber.....	11.50
	Nathan Sickle.....	Tobacco stems.....	25.00
	H. H. Berger & Co.....	Palm seeds.....	10.00
18	Rudolph, West & Co.....	Hardware.....	8.08
	Edw. S. Schmid.....	Extract tobacco.....	5.00
29	H. A. Dreer, Incorporated.....	Plants.....	4.75
	Jas. K. Kerr et al.....	Salaries.....	1,301.40
May 4	Jas. B. Lambie.....	Glue, etc.....	2.75
6	Christopher Hayes.....	Packing moss.....	20.00
29	Joseph Mathy.....	Tin roofing, etc.....	83.28
31	Jas. K. Kerr et al.....	Salaries.....	1,345.40
June 22	Henry A. Dreer, Incorporated.....	Seeds.....	2.74
24	John Boyle.....	Arbor-vita, spruce, etc.....	24.20
	W. H. Butler.....	Glass.....	16.80
	Thos. Somerville & Sons.....	Pipe, etc.....	32.96
	Adams Express Co.....	Transportation.....	1.00
29	Hugh Reilly.....	Paint.....	4.00
30	Jas. K. Kerr et al.....	Salaries.....	1,291.42
	Total fourth quarter.....		4,258.08
	Supplemental.		
1899.			
July 7	Paul Hiser, jr., & Bro.....	Flowerpots.....	47.50
11	Fred. A. Schmidt.....	Manila paper.....	14.80
	Edw. S. Schmid.....	Labels.....	19.50
	.....do.....	Bulbs.....	12.50
	.....do.....	Labels.....	2.00
18	Jas. B. Lambie.....	Garden tools.....	19.26
	Melville Lindsay.....	Hose.....	110.75
19	Rudolph, West & Co.....	Lawn mowers, etc.....	67.49

54 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

EXPERIMENTAL GARDENS AND GROUNDS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
July 19	F. P. May & Co	Files	\$0.95
28	Church & Stephenson	Lumber	80.50
Aug. 14	Geo. F. Muth & Co	Putty, etc	2.70
16	Adams Express Co	Transportation	1.80
	do	do	.70
21	Chas. Becker	White lead	15.42
Oct. 18	Adams Express Co	Transportation	3.15
	Total		399.02

RECAPITULATION.

First quarter	\$5,203.87
Second quarter	4,946.65
Third quarter	5,072.04
Fourth quarter	4,258.08
Supplemental	399.02
Total	19,879.66

SOIL INVESTIGATION.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	Frank D. Gardner et al	Salaries	\$458.20
Aug. 9	Junius Robinson	Labor	10.00
19	Washington Gas Light Co	Gas	7.90
24	Milton Whitney	Traveling expenses	9.30
31	F. D. Gardner et al	Salaries	458.20
Sept. 14	Junius Robinson	Labor	10.00
16	Frank D. Gardner	Traveling expenses	1.45
	do	do	17.34
20	B. F. T. Bell	Moisture apparatus	.75
22	Rodolfo Adams et al	Pay roll, soil observers	150.50
26	Library Bureau	Cards	7.40
30	F. D. Gardner et al	Salaries	443.60
	Total first quarter		1,574.64
Oct. 1	Fred A. Schmidt	Celluloid	1.62
	Royce & Marean	Splicing compound	.40
	Washington Gas Light Co	Gas	7.60
6	Elmer G. Willyoung & Co	Wire	1.25
	Queen & Co., Incorporated	Electrolytic cells	6.75
	Fredk. Carl	Construction of apparatus	33.15
	Junius Robinson	Labor	10.00
8	Milton Whitney	Traveling expenses	8.85
14	Rudolph, West & Co	Emery paper	.15
	Washington Gas Light Co	Gas	5.60
17	Rodolfo Adams et al	Pay roll, soil observers	123.25
18	The Okonite Co	Wire	1.50
	do	do	.70
19	L. J. Briggs	Traveling expenses	19.00
21	Junius Robinson	Labor	4.84
22	Z. D. Gilman	Lime	1.44
	F. P. May & Co	Gauge	1.80
	Milton Whitney	Traveling expenses	16.59
23	Thos. H. Means	do	57.53
23	M. Du Perow	Electric supplies	3.80
31	F. D. Gardner et al	Salaries	458.20
Nov. 1	Rodolfo Adams et al	Pay roll, soil observers	38.75
	Western Electric Co	Carbon plates	17.01
3	Eugene Munsell & Co	Mica	1.25
	Thos. Somerville & Sons	Labor, etc	2.70
8	Washington Gas Light Co	Gas	7.30
	F. D. Gardner	Traveling expenses	3.51
10	Ralph S. Hosmer	do	2.15
14	F. D. Gardner	do	20.46
16	E. J. Pullman	Plates	1.50
	Doremus & Just Co	Wire	1.00
	James B. Lambie	do	.30

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

SOIL INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Nov. 16	Thos. Somerville & Sons	Boiler compound	\$5.00
	Thos. H. Means	Traveling expenses	61.85
30	F. D. Gardner et al	Salaries	487.13
Dec. 1	Jno. T. Springman, jr., & Bro.	Grate bars	16.00
2	Barber & Ross	Scale	2.00
	Fred A. Schmidt	Steel tapes, etc	6.77
	Jas. B. Lambie	Platers' brass, etc	2.46
	M. Du Perow	Buzzers	1.40
	Louis Hartig	Saw blades	.57
	M. A. Abalo et al.	Pay roll, soil observers	31.00
10	Washington Gas Light Co	Gas	13.90
14	F. P. May & Co	Files	.50
	M. Du Perow	Insulator	3.00
22	Thos. H. Means	Traveling expenses	51.80
31	F. D. Gardner et al	Salaries	599.70
	Total second quarter		2,143.03
1899.			
Jan. 4	E. J. Pullman	Photograph supplies	7.80
	United States Express Co	Transportation	2.75
5	Wallace Bros	Platinum prints	2.60
	Library Bureau	Cards	6.40
12	Z. D. Gilman	Nitrate silver	1.84
	Fredk. Carl	Making apparatus	6.90
24	Eimer & Amend	Laboratory supplies	35.85
	Library Bureau	Cards	7.60
25	Milton Whitney	Transportation	21.10
28	Washington Gas Light Co	Gas	17.30
	Adams Express Co	Transportation	2.85
31	F. D. Gardner et al	Salaries	613.10
Feb. 1	B. H. Guerry et al.	Pay roll, soil observers	18.75
	Thos. Somerville & Sons	Supplies and services	8.70
3	United States Express Co	Transportation	1.20
8	M. Du Perow	Batteries	2.04
10	Thos. Somerville & Sons	Making brass, etc	8.00
21	Kny Scheerer Co	Glass tubing	6.25
25	C. E. McCoy	Goulds packing	6.00
	Washington Gas Light Co	Gas	15.20
	Thos. Somerville & Sons	Soil sampler	8.61
	do	do	2.68
	Rudolph, West & Co.	Screws	1.05
27	Missouri, Kansas and Texas R. R. Co	Transportation	.94
28	Pennsylvania R. R. Co	Passenger transportation	22.65
	Florida Central and Peninsular R. R. Co	do	7.10
Mar. 1	F. D. Gardner et al	Salaries	553.80
	Schneider Bros	Psychrometers	5.00
	Pennsylvania R. R. Co	Passenger transportation	8.00
	Florida Central and Peninsular R. R. Co	do	27.85
2	Whitall, Tatum & Co	Flasks	2.20
	A. P. Lang & Co.	Papering room	6.50
11	M. Du Perow	Flex. tube	1.25
14	Eimer & Amend	Alcohol lamps	7.85
	Z. D. Gilman	Tubes	3.00
	B. F. T. Bell	Wire spools	.75
	Frederick Carl	Labor and material construct- ing switches.	11.20
	United States Express Co	Transportation	2.15
15	Washington Gas Light Co	Gas	14.50
16	New York, New Haven and Hartford R. R. Co.	Passenger transportation	8.75
17	Fredk. Carl	Mercury cups, etc	4.00
20	E. J. Pullman	Photograph supplies	42.30
24	J. T. Springmann	Repairs to boiler	1.50
29	Thos. Somerville & Son	Making brass tubes	4.43
31	F. D. Gardner et al	Salaries	613.10
	Total third quarter		2,153.39
Apr. 1	W. & L. E. Gurley	Compass and level	30.65
10	B. F. T. Bell	Wire spools	3.00
	Church & Stephenson	Lumber	2.60
	Woodward & Lothrop	Jars	10.00
11	Library Bureau	Cards	2.25
	The Okonite Co	Wire	8.25
12	Fredk. Carl	Cells, etc	86.90
15	Z. D. Gilman	Casseroles, etc	19.16
	Farrow Arms Co.	Mercury cups	5.00
	Mackall Bros	Soda, etc	2.35
	Washington Gas Light Co	Gas	12.10
22	Fredk. Carl	Brass rings	8.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

SOIL INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 24	F. P. May & Co	Balance and tapeline	\$2.50
	The Geo. W. Knox Express Co	Drayage	.25
25	Pennsylvania R. R. Co	Passenger transportation	111.30
29	F. D. Gardner et al	Salaries	586.80
May 3	Chicago and North Western Rwy. Co	Transportation	.45
	Baltimore and Ohio R. R. Co	do	2.23
12	Frank D. Gardner	Traveling expenses	69.40
	Thos. H. Means	do	107.65
17	Western Electric Co	Hydrometers	192.50
	Emil Greiner	Casseroles	2.55
23	Thos. Somerville & Son	Wrenches	2.50
	Z. D. Gilman	Stoppers, tubing and corks	6.36
24	Washington Gas Light Co	Gas	10.69
31	F. D. Gardner et al	Salaries	606.40
June 1	Fred A. Schmidt	Level	5.40
	Z. D. Gilman	Flasks, etc	77.45
2	Milton Whitney	Traveling expenses	3.10
9	Frank D. Gardner	do	50.80
	Thos. H. Means	do	100.00
13	Frederick Carl	Brass caps	4.90
17	Baltimore and Ohio R. R. Co	Transportation	1.08
20	Rudolph, West & Co	Locks, etc	11.70
24	Washington Gas Light Co	Transportation	7.50
	Adams Express Co	do	2.30
	do	do	2.30
26	Milton Whitney	Traveling expenses	66.10
27	Southern Rwy. Co	Passenger transportation	38.30
	Texas and Pacific Rwy. Co	do	9.40
29	Jas. B. Lambie	Glue	.95
	Jas. S. Topham	Leather handles, etc	1.50
	W. C. Newton & Co	Electro	1.25
	Chicago, Burlington and Quincy R. R. Co	Transportation	2.68
	do	do	.89
	Baltimore and Ohio R. R. Co	do	1.08
30	F. D. Gardner et al	Salaries	586.80
	Total fourth quarter		2,862.23
	<i>Supplemental.</i>		
July 1	Eimer & Amend	Iron wire	.60
11	E. J. Pullman	Plates	5.25
12	Jas. G. Biddle	Condenser	65.00
	do	Repairing galvanometer	1.60
	United States Express Co	Transportation	3.70
18	Thos. H. Means	Traveling expenses	92.05
	Frank D. Gardner	do	41.45
21	Washington Gas Light Co	Gas	6.60
28	Church & Stephenson	Lumber	145.28
	Thos. Somerville & Sons	Fire brick	13.50
Aug. 16	Adams Express Co	Transportation	4.55
	do	do	.50
	Fredk. Carl	Mercury cups	5.15
Sept. 1	Blue Line Transfer Co	Transportation	4.34
	do	Drayage	.50
6	Missouri, Kansas and Texas Rwy. Co	Passenger transportation	21.55
	The Wabash R. R. Co	do	27.75
	Atchison, Topeka and Santa Fé Rwy. Co	do	15.80
20	Royce & Marean	Splicing compound	.40
	Adams Express Co	Transportation	.45
	United States Express Co	do	.40
	Chicago and Northwestern Rwy. Co	do	.15
	Pennsylvania R. R. Co	do	1.00
Oct. 18	Adams Express Co	do	1.15
	do	do	7.35
	The Geo. W. Knox Express Co	do	.70
Nov. 6	Chicago and Northwestern Rwy. Co	do	.15
	Total		466.92

RECAPITULATION.

First quarter	\$1,574.64
Second quarter	2,143.03
Third quarter	2,153.39
Fourth quarter	2,862.23
Supplemental	466.92
Total	9,200.21

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

SOILS—RENT OF BUILDINGS.

Date.	Name.	Nature of payment.	Total.
1898.			
Aug. 3	Jno. F. Shea	Rent of laboratory	\$55.00
Sept. 15	do	do	55.00
	Total first quarter		110.00
Oct. 1	Jno. F. Shea	Rent of laboratory	55.00
Nov. 3	do	do	55.00
Dec. 2	do	do	55.00
	Total second quarter		165.00
1899.			
Jan. 5	Jno. F. Shea	Rent of laboratory	55.00
Feb. 4	do	do	55.00
Mar. 3	do	do	55.00
	Total third quarter		165.00
Apr. 3	Jno. F. Shea	Rent of laboratory	55.00
May 4	do	do	55.00
June 13	do	do	55.00
	Total fourth quarter		165.00
	<i>Supplemental.</i>		
July 11	Jno. F. Shea	Rent of laboratory	55.00

RECAPITULATION.

First quarter	\$110.00
Second quarter	165.00
Third quarter	165.00
Fourth quarter	165.00
Supplemental	55.00
Total	660.00

GRASS AND FORAGE-PLANT INVESTIGATION.

Date.	Name.	Nature of payment.	Total.
1898.			
July 15	F. L. Scribner	Traveling expenses	\$21.05
25	H. H. Brown	Camera	25.90
30	L. S. Williams et al	Salaries	344.30
Aug. 3	Ernst A. Bessey	Salary	32.26
	E. J. Pullman	Films, etc.	11.00
5	F. L. Scribner	Expenses	9.93
	do	Traveling expenses	49.50
	Robt. Combs	Salary	74.19
9	The Smith Premier Typewriter Co	Typewriter	92.25
12	C. R. Ball	Salary	45.16
	David Griffiths	do	58.06
	E. Morrison Paper Co	Herbarium paper	22.45
	do	Binder's board, etc	15.00
16	C. R. Ball	Traveling expenses	18.05
18	C. L. Shear	do	81.93
	Robt. Combs	do	83.65
19	Z. D. Gilman	Drugs .....	.35
	Rudolph, West & Co	Chisels	2.10
23	Jno. C. Parker	Copyholder	3.00
25	E. J. Pullman	Films	10.80
	E. Morrison Paper Co	Paper	2.50
27	E. J. Pullman	Photograph work .....	.80
31	L. S. Williams et al	Salaries	335.27
Sept. 2	C. R. Ball	Salary	100.00
	Ernst A. Bessey	do	50.00
6	Thos. A. Williams	Traveling expenses	68.20
9	Robt. Combs	Salary	100.00
10	H. L. Bentley	Expenses	14.45
13	J. G. Smith	Traveling expenses	17.25
14	Chicago and North-Western Rwy. Co	Passenger transportation	1.11
	C. R. Ball	Traveling expenses	60.80
	Robt. Combs	do	139.80
	Florida Central and Peninsular R. R. Co.	Passenger transportation	8.80

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

GRASS AND FORAGE-PLANT INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 14	Pennsylvania R. R. Co	Passenger transportation	\$104.30
	Burlington and Missouri River R. R. Co	do	62.70
16	F. L. Scribner	Traveling expenses	93.50
	do	Expenses	6.20
20	C. L. Shear	Traveling expenses	139.39
	do	do	63.00
	do	Expenses	.50
22	Library Bureau	Cards	17.85
	David Griffiths	Salary	100.00
23	Chesapeake and Ohio Rwy. Co	Passenger transportation	3.50
	Denver, Leadville and Gunnison Rwy. Co	do	16.00
	Denver and Rio Grande R. R. Co	do	16.00
	Adams Express Co	Transportation	1.80
26	Florida Central and Peninsular R. R. Co	Passenger transportation	28.90
27	T. A. Williams	Traveling expenses	127.20
30	L. C. Hill et al	Salaries	222.20
	Total first quarter		2,902.95
Oct. 1	E. J. Pullman	Films	10.80
	Maurice Joyce Engraving Co	Electrotypes	1.24
	Southern Rwy. Co	Passenger transportation	16.10
	C. R. Ball	Salary	60.00
	do	Traveling expenses	39.85
3	Robert Combs	Salary	100.00
5	A. H. Baldwin	Drawings	16.00
6	E. A. Bessey	Salary	50.00
7	T. A. Williams	Expenses	5.95
11	David Griffiths	Salary	100.00
	do	Expenses	29.03
14	United States Express Co	Transportation	16.20
19	David Griffiths	Salary	45.16
	H. L. Bentley	Expenses	15.50
20	Robt. Combs	Traveling expenses	154.10
	H. H. Brown	Finder	5.00
22	A. B. Leckenby	Services	24.40
	H. L. Bentley	do	75.00
24	The Wabash R. R. Co	Passenger transportation	9.87
	Illinois Central R. R. Co	do	16.00
	Great Northern Rwy. Co	do	3.00
	Texas Pacific Rwy. Co	do	1.25
	Louisville and Nashville R. R. Co	do	25.80
29	E. A. Bessey	Salary	17.74
	A. H. Baldwin	Drawings	7.25
	do	do	17.00
	L. C. Hill et al	Salaries	226.40
Nov. 1	Robt. Combs	Services	25.81
3	T. W. Wood & Sons	Clover seed	3.33
9	F. L. Scribner	Traveling expenses	19.55
15	A. B. Leckenby	Salary	25.30
16	E. J. Pullman	Photograph supplies	15.80
	M. G. Copeland & Co	Canvas sheet	5.50
	G. N. Collins	Specimens	2.00
30	L. C. Hill et al	Salaries	222.20
Dec. 2	Henry H. Brown	Trimming board	10.00
	Peter Henderson & Co	Seeds	1.36
8	The Denver, Leadville and Gunnison Rwy. Co	Passenger transportation	16.80
	Kansas City, Watkins and Gulf Rwy. Co	do	3.00
	The Denver and Rio Grande R. R. Co	do	6.30
	Florida Central and Peninsular R. R. Co	do	13.00
	Burlington and Missouri River R. R. in Nebraska	do	95.15
	Southern Pacific Co	do	7.09
	Baltimore and Ohio R. R. Co	do	17.50
10	Mackall Bros	Chloride gold	.60
12	A. B. Leckenby	Salary	24.40
15	H. L. Bentley	Expenses	20.79
19	Florida Southern Rwy. Co	Passenger transportation	3.90
	Savannah, Florida and Western Rwy. Co	do	4.90
	Kansas City, Pittsburg and Gulf R. R. Co	do	20.61
	Northern Pacific Rwy. Co	do	96.25
21	E. A. Bessey	Box	.75
23	A. H. Baldwin	Drawings	17.00
31	L. C. Hill et al	Salaries	276.40
	Total second quarter		2,043.93
1899.			
Jan. 4	E. J. Pullman	Solio paper	5.00
5	Peter Henderson & Co	Grass seeds	3.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

GRASS AND FORAGE-PLANT INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 6	Pennsylvania R. R. Co.	Passenger transportation	\$18.55
	Savannah, Florida and Western Rwy. Co.	do	57.10
	New York, New Haven and Hartford Ry. Co.	do	5.55
	Silver Springs, Ocala and Gulf R. R. Co.	do	4.60
7	The Office and Library Co.	Neostyle	45.00
12	H. L. Bentley	Services	75.00
	Z. D. Gilman	Silk isinglass	1.35
	A. H. Baldwin	Drawings	14.00
	The Geo. W. Knox Express Co.	Transportation	1.40
16	E. J. Pullman	Album	4.40
17	A. B. Leckenby	Grass seed	17.50
21	H. H. Brown	Lens	85.00
24	Wm. P. Brooks	Millet seed	18.00
	Seabury & Johnson	Isinglass plaster	3.00
	Ed. S. Hughes & Co.	Netting	28.87
	Jas. K. Metcalfe	Metcalfé bean	100.00
	do	Grass seed	14.00
25	H. H. Brown	Camera, etc.	47.50
	E. Morrison Paper Co.	Herbarium paper	13.47
27	F. Lamson Scribner	Traveling expenses	31.30
28	Adams Express Co.	Transportation	1.50
	do	do	1.30
31	L. C. Hill et al.	Salaries	253.69
Feb. 1	T. W. Wood & Sons.	Grass seed	31.60
	H. C. Jones	Engraving	1.22
	Franklin & Co.	Compass and repairs	8.50
	H. L. Bentley	Salary	25.80
2	A. B. Leckenby	do	51.10
3	M. D. B. Willis	Drawings	3.00
4	Seabury & Johnson	Isinglass plaster	6.00
7	E. J. Pullman	Photograph supplies	5.58
16	Harry C. Jones	Engravings	5.26
	A. B. Leckenby	Traveling expenses	127.25
	do	Collection grasses, etc.	10.72
20	Robt. Combs	Salary	35.48
23	Peter Henderson & Co.	Grass seed	3.40
25	Mackall Bros.	Chloride gold .....	.80
27	Plant Seed Co.	Seeds	1.20
28	Plant Steamship Line	Passenger transportation	2.00
	L. C. Hill et al.	Salaries	216.00
Mar. 2	Southern Rwy. Co.	Passenger transportation	17.50
	Robt. Combs	Salary	100.00
	A. B. Leckenby	do	23.40
	H. L. Bentley	do	23.40
7	Seabury & Johnson	Isinglass plaster	4.50
	Gatchel & Manning	Engraving	6.00
10	Florida Central & Peninsular R. R. Co.	Passenger transportation	5.15
16	Florida East Coast Rwy. Co.	do	25.65
	Yazoo and Mississippi Valley R. R. Co.	do	1.85
17	E. J. Pullman	Photographic supplies	8.50
24	Haller Kemper Co.	Soidal, etc. ....	.90
	P. B. Kennedy	Article on structure grass fruit and plant	125.00
25	Southern Pacific Co.	Passenger transportation	51.05
31	L. C. Hill et al.	Salaries	229.50
	Total third quarter		2,006.89
1899.			
Apr. 1	W. A. Burpee & Co.	Seed and bags	14.99
	H. L. Bentley	Salary	25.80
	A. B. Leckenby	do	25.80
	Robt. Combs	do	100.00
4	Jno. C. Parker	Seed bags	19.07
	Willard Fracker	Neostyle ink, etc.	8.10
12	Henry Evans	Plaster	2.40
	P. Mann & Co.	Bone meal	13.00
	H. H. Brown	Shutter	10.00
15	Mackall Bros.	Gold and sodium .....	.90
	H. H. Brown	Repairing kodaks	7.75
18	Jno. A. Salzer	Seeds	2.25
21	Peter Henderson & Co.	do	36.20
22	E. Morrison Paper Co.	Herbarium paper	13.47
	Peter Henderson & Co.	Seeds	15.60
25	Pennsylvania R. R. Co.	Passenger transportation	6.50
	New York Central and Hudson River R. R. Co.	do	9.25
	Lake Shore and Michigan Southern Rwy. Co.	do	23.20

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

GRASS AND FORAGE-PLANT INVESTIGATION—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 25	Union Pacific R. R. Co.	Passenger transportation	\$44.75
28	A. H. Baldwin	Drawings	28.50
29	L. C. Hail et al	Salaries	263.77
May 2	A. B. Leckenby	Salary	24.70
	do	Photographs	18.50
4	do	Seeds	39.00
9	H. L. Bentley	Expenses	18.25
11	Violet Dandridge	Drawing of grass	1.50
	E. J. Pullman	Photographic supplies	15.43
15	Jno. C. Parker	Seed bags	58.34
16	H. L. Bentley	Salary	24.70
	do	Labor	51.82
	Thos. A. Williams	Traveling expenses	25.50
17	E. J. Pullman	Photographic supplies	8.68
	Henry C. Jones	Engraving	18.31
31	L. C. Hill et al	Salaries	277.80
June 1	The Geo. W. Knox Express Co.	Transportation	.97
2	Harry C. Jones	Engraving	18.28
	J. J. H. Gregory	Beans	6.25
6	A. B. Leckenby	Salary	25.60
	H. L. Bentley	do	25.60
13	E. Morrison Paper Co	Cards	10.00
14	Robt. Combs	Services	36.67
22	H. L. Bentley	Expenses, labor	52.15
23	Library Bureau	Box guides and cards	13.50
	Chicago and Northwestern Rwy. Co.	Passenger transportation	44.45
24	A. H. Baldwin	Drawings	40.00
	The Washington Woodworking Co	Frames, etc	8.00
	C. Becker	Portfolio	4.10
	Adams Express Co.	Transportation	.35
	do	do	.25
26	A. B. Leckenby	Traveling expenses	119.50
27	Baltimore and Ohio R. R. Co.	Passenger transportation	33.15
	Vicksburg, Shreveport and Pacific R. R. Co.	do	2.10
29	F. Lamson Scribner	Traveling expenses	21.45
	Edward Palmer	Specimens	30.00
	E. J. Pullman	Photographic supplies	27.54
30	Thos. A. Williams et al	Salaries	352.73
	Total fourth quarter		2,126.47
	<i>Supplemental.</i>		
July 1	Gatchel & Manning	Engraving	23.50
	do	do	21.50
	do	Prints	19.50
	Seabury & Johnson	Isinglass	4.50
	A. B. Leckenby	Salary	98.90
5	E. Morrison Paper Co	Herbarium paper	13.47
10	H. L. Bentley	Salary	24.70
11	C. L. Shear	Traveling expenses	96.70
12	United States Express Co	Transportation	.90
18	Henry H. Brown	Camera, etc	73.50
20	W. B. Moses & Sons	Carpet felt	10.00
22	A. B. Leckenby	Traveling expenses	51.90
25	H. L. Bentley	Expenses	14.00
Aug. 2	Robt. Combs	do	25.30
	do	Traveling expenses	93.35
3	Pennsylvania R. R. Co	Passenger transportation	17.50
3	Florida Central and Peninsular R. R. Co.	Passenger transportation	7.40
16	Adams Express Co	do	1.25
	do	do	2.78
21	C. Becker	Straps	2.00
31	F. L. Scribner	Traveling expenses	7.30
Sept. 1	A. B. Leckenby	do	48.35
	Blue Line Transfer Co.	Transportation	.28
6	Baltimore and Ohio R. R. Co.	Passenger transportation	74.00
	Oregon R. R. and Navigation Co.	do	63.00
	Southern R. R. Co.	do	14.20
20	United States Express Co	Transportation	8.79
Oct. 4	E. J. Pullman	Photographic supplies	11.65
18	Adams Express Co.	Transportation	.63
	do	do	2.25
	The Geo. W. Knox Express Co.	do	.38
Nov. 6	A. B. Leckenby	Express	30.00
	Total		863.48

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

RECAPITULATION.

First quarter	\$2,902.95
Second quarter	2,043.93
Third quarter	2,006.89
Fourth quarter	2,126.47
Supplemental	863.48
Total	<u>9,943.72</u>

IRRIGATION INFORMATION.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	Jas. R. Covert	Salary	\$84.20
Aug. 5	W. H. Beal	Traveling expenses	39.20
12	B. C. Buffum	do	20.30
	Geo. L. Svendsen	do	11.00
	L. G. Carpenter	do	12.05
	Luther Foster	do	57.70
19	E. W. Hilgard	do	39.70
24	J. M. Wilson	do	23.80
25	E. J. Pullman	Seed plates	21.00
27	Anna Morley	Services	18.00
	Elwood Mead	Traveling expenses	7.50
	O. V. P. Stout	do	11.65
21	Jas. R. Covert	Salary	84.20
Sept. 2	S. M. Emery	Traveling expenses	95.80
14	Chicago and Northwestern Rwy. Co	Passenger transportation	3.92
	Cincinnati, New Orleans and Texas Pacific Rwy. Co.	do	2.40
	Burlington and Missouri River R. R. in Nebraska.	do	29.50
23	The Chesapeake and Ohio Rwy. Co.	do	14.55
26	St. Louis, Keokuk and Northwestern R. R. Co.	do	11.50
28	Nellie Preston	Stenographic report	195.20
30	Jas. R. Covert	Salary	81.60
	Total first quarter		<u>864.77</u>
Oct. 3	Anna Morley	Services	25.00
	Elwood Mead	Expenses	8.67
	do	do	1.01
17	Anna Morley	Services	30.00
19	Jas. M. Wilson	Report on water rights	50.00
	Jno. E. Field	do	50.00
	Elwood Mead	Traveling expenses	82.15
24	Baltimore and Ohio Southwestern Rwy. Co.	Passenger transportation	9.00
	Union Pacific R. R. Co.	do	56.25
31	Jas. R. Covert	Salary	84.20
Nov. 3	C. T. Johnston	Survey and maps	200.00
	Anna Morley	Services	30.00
	Elwood Mead	Expenses	14.05
30	J. R. Covert	Salary	81.60
Dec. 8	The Oregon R. R. and Navigation Co	Passenger transportation	16.69
15	Anna Morley	Services	25.00
19	Great Northern Rwy. Co.	Passenger transportation	5.00
	Northern Pacific Rwy. Co.	do	27.70
21	Elwood Mead	Article on water-right laws	750.00
	do	Traveling expenses	10.00
31	J. R. Covert	Salary	84.20
	Total second quarter		<u>1,640.52</u>
1899.			
Jan. 31	J. R. Covert	Salary	86.10
Feb. 1	Anna Morley	Services	25.00
9	Elwood Mead	Traveling expenses	147.24
	do	Expenses	5.77
20	Anna Morley	Services	25.00
28	Jas. R. Covert	Salary	77.80
Mar. 2	M. K. Duguid	Stenographic work	13.30
8	Anna Morley	Salary	25.00
9	Elwood Mead	Traveling expenses	148.80
22	United States Express Co	Transportation	7.70
31	Jas. R. Covert	Salaries	86.10
	Total third quarter		<u>647.81</u>
Apr. 3	J. R. Buckelew	Typewriters	180.00
10	Fred. A. Schmidt	Measuring tape, etc	4.30
17	Anna Morley	Salary	25.00
	C. T. Johnston	do	129.20

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

IRRIGATION INFORMATION—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 19	Elwood Mead	Traveling expenses	\$225.45
22	Gundlach Optical Co.	Camera	80.00
24	Fred A. Schmidt	Drawing table	37.50
29	Yawman & Erbe Manufacturing Co	Copyer	35.00
	Library Bureau	Catalogue case	22.00
	Jas. R. Covert et al	Salary	147.02
May 2	Elwood Mead	Reports on irrigation	375.00
8	Clarence T. Johnston	Salary	123.60
	Anna Morley	do	25.00
	Elwood Mead	do	206.00
	do	Traveling expenses	11.70
11	The Maurice Joyce Engraving Co.	Engraving	5.28
17	W. B. Moses & Sons	Desk and chairs	60.90
18	W. & L. E. Gurley	Instrument for water measure	100.65
	Galvanotype Engraving Co	Cut	2.31
	Elwood Mead	Photographs	6.85
	do	Oiled-silk cord	1.00
26	Jno. C. Parker	Typewriter cabinet	21.85
31	W. H. Beal et al	Salaries	327.20
June 1	E. J. Pullman	Negative jackets	6.48
	Fred A. Schmidt	Measuring sticks	.18
	R. Carter Ballantyne	Pens	1.10
2	Elwood Mead	Traveling expenses	4.50
	W. M. Reed	Services	25.00
	Wm. Henry Code	do	12.50
9	D. W. Ross	Salary	25.00
	W. M. Reed	do	25.00
	M. R. Johnston	do	25.00
	Elwood Mead	do	213.00
	C. T. Johnston	do	127.80
	Anna Morley	do	25.00
	Geo. L. Swendsen	do	25.00
	W. H. Code	do	25.00
	A. M. Allen	do	25.00
	Thos. Berry	do	25.00
	C. T. Jordan	do	5.00
13	Woodruff Manufacturing Co.	Portfolio cases	28.00
	E. Morrison Paper Co	Mailing tubes	2.00
	Fred A. Schmidt	Brushes	40.89
	do	Stationery supplies	28.29
	do	Brushes	5.74
	Jno. C. Parker	Letter files	67.20
	W. M. Gilcrest	Weights	2.50
	Elwood Mead	Making register	100.00
16	Arthur Goss	Analysis Rio Grande River water.	100.00
	S. A. McHenry	Services	10.00
	C. T. Jordan	do	10.00
	J. C. Nagle	Analysis Wichita and Brazos rivers water.	100.00
	E. E. Slosson	Analysis Laramie River water	50.00
20	Wyoming Capital Commission	Office rent	30.00
	J. E. Stimson	Prints	6.80
22	The Arp & Hammond Hardware Co	Drill cutters, etc	7.00
	Julien P. Friez	Ink	7.20
23	Elwood Mead	Traveling expenses	103.35
	do	do	37.30
24	Fred A. Schmidt	Ruling pens, etc	2.97
26	Clarence T. Johnston	Traveling expenses	11.10
27	A. S. Aloe Co.	Rule	12.75
	W. Irving	Services	25.00
28	Elwood Mead	Expressage	13.65
29	J. P. Cooke & Co	Printing materials	7.90
30	Ray P. Teele et al	Salaries	201.05
	Total fourth quarter		3,759.06
	<i>Supplemental.</i>		
July 1	W. & L. E. Gurley	Water register	600.00
	do	Thermometers	2.54
	J. A. Breckons	Article on water rights	100.00
6	Elwood Mead	Traveling expenses	16.30
	Jas. B. Lambie	Hatchet	.40
8	Elwood Mead	Salary	206.00
	Clarence T. Johnston	do	123.60
	Anna Morley	do	25.00
	M. R. Johnston	do	25.00
	W. M. Reed	do	25.00
	Geo. L. Swendsen	do	25.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

IRRIGATION INFORMATION—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
July 8	H. S. Tullis	Salary	\$82.40
11	J. R. Bucklelew	Typewriter and case	90.00
12	A. J. Wiley	Report on Boise River	300.00
18	Thos. Berry	Salary	25.00
	C. T. Jordan	do	10.00
	R. P. Clarke	Towels	2.55
	E. J. Pullman	Photographic supplies	24.12
	Fred A. Schmidt	Drawing table	43.93
20	E. B. Voorhees	Irrigation investigations	300.00
	W. & L. E. Gurley	Water register	28.35
22	W. Irving	Salary	25.00
	W. H. Code	do	25.00
	E. S. Nettleton	Article on water contracts	250.00
	R. H. Forbes	Analysis on water, Salt River	100.00
25	S. A. McHenry	Salary	10.00
28	H. S. Tullis	do	19.23
	Percy Smith	Map frames	18.00
	W. & L. E. Gurley	Water register	360.00
	W. B. Moses & Sons	Chairs, etc	58.01
Aug. 2	The R. H. Smith Manufacturing Co	Rubber stamp .....	.70
5	Elwood Mead	Expenses	20.90
10	Amelia A. Wagner	Rain gauges	5.56
11	Jno. C. Parker	Typewriter cabinet	21.85
	do	Linen paper, ruled	7.50
12	Elwood Mead	Expenses	29.17
14	Rudolph, West & Co	Screw-driver .....	.29
	Julien P. Friez	Gauge supports	6.50
16	Adams Express Co	Transportation	10.95
	Total		3,023.85

RECAPITULATION.

First quarter	\$864.77
Second quarter	1,640.52
Third quarter	647.81
Fourth quarter	3,759.06
Supplemental	3,023.85
Total	9,936.01

EXPERIMENT STATIONS.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	A. C. True et al	Salaries	\$2,092.82
Aug. 5	W. H. Beal	Traveling expenses	25.35
19	Z. D. Gilman	Thermometers	1.00
	A. C. True	Traveling expenses	139.75
25	R. C. Ballantyne	Envelopes	7.55
31	A. C. True et al	Salaries	1,986.87
Sept. 12	W. E. De Reimer	Article for publication	100.00
13	Heliotype Printing Co	Plates	200.00
14	Fremont, Elkhorn and Missouri Valley R. R. Co.	Passenger transportation	4.21
	Burlington and Missouri River R. R. in Nebraska	do	20.45
15	Wyckoff, Seamans & Benedict	Repairs to typewriter	13.25
20	Jno. R. Galloway	Electric fan	36.00
22	Yawman & Erbe Manufacturing Co	Pan	1.25
23	The Oregon R. R. and Navigation Co	Passenger transportation	4.20
	Northern Pacific Rwy. Co	do	32.30
26	Grand Trunk Rwy. Co	do	7.91
	do	do	3.15
31	A. C. True et al	Salaries	1,946.80
	Total first quarter		6,622.86
Oct. 1	Mackall Bros	Platinum paper	2.31
	E. Morrison Paper Co	Cards	1.50
4	do	Mailing tubes	4.20
10	E. W. Allen	Traveling expenses	43.71
	do	do	4.62

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

EXPERIMENT STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 21	E. W. Allen	Traveling expenses	\$62.12
24	Georgia Southern and Florida Rwy. Co.	Passenger transportation	6.36
	Union Pacific R. R. Co.	do	11.45
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	2.44
	Lehigh Valley R. R. Co.	do	13.27
28	Jno. C. Parker	Typewriter supplies	7.00
31	W. E. De Reimer	List periodicals	100.00
	A. C. True et al.	Salaries	2,094.49
Nov. 1	Peter Fireman	Translating	62.50
2	Library Bureau	Binders	5.40
14	A. C. True	Traveling expenses	39.83
16	S. N. Meyer	Labels	5.00
30	Library Bureau	Cards	1.60
	A. C. True et al.	Salaries	2,020.71
Dec. 8	Raleigh and Gaston R. R. Co.	Passenger transportation	8.85
	South Carolina and Georgia R. R. Co.	do	9.15
	Atlanta and West Point R. R. Co.	do	4.08
	Florida Central and Peninsular R. R. Co.	do	5.40
	Southern Pacific Co.	do	7.09
	Baltimore and Ohio R. R. Co.	do	27.52
14	Southern Rwy. Co.	do	9.60
	T. R. Riley	Wooden guides	4.00
17	Miles Fuller	Report of convention	195.60
	Peter Fireman	Translating	60.00
19	Pennsylvania R. R. Co.	Passenger transportation	11.52
	Central of Georgia Rwy. Co.	do	1.80
	do	do	1.29
	Central Vermont R. R. Co.	do	5.51
	New York, New Haven and Hartford R. R. Co.	do	5.60
	Boston and Maine R. R. Co.	do	2.80
	Maine Central R. R. Co.	do	10.00
24	W. E. De Reimer	Abstract from European reports.	100.00
31	A. C. True et al.	Salaries	2,018.49
	Total second quarter		6,976.81
1899.			
Jan. 4	United States Express Co.	Transportation	1.10
	E. M. Tilden	Type	2.40
6	Pennsylvania R. R. Co.	Passenger transportation	14.14
	Atlanta and West Point R. R. Co.	do	3.48
	Charleston and Savannah Rwy. Co.	do	4.40
	A. C. True	Traveling expenses	7.85
7	Southern Rwy. Co.	Passenger transportation	6.30
28	Adams Express Co.	Transportation	2.25
30	Norfolk and Western Rwy. Co.	Passenger transportation	7.80
31	A. C. True et al.	Salaries	1,942.15
Feb. 1	J. C. Parker	Memorandum books	1.50
6	F. C. Kenyon	Salary	103.33
10	E. Lavalard	Article on feeding horses	100.00
20	F. W. Woll	Translating	72.50
28	A. C. True et al.	Salaries	1,981.53
Mar. 1	Baltimore and Ohio R. R. Co.	Passenger transportation	7.90
3	E. Wollny	Article on soils	100.00
7	Library Bureau	Index cards	4.80
9	P. Fireman	Abstract of report	100.00
11	Woodward & Lothrop	Jars	.40
14	Yawman & Erbe Manufacturing Co.	Files	2.00
17	W. B. Moses & Sons	Chair and rack	6.40
22	United States Express Co.	Transportation	3.05
25	B. C. Flournoy	Drawings	20.00
27	Jas. J. Deck	Translating	30.00
31	A. C. True et al.	Salaries	2,200.55
	Total third quarter		6,725.63
Apr. 3	J. R. Buckelew	Typewriter	87.75
	Jno. C. Parker	Typewriter supplies	6.10
4	Walter H. Evans	Traveling expenses	17.75
10	E. Morrison Paper Co.	Memorandum books	1.25
15	The Office and Library Co.	Binding cases	4.90
18	E. Morrison Paper Co.	Paper	7.92
	Wyckoff, Seamans & Benedict	Mats	8.00
25	Pennsylvania R. R. Co.	Passenger transportation	12.25
	New York, New Haven and Hartford R. R. Co.	do	12.25
29	A. C. True et al.	Salaries	2,292.35
May 1	W. C. Newton & Co.	Electro	1.25

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

EXPERIMENT STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 1	R. Carter Ballantyne	Pens	\$2.30
11	W. B. Moses & Sons	Furniture	10.25
17	E. J. Pullman	Photo supplies	42.50
	Library Bureau	Cards	1.60
23	C. F. Langworthy	Traveling expenses	4.50
24	Peter Fireman	Translation	27.50
31	A. C. True et al	Salaries	2,245.10
June 1	E. Morrison Paper Co	Driers	4.00
	do	Files	3.00
	W. S. Jenks	Presses	1.50
2	A. C. True	Traveling expenses	131.99
	H. P. Nielsen	Salary	150.00
	Chas. H. Robinson	do	202.20
6	H. P. Nielsen	do	75.00
	Chas. H. Robinson	do	102.20
13	A. B. Seymour	Boxes	3.00
	C. Becker	Straps	2.60
	Houghton & Delano	Plateholder	3.00
23	Georgia Southern and Florida Rwy. Co.	Passenger transportation	3.21
	Atchison, Topeka and Santa Fé Rwy. Co.	do	17.12
	Illinois Central R. R. Co.	do	8.75
24	Adams Express Co	Transportation	.25
27	Southern Ry. Co	Passenger transportation	8.57
	South Carolina and Georgia R. R. Co.	do	4.25
	Galveston, Harrisburg and San Antonio Rwy. Co.	do	6.30
	Raleigh and Augusta Air Line R. R. Co.	do	3.45
	do	do	2.20
	Southern Pacific Co.	do	13.85
	Atlanta and West Point R. R. Co.	do	3.48
	Pennsylvania R. R. Co	do	9.65
	do	do	11.80
	Central of Georgia Rwy. Co.	do	3.87
	Charleston and Savannah Rwy. Co.	do	9.55
	Houston and Texas Central Rwy. Co.	do	2.85
28	Anna M. Park	Translating	13.25
	Peter Fireman	do	22.50
29	Harris & Shafer Co	Clock	7.59
	S. N. Meyer	Labels	7.75
30	A. C. True et al	Salaries	2,338.50
	Total fourth quarter		7,962.75
	<i>Supplemental.</i>		
July 1	F. W. Woll	Translating	36.67
6	Galveston, Harrisburg and San Antonio Rwy. Co.	Passenger transportation	18.70
	Southern Rwy. Co.	do	4.75
10	H. P. Nielsen	Salary	75.00
	C. H. Robinson	do	98.90
11	E. J. Pullman	Photographic supplies	23.30
	do	do	4.80
12	United States Express Co	Transportation	1.25
17	Peter Fireman	Translating	50.00
19	W. B. Moses & Sons	Matting, etc	14.79
	C. F. Langworthy	Traveling expenses	12.90
	A. C. True	do	29.15
28	The Springfield Envelope Co.	Envelopes	1.76
	Yawman & Erbe Manufacturing Co	Pan for roller copies, etc	9.25
3	Pennsylvania R. R. Co	Passenger transportation	159.00
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do	18.05
	St. Louis and San Francisco R. R. Co	do	15.86
	Santa Fé Pacific R. R. Co	do	32.60
	Florida East Coast Rwy. Co	do	17.90
	Terre Haute and Indiana R. R. Co.	do	11.00
	Santa Fé, Prescott and Phoenix Rwy. Co.	do	11.80
	Nashville, Chattanooga and St. Louis Rwy. Co.	do	8.60
7	C. B. Smith	Salary	115.40
11	Jno. C. Parker	File cabinet	56.50
12	The White, Corbin & Co.	Envelopes	13.90
14	L. E. C. Collière	Translating	40.00
	Z. D. Gilman	Roach paste	.20
16	E. W. Allen	Traveling expenses	125.07
	Adams Epress Co	Transportation	1.50
	do	do	1.00
18	L. E. C. Collière	Translating	8.00
Sept. 6	Chicago and Northwestern Rwy. Co.	Passenger transportation	22.67

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

EXPERIMENT STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899. Sept. 6	Oregon R. R. and Navigation Co.	Passenger transportation	\$11.65
	Nashville, Chattanooga and St. Louis Rwy. Co.	do	9.90
	Atchison, Topeka and Santa Fé Rwy. Co.	do	6.17
	Wabash R. R. Co.	do	2.38
	Fremont, Elkhorn and Missouri Valley R. R. Co.	do	1.57
	Union Pacific R. R. Co.	do	20.50
	do	do	17.55
	Oregon Short Line R. R. Co.	do	35.80
	Burlington and Missouri River R. R. in Nebraska.	do	1.65
	Illinois Central R. R. Co.	do	3.83
Oct. 12	The White Corbin & Co.	Envelopes	2.00
18	Adams Express Co.	Transportation .....	.30
	do	do .....	.80
Nov. 3	Talma Drew	Traveling expenses	29.25
6	Southern Pacific Co.	Passenger transportation	19.70
	The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	3.75
	Total		1,207.07

RECAPITULATION.

First quarter	\$6,622.86
Second quarter	6,976.81
Third quarter	6,725.63
Fourth quarter	7,962.75
Supplemental	1,207.07
Total	29,495.12

RESOURCES OF ALASKA.

Date.	Name.	Nature of payment.	Total.
1898.			
July 21	S. Jackson	Botanical specimens	\$206.48
Aug. 4	C. C. Georgeson	Salary	210.60
	W. H. Evans	do	151.60
12	W. P. Mills, agent	Office rent	10.00
	do	Rope, etc	4.80
	W. A. Kelly	Services	10.00
	N. E. Beckwith	do	110.00
19	C. R. Adams	Tent	10.00
Sept. 2	C. C. Georgeson	Salary	210.60
3	W. H. Evans	do	151.60
10	Chas. Gies	Labor	55.50
30	Geo. A. Howe	Services	38.71
	Total first quarter		1,169.89
Oct. 1	Alaska Commercial Co.	Passenger transportation	82.50
	do	do	15.00
	do	Flannel, etc.	2.60
3	W. H. Evans	Salary	146.80
	C. C. Georgeson	do	203.80
11	W. H. Evans	Traveling expenses	149.90
19	Ralph Shelley	Labor	38.50
	do	do	19.00
	John Tjarks	Services	65.10
	Geo. A. Howe	do	91.51
	Wallis Howe	do	97.66
24	The Pacific Coast Steamship Co.	Passenger transportation	20.00
31	C. C. Georgeson	Salary	210.60
	W. H. Evans	do	151.60
Nov. 1	Alaska Commercial Co.	Passenger transportation	185.00
	do	do	45.00
3	W. P. Mills, agent	Office rent	20.00
	do	do	10.00
9	W. E. Lane	Labor	13.10
	Cassia Patton	Printing letters	5.00
	Joseph Clyne	Labor	19.50
	Emma Rhodes	Expenses	28.50
	Ewd. De Graff	Tracing cloth, etc	24.65

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

RESOURCES OF ALASKA—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Nov. 11	C. C. Georgeson	Traveling expenses	\$88.50
	do	do	51.20
	do	Expenses	31.10
	do	do	23.04
30	W. P. Mills, agent	Office rent	10.00
	George Sexton	Report	300.00
	Peter Raber	Labor	5.20
	C. C. Georgeson et al	Salaries	350.60
Dec. 2	Alaska Commercial Co.	Passenger transportation	40.00
8	Oregon R. R. and Navigation Co.	do	33.53
31	C. C. Georgeson et al	Salaries	362.20
	Total second quarter		2,940.69
1899.			
Jan. 3	W. P. Mills, agent	Office rent	10.00
4	E. J. Pullman	Developer	30
	Alaska Commercial Co.	Passenger transportation	97.50
	A. H. Solberg	Cleaning land	50.00
6	Cincinnati, Hamilton and Dayton Rwy. Co.	Passenger transportation	16.00
27	C. C. Georgeson	Traveling expenses	6.65
28	Adams Express Co.	Transportation	36.20
30	Pacific Coast Steamship Co.	Passenger transportation	60.00
	Northern Pacific Rwy. Co.	do	50.00
	W. P. Mills, agent	Rent, office	10.00
	C. C. Georgeson et al	Salaries	370.30
Feb. 7	E. J. Pullman	Photographic supplies	3.24
24	Library Bureau	File case	22.00
	C. C. Georgeson	Traveling expenses	13.30
25	C. R. Edmondson	Lamps	12.30
28	R. P. Clarke	Towels	7.65
	C. C. Georgeson	Salary	194.40
Mar. 1	Pennsylvania R. R. Co.	Passenger transportation	8.00
2	S. L. Allen & Co.	Drill hoe, etc.	53.30
9	E. Morrison Paper Co.	Blank book	1.65
14	W. P. Miller, agent	Office rent	10.00
17	W. B. Moses & Sons	Letter-press stand	9.00
	The Tribune Association	Advertising	4.40
	C. C. Georgeson	Traveling expenses	12.70
22	Library Bureau	Copying press	5.75
	J. S. Woodhouse	Agricultural implements	451.06
31	C. C. Georgeson et al	Salaries	258.30
	Total third quarter		1,774.00
April 3	Jno. C. Parker	Tags	.80
10	E. Morrison Paper Co.	Dryers	6.00
11	Standard Furniture Co.	Desk and chairs	25.00
12	Mackall Bros	Soap	6.00
14	C. C. Georgeson	Traveling expenses	48.32
	H. P. Nielsen	do	37.75
15	E. J. Bowen	Seeds	22.15
	Lilly, Bogardus & Co.	Feed	42.31
	W. P. Mills, agent	Office rent	10.00
	Merchants & Co.	Oxen	285.00
17	Chas. H. Robison	Traveling expense	19.50
18	Conrad Becker	Straps	3.90
	Wyckoff, Seamans & Benedict	Strand	4.50
22	J. S. Woodhouse	Stump pullers, carts, etc.	392.00
	do	Packing implements	10.00
24	Robt. Gair	Seed bags	1.45
25	Baltimore & Ohio R. R. Co.	Passenger transportation	10.00
	Wisconsin Central R. R. Co.	Passenger transportation	29.00
28	McSorley & Henderson	Harness, blankets, etc.	34.65
May 4	C. C. Georgeson	Salary	247.25
17	Chas. D. Wood	Seeds	4.95
26	Jno. C. Parker	Cotton-seed bags	8.72
June 2	R. Albertstone	Board and lodging for men	25.62
	Jens Andersen	Labor	50.00
	Seattle Hardware Co.	Coal	3.00
	Rohlf & Schoder	Hotbed sashes	24.00
	W. P. Mills, agent	Office rent	10.00
	Baltimore & Ohio R. R. Co.	Passenger transportation	88.25
	Northern Pacific Rwy. Co.	do	14.00
	Pacific Coast Steamship Co.	do	108.00
6	C. C. Georgeson	Salary	255.50
	do	Traveling expenses	13.46
	do	Office expenses, etc.	102.15
	Steamer Perry	Transportation	30.00
16	Geo. A. Hill	Services, May, 1899	50.00
	do	Services, April, 1899	25.00
20	Post-Intelligencer Publishing Co.	Advertising	4.75
23	Edward de Graff, agent	Office rent	9.03

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

RESOURCES OF ALASKA—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
June 23	W. P. Mills, agent	Office rent	\$19.00
	Steamer Perry	Passenger transportation	10.00
27	Alaska Steamship Co	do	6.00
28	C. C. Georgeson	Expenses	169.72
	do	Traveling expenses	13.25
29	Thos. Knudson	Report on grasses	40.00
	Total, fourth quarter		2,310.98
	<i>Supplemental.</i>		
July 5	Ryland Becker	Boat	15.00
6	The Skaguay News	Advertising	4.55
	Lilly, Bogardus & Co	Seeds	20.45
10	C. C. Georgeson	Salary	247.25
25	Edward de Graff	Office rent	20.00
	W. P. Mills, agent	Nails, lumber, etc	23.79
	do	Office rent	10.00
	Puget Sound Nursery and Seed Co	Garden plants	7.75
	Pacific Steam Whaling Co	Transportation	93.80
Aug. 3	Pacific Coast Steamship Co	Passenger transportation	16.00
	Alaska Commercial Co	do	72.50
7	C. C. Georgeson	Traveling expenses	11.00
10	W. S. Jenks	Wire screens	2.25
16	Yawman & Erbe Manufacturing Co	Letter files	2.00
	Carl Spuhn	Fertilizer	12.50
	Adams Express Co	Transportation	52.00
22	Alaska Commercial Co	do	167.75
	do	do	5.75
	Pacific Coast Steamship Co	do	5.00
	Jens Andersen	Labor	50.00
	do	do	50.00
	Geo. A. Hill	do	50.00
	W. R. Wait	do	3.00
	Chas. H. Robison	Traveling expenses	20.05
Sept. 6	R. Albertstone	Rent, land	8.75
	Pacific Coast Steamship Co	Transportation	212.30
	do	do	4.73
	Union Pacific R. R. Co	Passenger transportation	90.00
20	The Chesapeake and Potomac Telephone Co	Telephone service	.40
	United States Express Co	Transportation	13.80
Oct. 18	Adams Express Co	do	8.30
Nov. 6	The Wabash R. R. Co	Passenger transportation	44.50
	Total		1,845.17

RECAPITULATION.

First quarter	\$1,169.89
Second quarter	2,940.69
Third quarter	1,774.00
Fourth quarter	2,310.98
Supplemental	1,845.17
Total	9,540.73

NUTRITION INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	C. F. Langworthy	Salary	\$134.80
Aug. 3	W. O. Atwater et al	Salaries	665.30
	C. D. Woods	Salary	84.20
	O. L. Blakeslee	Bomb calorimeter	300.00
31	C. F. Langworthy	Salary	194.80
Sept. 2	C. D. Woods	do	84.20
	F. G. Benedict et al	Pay roll, Middletown	446.20
14	W. O. Atwater	Salary	126.40
	Pennsylvania R. R. Co	Passenger transportation	9.35
17	C. F. Langworthy	Traveling expenses	17.25
30	do	Salary	190.40
	Total, first quarter		2,133.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

NUTRITION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 7	W. O. Atwater	Salary	\$122.20
	C. D. Wood	do	81.60
	F. G. Benedict et al.	Pay roll, Middletown	509.82
19	Weston Electrical Instrument Co.	Instruments	125.00
31	C. F. Langworthy	Salary	134.80
Nov. 2	W. O. Atwater et al.	Pay roll, Middletown	665.00
3	C. D. Woods	Salary	84.20
30	C. F. Langworthy	do	130.40
Dec. 3	C. D. Woods	do	81.60
	W. O. Atwater et al.	Pay roll, Middletown	631.42
15	H. C. Sherman	Traveling expenses	15.15
31	C. F. Langworthy	Salary	134.80
	Total, second quarter		2,715.99
1899.			
Jan. 3	H. S. Grindley	Traveling expenses	85.35
5	Chas. D. Woods	Salary	84.20
	W. O. Atwater et al.	Pay roll, Middletown	481.60
12	W. O. Atwater	Expenses	93.90
25	A. T. Simmons	Article on domestic economy	60.00
31	H. C. Sherman	Expenses	151.00
	do	Traveling expenses	54.70
	C. F. Langworthy	Salary	137.80
Feb. 2	W. O. Atwater et al.	Pay roll, Middletown, Conn.	835.70
	C. D. Woods	Salary	86.10
6	W. C. Blasdale	Investigation, Chinese food	50.00
8	Mary H. Abel	Traveling expenses	2.70
	do	do	2.70
10	O. L. Blakeslee	Construction of a bomb calorimeter.	300.00
	Rich. Hening	Calorimeter accessories	215.00
16	H. C. Sherman	Expenses	20.84
	W. O. Atwater	Traveling expenses	14.00
	C. E. Wait	Article on digestion	300.00
20	H. E. Wells	Traveling expenses	30.60
	R. D. Milner	do	17.30
21	Harry M. Burr	Expenses	2.60
24	P. B. Hawk	Traveling expenses	32.35
28	C. D. Woods	Salary	77.80
	C. F. Langworthy	do	124.40
Mar. 1	H. M. Burr	Traveling expenses	31.95
2	W. O. Atwater et al.	Pay roll, Middletown, Conn.	804.40
	W. O. Atwater	Traveling expenses	11.50
17	do	Expenses	28.61
24	W. O. Atwater et al.	Traveling expenses	120.65
31	C. F. Langworthy	Salary	137.80
	Total, third quarter		4,395.55
Apr. 1	Chas. D. Woods	Salary	86.10
3	W. O. Atwater et al.	Pay roll, Middletown, Conn.	888.60
9	Mary H. Abel	Traveling expenses	2.70
12	Chas. D. Woods	Salary	82.40
June 6	Francis G. Benedict et al.	Pay roll, Middletown, April	696.47
8	Chas. D. Woods	Salary	85.20
9	Francis G. Benedict et al.	Pay roll, Middletown, May	753.30
16	Harry Snyder	Analysis, etc.	500.00
22	F. E. Singleton	Expenses	52.20
	W. O. Atwater	Services	127.80
	C. E. Wait	Digestion experiments	450.00
	H. S. Grindley	do	500.00
	Total, fourth quarter		4,224.77
	Supplemental.		
July 7	W. O. Atwater	Traveling expenses	11.98
	W. O. Atwater et al.	Pay roll, Middletown, Conn.	861.80
	C. D. Woods	Services	82.40
20	O. L. Blakeslee	Repairs to apparatus	100.00
Aug. 9	W. O. Atwater	Salary	61.81
16	Adams Express Co.	Transportation	1.35
Sept. 1	W. O. Atwater	Expenses	8.24
	Chas. D. Woods	Traveling expenses	19.45
	Total		1,147.03

70 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

RECAPITULATION.

First quarter.....	\$2,133.00
Second quarter.....	2,715.99
Third quarter.....	4,395.55
Fourth quarter.....	4,224.77
Supplemental.....	1,147.03
Total.....	14,616.34

PUBLIC ROAD INQUIRIES.

Date.	Name.	Nature of payment.	Total.
1898.			
July 18	E. G. Harrison	Traveling expenses	\$13.39
	E. G. Harrison et al.	Salaries	421.10
Aug. 26	M. O. Eldridge	Traveling expenses	3.57
30	Martin Dodge	do	7.75
	do	do	5.41
31	Martin Dodge et al.	Salaries	520.37
Sept. 30	do	do	301.60
	Total, first quarter.....		1,273.19
Oct. 3	E. G. Harrison	Salary	146.80
	do	Traveling expenses	19.90
19	do	do	46.00
31	do	Salary	151.60
	Martin Dodge et al.	Salaries	311.70
Nov. 1	Cambria Iron Co	Material for steel roadway	492.48
3	Martin Dodge	Traveling expenses	119.84
14	E. G. Harrison	do	11.30
30	Martin Dodge et al.	Salaries	301.60
Dec. 3	do	Traveling expenses	65.75
	E. G. Harrison	Salary	146.80
8	Chicago and Northwestern Rwy. Co	Passenger transportation	21.80
	Baltimore and Ohio R. R. Co	do	17.90
16	Martin Dodge	Traveling expenses	4.90
19	Pennsylvania R. R. Co	do	6.34
31	Martin Dodge etc	Salaries	311.70
	Total, second quarter.....		2,176.41
1899.			
Jan. 3	M. O. Eldridge	Traveling expenses	24.55
4	E. J. Pullman	Photographic supplies	3.81
5	E. G. Harrison	Salary	44.02
6	Pennsylvania R. R. Co	Passenger transportation	8.00
	Erie R. R. Co	do	11.00
18	E. G. Harrison	Traveling expenses	16.85
19	do	Salary	65.00
24	Martin Dodge	Traveling expenses	69.41
28	do	Expenses	15.00
	do	Travel	14.15
30	Pennsylvania R. R. Co	Passenger transportation	7.81
	Baltimore and Ohio R. R. Co	do	14.00
	Louisville and Nashville R. R. Co	do	5.77
31	Martin Dodge et al.	Salaries	318.60
Feb. 1	Erie R. R. Co	Passenger transportation	11.00
11	E. G. Harrison	Traveling expenses	10.30
28	Delaware, Lackawanna and Western R. R. Co	Passenger transportation	10.10
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	11.05
	E. G. Harrison	Salary	140.00
	Roy Stone et al.	Salaries	287.80
Mar. 1	Baltimore and Ohio R. R. Co	Passenger transportation	11.00
	Pennsylvania R. R. Co	do	10.00
9	Roy Stone	Traveling expenses	27.44
16	Chesapeake and Ohio R. R. Co	Passenger transportation	14.00
25	Baltimore and Ohio R. R. Co	do	11.00
31	Roy Stone et al.	Salaries	103.30
	Total third quarter.....		1,264.96
Apr. 1	E. G. Harrison	Salary	155.00
	do	Traveling expenses	33.11
7	do	do	42.16
13	M. O. Eldridge	do	3.15
14	Roy Stone	Salary	215.30
19	E. G. Harrison	Traveling expenses	16.45
25	Pennsylvania R. R. Co	Passenger transportation	11.08
	Missouri Pacific Rwy. Co	do	9.50
	Yazoo and Mississippi Valley R. R. Co	do	4.35

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

PUBLIC ROAD INQUIRIES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 25	Louisville and Nashville R. R. Co.	Passenger transportation	\$14.65
	do	do	13.82
29	Roy Stone et al.	Salaries	304.90
May 2	E. G. Harrison	Salary	148.30
5	do	Traveling expenses	22.60
16	M. O. Eldridge	do	15.50
29	E. G. Harrison	do	12.08
31	Blanche E. Darby	Salary	50.00
	Roy Stone et al.	Salaries	315.20
June 2	Louisville and Nashville R. R. Co.	Passenger transportation	8.68
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	4.57
	Chicago and Northwestern Rwy. Co.	do	10.26
3	Roy Stone	Traveling expenses	19.50
9	E. G. Harrison	Salary	153.40
13	A. P. McElroy	Mat	.50
14	M. O. Eldridge	Traveling expenses	6.47
28	do	do	26.63
30	Roy Stone et al.	Salaries	354.40
	Total fourth quarter		1,971.56
	<i>Supplemental.</i>		
July 8	E. G. Harrison	Traveling expenses	16.64
	do	Salary	148.30
18	Roy Stone	Traveling expenses	12.50
	do	do	9.85
Aug. 3	The Chesapeake and Ohio Rwy. Co.	Passenger transportation	4.80
	Louisville, Evansville and St. Louis R. R. Co.	do	4.96
	Louisville and Nashville R. R. Co.	do	2.45
14	Roy Stone	Traveling expenses	45.01
Nov. 6	The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	Passenger transportation	16.00
	Total		260.51

RECAPITULATION.

First quarter	\$1,273.19
Second quarter	2,176.14
Third quarter	1,264.96
Fourth quarter	1,971.56
Supplemental	260.51
Total	6,946.36

PUBLIC ROAD INQUIRIES.

[Appropriation made immediately available March 28, 1898.]

Date.	Name.	Nature of payment.	Total.
1898.			
Apr. 30	E. G. Harrison	Salary	\$148.30
May 6	do	Traveling expenses	25.00
	do	do	5.14
	do	Salary	153.40
June 8	do	Traveling expenses	16.48
10	do	do	2.05
16	Chas. T. Harrison	do	7.17
28	E. G. Harrison	do	9.10
30	do	Salary	148.30
July 13	do	Traveling expenses	2.28
	Total		517.22

PUBLICATIONS—FARMERS' BULLETINS.

1898.			
July 30	C. H. Greathouse et al.	Salaries	\$294.80
Aug. 31	do	do	354.80
Sept. 30	do	do	383.20
	Total first quarter		1,032.80

72 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

PUBLICATIONS—FARMERS' BULLETINS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 31	C. H. Greathouse et al	Salaries	\$395.90
Nov. 9	The White, Corbin & Co	Envelopes	136.78
30	C. H. Greathouse et al	Salaries	383.20
Dec. 31	do	do	395.90
	Total second quarter		1,311.78
1899.			
Jan. 31	C. H. Greathouse et al	Salaries	404.70
Feb. 28	do	do	365.60
Mar. 31	do	do	404.70
	Total third quarter		1,175.00
Apr. 4	C. T. Curtiss	Article on mutton	200.00
29	C. H. Greathouse et al	Salaries	313.30
May 13	Martin Dodge	Salary	150.00
31	C. H. Greathouse et al	Salaries	323.60
June 27	S. M. Tracy	Bulletin on hogs	160.00
30	C. H. Greathouse et al	Salaries	313.20
	Total fourth quarter		1,460.00

RECAPITULATION.

First quarter	\$1,032.80
Second quarter	1,311.78
Third quarter	1,175.00
Fourth quarter	1,460.00
Total	5,979.58

PUBLICATIONS—FARMERS' BULLETINS SENT TO THE TREASURY.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 19	The Public Printer	Printing bulletins	\$2,866.28
	do	do	342.90
Oct. 25	do	do	2,139.69
Dec. 3	do	do	1,138.10
19	do	do	2,062.28
1899.			
Mar. 11	do	do	2,883.39
	do	do	3,174.06
	do	do	782.96
May 24	do	do	3,982.46
	do	do	2,336.17
	do	do	1,551.45
Aug. 14	do	do	2,471.71
	do	do	288.55
	do	do	1,759.72
17	do	do	2,177.77
	Total		29,957.49

PUBLICATIONS—ARTISTS, DRAFTSMEN, ENGRAVERS, ETC.

1898.			
July 30	H. S. Walter et al	Salaries	\$1,954.48
Aug. 23	The Maurice Joyce Engraving Co	Engraving .....	.63
31	H. S. Walter et al	Salaries	2,000.62
Sept. 2	E. Morrison Paper Co	Manila envelopes	158.00
7	Library Bureau	Tin trays	19.85
13	L. J. Stern	Satchel	2.18
15	Fred A. Schmidt	Paper	3.15
22	Library Bureau	Cards	2.25
	The Randolph Paper Box Co	Boxes	9.00
26	Ralph Shorrock	Photos on wood	3.00
30	L. S. Williams et al	Salaries	2,092.80
	Total first quarter		6,246.46

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

PUBLICATIONS—ARTISTS, DRAFTSMEN, ENGRAVERS, ETC.—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 3	The White, Corbin & Co.	Envelopes	\$8.55
	R. Shorrock	Photo. on wood	.87
17	J. P. Nawrath	Twine	61.25
	M. Feigel & Bro.	Gum arabic	138.60
24	R. C. Ballantyne	Cloth-lined envelopes	7.55
	Jno. C. Parker	Manila paper	30.00
31	L. S. Williams et al	Salaries	2,073.60
Nov. 1	T. R. Riley	Tags	32.50
3	H. C. Jones	Engravings	4.00
9	A. H. Baldwin	Drawings	50.00
16	The Maurice Joyce Engraving Co	Electros	2.06
30	H. S. Walter et al	Salaries	1,968.60
Dec. 2	Fred A. Schmidt	Artists' material	32.04
	Easton & Rupp	Tracing paper	2.00
	A. H. Baldwin	Drawings	40.15
5	H. C. Jones	Engravings	12.92
	do	do	12.09
8	The Maurice Joyce Engraving Co	Cut of signature	.50
21	R. P. Clarke	Thread	10.20
22	R. Shorrock	Photos on wood	10.92
	do	do	8.12
	W. C. Newton & Co	Electros	1.50
23	A. H. Baldwin	Drawings	1.30
31	H. S. Walter et al	Salaries	1,996.20
	Total second quarter		6,475.52
1899.			
Jan. 3	The Springfield Envelope Co.	Manila envelopes	980.00
	do	do	280.00
19	do	do	2,000.00
	R. Shorrock	Photos on wood	9.00
20	Fred. A. Schmidt	Artists' materials	25.46
24	R. Shorrock	Photos on wood	27.00
	Hebert Wells	Ink and paper	5.36
31	H. S. Walter et al	Salaries	2,222.10
Feb. 1	R. Shorrock	Photos on wood	2.40
	The Lovejoy Co	Electro	.35
24	Harry C. Jones	Engraving	9.89
25	W. C. Newton & Co.	Electros	1.90
28	The Maurice Joyce Engraving Co	Electro	.22
	H. S. Walter et al	Salaries	2,254.40
Mar. 7	H. C. Jones	Engravings	1.00
9	W. C. Newton & Co.	Electros	.90
15	Fred. A. Schmidt	Blue-print paper	1.50
17	Electro-Tint Engraving Co	Engraving	5.30
20	H. C. Jones	do	3.10
	do	do	2.91
	Fred. A. Schmidt	Artists' materials	24.61
25	H. C. Jones	Engraving	3.00
	W. C. Newton & Co.	Electros	5.85
31	H. S. Walter et al	Salary	2,270.80
	Total third quarter		10,137.05
Apr. 6	H. C. Jones	Engraving	6.00
11	The White, Corbin & Co	Envelopes	201.49
12	Fred. A. Schmidt	Paints	1.49
	The Maurice Joyce Engraving Co	Engraving	4.36
18	R. Shorrock	Photo on wood	3.83
	Fred. A. Schmidt	Tracing cloth	6.21
	Ernest Bets	Cup and plates	2.04
27	The Maurice Joyce Engraving Co	Engraving	6.24
	Hugh Reilly	Brushes	12.16
29	R. Shorrock	Photos on wood	59.07
	Reading Paper Mills	Paper	150.00
	L. S. Williams et al	Salaries	2,325.87
May 11	The Maurice Joyce Engraving Co	Engraving	.76
20	Jno. C. Parker	Manila paper	15.00
31	L. S. Williams et al	Salaries	2,281.20
June 1	Fred. A. Schmidt	Paint	.60
13	Library Bureau	Index cards	23.40
24	Fred. A. Schmidt	Artists' supplies	10.24
	W. C. Newton & Co.	Electros	1.50
30	L. S. Williams et al	Salaries	1,866.06
	Total fourth quarter		6,977.52

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

RECAPITULATION.

First quarter.....	\$6,246.46
Second quarter.....	6,475.52
Third quarter.....	10,137.05
Fourth quarter.....	6,977.52
Total.....	29,836.55

PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	R. J. Whittleton et al.....	Salaries.....	\$1,193.98
Aug. 16	T. W. Wood & Sons.....	Seeds.....	5.30
	Peter Henderson & Co.....	do.....	1.00
	E. A. Wilson.....	Seeds (velvet beans).....	340.00
24	The Henry Philipps Seed and Implement Co.....	Seeds.....	30.45
31	R. J. Whittleton et al.....	Salaries.....	1,513.67
Sept. 14	Raleigh and Augusta Air Line R. R. Co.....	Passenger transportation.....	7.30
	Georgia and Alabama Rwy. Co.....	do.....	6.48
15	Jno. C. Parker.....	Seed bags.....	30.03
21	Herman Knapp.....	Wheat.....	100.00
30	R. J. Whittleton et al.....	Salaries.....	1,657.41
	Total first quarter.....		4,885.62
Oct. 3	W. A. Manda.....	Bulbs.....	136.00
6	Peter Henderson & Co.....	Seeds.....	2.06
	Stockton & Heth.....	Wheat.....	12.50
	J. W. Stillwell.....	do.....	19.25
	Texas Seed and Floral Co.....	do.....	24.50
	The Henry Philipps Seed and Implement Co.....	Turnip seed.....	48.44
	T. W. Wood & Sons.....	Rice.....	7.65
31	R. J. Whittleton et al.....	Salaries.....	1,480.93
Nov. 1	Polman-Mooy.....	Bulbs.....	2,237.90
3	The Randolph Paper Box Co.....	Boxes.....	127.20
	Jno. C. Parker.....	Tags and bags.....	20.52
16	T. R. Mitchell.....	Labels.....	19.25
21	Alex. Schmid.....	Boxes.....	84.00
22	J. F. Lester.....	Cotton seed.....	1,000.00
30	R. J. Whittleton et al.....	Salaries.....	1,634.60
Dec. 1	W. F. Allen, jr.....	Strawberry plants.....	255.00
	H. A. Salzer.....	Grass seed.....	245.00
5	T. W. Wood & Sons.....	Sugar corn.....	1.50
	Peter Henderson & Co.....	Grass seed.....	18.40
10	The Geo. W. Knox Express Co.....	Freight and drayage.....	72.00
14	Peoples Dispatch Co.....	Transportation.....	120.31
20	The Henry Philipps Seed and Implement Co.....	Scale and weights.....	14.00
	The Livingston Seed Co.....	Sugar corn.....	15.00
31	R. J. Whittleton et al.....	Salaries.....	1,714.63
	Total second quarter.....		9,310.64
1899.			
Jan. 4	United States Express Co.....	Transportation.....	7.25
	Geo. W. Knox Express Co.....	do.....	20.31
5	P. H. Heiskell, jr.....	Sacks.....	17.75
31	R. J. Whittleton et al.....	Salaries.....	2,017.74
Feb. 1	Adams Express Co.....	Transportation.....	12.50
4	W. A. Cook.....	Cotton seed.....	200.00
6	Jno. C. Parker.....	Cotton-seed bags.....	17.47
8	J. M. Thorburn & Co.....	Seeds.....	14.13
23	do.....	do.....	105.00
	do.....	do.....	30.32
	do.....	do.....	10.50
	Peter Henderson & Co.....	do.....	32.50
28	R. J. Whittleton et al.....	Salaries.....	2,186.18
Mar. 1	New York Market Gardeners' Association.....	Vegetable seeds.....	5,279.55
2	T. W. Wood & Sons.....	Seeds.....	23.65
	do.....	do.....	13.30
9	Adams Express Co.....	Transportation.....	15.28
	do.....	do.....	11.80
	New York Market Gardeners' Association.....	Vegetable, tobacco, and grass seeds.....	5,692.28
14	T. S. Hubbard Co.....	Grapevines.....	393.00
17	J. M. Thorburn & Co.....	Seeds.....	168.00
	do.....	do.....	64.00
	do.....	do.....	18.00
	do.....	do.....	2.50
	T. W. Wood & Son.....	Grass seed.....	25.15

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 17	New York Market Gardeners' Association.	Seeds	\$7,128.55
	The Livingston Seed Co .....	.....do	5.00
25	Jno. C. Parker	Book and tags	7.70
31	R. J. Whittleton et al.	Salaries	2,397.07
	Total third quarter		25,916.40
Apr. 1	Jno. C. Parker	Seed bags	20.28
	New York Market Gardeners' Association.	Seeds	7,531.36
11	.....do .....	.....do	11,746.22
15	Mary J. Marr et al.	Services	53.35
17	New York Market Gardeners' Association.	Seeds	8,827.06
18	The Livingston Seed Co	Corn	1.94
	Fred. A. Schmidt	Wax paper	14.80
22	T. W. Wood & Son	Seeds	4.00
29	R. J. Whittleton et al.	Salaries	2,986.80
May 2	New York Market Gardeners' Association.	Seeds	11,501.46
8	Aug. Rölker & Sons	Sugar-beet seed	975.00
	Willett & Gray .....	.....do	896.00
	M. Knauer .....	.....do	495.00
10	New York Market Gardeners' Association.	Seeds	3,437.48
20	A. C. Nellis	Sacks	36.00
	.....do .....	.....do	36.00
	New York Market Gardeners' Association.	Seeds	2,912.50
	.....do .....	.....do	1,192.05
31	R. J. Whittleton et al.	Salaries	2,609.79
June 6	J. H. Shepard, director.	Seeds	109.00
13	Library Bureau	Cards	22.80
	Z. D. Gilman	Copper sulphate	1.50
	Fred. A. Schmidt	Wax paper	9.25
	Louis J. Kessel	Kegs .....	.70
	Standard Oil Co	Oil	4.00
	Rudolph, West & Co	Screen, etc.	45.88
	J. M. Thorburn & Co	Seeds	10.55
	.....do .....	.....do	4.34
	W. Atlee Burpee .....	.....do	14.15
	B. von Herff	Grapevines	19.50
	Henry J. Green	Thermometer	7.00
	Stephenson's Express	Transportation	10.00
20	Rivoire, Pere & Fils	Seeds	5.51
	Vilmorin, Andrieux & Co .....	.....do	2.00
	F. C. Heinemann .....	.....do	2.05
	The Livingston Seed Co	Corn	1.10
21	A. K. Miller & Co	Freight, etc., on plants	38.21
23	New York Market Gardeners' Association.	Seeds	550.00
24	Adams Express Co	Transportation	4.25
29	Blue Line Transfer Co .....	.....do	7.62
	The Geo. W. Knox Express Co	Freight	14.13
	.....do .....	.....do	2.66
30	R. J. Whittleton et al.	Salaries	2,460.67
	Total fourth quarter		58,614.96
	<i>Supplemental.</i>		
July 1	Vilmorin Andrieux & Co	Seeds	79.47
	.....do .....	.....do	44.79
	.....do .....	.....do	121.57
	.....do .....	.....do	54.58
	Haage & Schmidt .....	.....do	3.10
	Wilh. Pfitzer .....	.....do	1.94
	W. & C. Gowie .....	.....do	1.59
	Jas. Veitch & Sons, Limited .....	.....do	10.50
	C. Platz & Son .....	.....do	1.95
	Jas. Carter & Co .....	.....do	12.16
	Thos. S. Ware, Limited .....	.....do	4.00
	Gebr. Rober .....	.....do	85.68
	T. W. Wood & Son .....	.....do	8.50
5	J. M. Thorburn & Co .....	.....do	5.00
	Thos. R. Riley	Tags	16.25
6	S. A. Knapp	Expenses	813.88
12	United States Express Co	Transportation	27.33
	.....do .....	.....do	35.30
	.....do .....	.....do	13.90
	.....do .....	.....do	19.50
	.....do .....	.....do	1.55
22	B. von Herff	Grapevines	1.70
28	Jno. R. Thayer	Expenses	39.37
	.....do .....	.....do	198.19
	.....do .....	.....do	11.39

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
July 29	Library Bureau	Cards	\$2.25
Aug. 8	Will W. Tracy, jr.	Traveling expenses	14.33
11	Jno. C. Parker	Shipping tags	104.30
16	Adams Express Co.	Transportation .....	.50
	Dammann & Co.	Seeds, etc.	39.58
24	A. A. Denton	Services	100.00
Sept. 6	A. J. Pieters	Traveling expenses	19.71
15	Blue Line Transfer Co.	Transportation	5.70
20	The Geo. W. Knox Express Co.	Freight and drayage .....	.88
	United States Express Co.	Transportation	54.16
	Atchison, Topeka and Santa Fé Rwy. Co.	do	19.07
25	New York Market Gardeners' Association	Seeds	40.50
	do	Final payment for seeds	6,895.50
Oct. 5	Adam Express Co.	Transportation	7.15
18	do	do	1.25
Nov. 6	Pennsylvania R. R. Co.	Passenger transportation	26.25
	Detroit, Grand Rapids and Western R. R. Co.	do	4.75
	Total		8,949.12

RECAPITULATION.

First quarter	\$4,885.62
Second quarter	9,310.64
Third quarter	25,916.40
Fourth quarter	58,614.96
Supplemental	8,949.12
Total	107,676.74

FOREIGN SEED AND PLANT INTRODUCTION.

Date.	Name.	Nature of payment.	Total.
1898.			
July 11	M. A. Carleton	Traveling expenses	\$31.30
	do	Salary	350.00
Aug. 24	D. G. Fairchild et al.	Salaries	420.20
	E. J. Brooks & Co.	Numbering machine	8.40
	Thos. Cook & Son	Passenger transportation	122.50
	do	do	66.59
	do	do	30.01
25	A. J. McKee & Co.	Forceps	1.65
31	D. G. Fairchild et al.	Salaries	340.20
Sept. 2	W. T. Swingle	Salary	367.00
7	Bausch & Lomb Optical Co.	Forceps	1.17
13	Robert Gair	Seed pockets	9.18
	Thomas Cook & Son	Passenger transportation	10.25
14	M. A. Carleton	Salary	350.00
	Pennsylvania R. R. Co.	Passenger transportation	6.50
15	J. R. Buckelew	Typewriter	92.25
16	Jno. C. Parker	Seed bags	158.31
30	D. G. Fairchild et al.	Salaries	329.60
	Total first quarter		2,695.11
Oct. 3	W. T. Swingle	Salary	367.00
	M. A. Carleton	do	350.00
	S. A. Knapp	do	350.00
	Wm. A. Taylor	Traveling expenses	67.02
4	Southern Rwy. Co.	Passenger transportation	23.35
	Thos. Binnix	Ventilator	11.25
	Thos. W. Smith	Lumber	7.84
8	Standard Oil Co.	Oil	7.50
14	E. Morrison Paper Co.	Manila paper .....	.75
	Melville Lindsay	Hose	2.00
18	Henry J. Green	Thermometers	9.45
20	E. M. Tilden	Type, ink	5.00
22	F. P. May & Co.	Wire cloth	10.80
24	Pennsylvania R. R. Co.	Passenger transportation	11.55
	Florida Central and Peninsular R. R. Co.	do	9.10
	do	do	4.65
	Georgia Southern and Florida Rwy. Co.	do	1.05

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'

FOREIGN SEED AND PLANT INTRODUCTION—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 25	G. C. Matthams	Pineapples	\$5.00
	Southern Rwy. Co	Passenger transportation	2.64
31	D. G. Fairchild et al.	Salaries	340.20
Nov. 1	R. P. Clarke	Muslin and cotton	2.57
	S. A. Knapp	Salary	350.00
	W. T. Swingle	do	367.00
3	Louis Van Houtte, sr.	Hazlenut plants	10.03
	Kanawha Dispatch	Transportation	6.76
	B. F. Stevens	do	2.33
12	M. A. Carleton	Salary	350.00
16	Rudolph West & Co	Weatherstrips	.72
22	Yawman and Erbe Manufacturing Co	Card-index cabinet	130.32
30	D. G. Fairchild et al.	Salaries	476.34
Dec. 2	Fredck. Carl	Seed sampler	2.50
	E. S. Schmid	Moss	4.50
	M. A. Carleton	Salary	350.00
	S. A. Knapp	do	350.00
	W. T. Swingle	do	367.00
14	Western Union Telegraph Co.	Telegraph service	4.52
19	Oceanic Steamship Co	Expressage	7.55
21	Vilmorin, Andrieux & Co.	Artichokes	13.83
31	O. F. Cook et al.	Salaries	340.20
	Total second quarter		4,722.32
1899.			
Jan. 3	W. T. Swingle	Salary	367.00
	D. G. Fairchild	do	168.50
	S. A. Knapp	do	350.00
	M. A. Carleton	do	350.00
4	Thos. Cook & Son	Passenger transportation	22.35
10	J. R. Buckelew	Typewriter and case	99.00
12	Barber & Ross	Wire	3.06
	The Geo. W. Knox Express Co.	Transportation	32.94
16	E. Morrison Paper Co	Binders' board	2.00
19	Otto Penzig	Freight charges on plants	5.00
21	A. E. Outerbridge & Co	Passenger transportation	64.00
30	Chesapeake and Ohio Rwy Co	do	77.00
	Geo. S. Baker	Transporting pineapples	1.60
Feb. 1	O. F. Cook et al.	Salaries	347.90
	M. A. Carleton	Salary	350.00
	D. G. Fairchild	do	172.20
	W. T. Swingle	do	367.00
	Vilmorin, Andrieux & Co.	Seed and plants	220.78
	do	Grapevines	129.88
	do	Grapevines, almonds, and figs	66.16
	do	Plants	149.26
	M. T. Kains	Traveling expenses	57.91
28	M. A. Carleton	Salary	350.00
	O. F. Cook et al.	Salaries	314.20
Mar. 1	D. G. Fairchild	Salary	155.60
	W. T. Swingle	do	367.00
	S. A. Knapp	do	700.00
7	Library Bureau	Library Bureau cards	11.40
9	R. Carter Ballantyne	Envelopes	2.70
	M. A. Carleton	Expenses in Russia	97.49
14	L. P. Siebold	Custom-house entry	3.00
	Chas. R. Edmonston	Jars	7.15
15	E. Morrison Paper Co	Binders' boards	2.50
17	E. J. Pullman	Photograph supplies	16.93
18	W. T. Swingle	Traveling expenses	29.43
31	O. F. Cook et al.	Salaries	409.90
	M. A. Carleton	Salary	150.00
	Total third quarter		6,020.84
Apr. 1	Western Union Telegraph Co.	Telegraph service	2.49
4	G. W. Moss	Passenger transportation	64.00
14	S. A. Knapp	Salary	169.35
18	Wm. M. Reardon	Transportation, plants	200.10
22	Henry H. Brown	Photograph supplies	58.50
29	T. D. Chapman	Plowing, etc	42.00
	O. F. Cook et al.	Salaries	542.20
May 11	T. D. Chapman	Plowing, etc	60.00
16	F. V. Coville	Work on flats	92.00
26	Walter T. Swingle	Salary, March	367.00
	do	Salary, April	367.00
	D. G. Fairchild	Salary, March	172.20
	do	Salary, April	164.80
27	Maurice G. Kains	Traveling expenses	76.10

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

FOREIGN SEED AND PLANT INTRODUCTION—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 27	M. A. Carleton	Traveling expenses	\$92.47
29	T. D. Chapman	Work on flats	57.00
31	O. F. Cook et al.	Salaries	483.02
June 1	P. Mann & Co.	Hinges, etc.	3.05
3	Fredk. V. Coville	Services and material	8.55
9	Walter T. Swingle	Salary	367.00
13	Jas. B. Lambie	Axes, hoes, etc.	7.56
	P. Mann & Co.	Harrow and roller	44.00
	Rudolph, West & Co.	Shovels	2.01
27	Central R. R. Co. of New Jersey	Passenger transportation	6.50
30	O. F. Cook et al.	Salaries	392.20
	Total fourth quarter		3,841.10
	<i>Supplemental.</i>		
July 1	Thos. Cook & Son	Passenger transportation	144.20
3	P. H. Carson	Plowing	40.25
5	Thos. Cook & Son	Passenger transportation	27.98
	J. R. Buckelew	Typewriter	90.00
	Church & Stephenson	Lumber	34.04
	do	do	47.25
6	Thos. Cook & Son	Passenger transportation	18.38
	do	do	95.41
	E. H. Mulder	Tobacco seed	75.00
	Jas. B. Lambie	Lime	.60
20	I. P. Roosa	Freight	3.00
28	Walter T. Swingle	Salary	367.00
Aug. 24	P. H. Heiskell, jr., & Co.	Corn planter, plow, etc.	22.28
Sept. 6	Thos. Cook & Son	Passenger transportation	24.26
20	United States Express Co.	Transportation	43.30
	Total		1,032.95

RECAPITULATION.

First quarter	\$2,695.11
Second quarter	4,722.32
Third quarter	6,020.84
Fourth quarter	3,841.10
Supplemental	1,032.95
Total	18,312.32

INVESTIGATING PRODUCTION OF DOMESTIC SUGAR.

Date.	Name.	Nature of payment.	Total.
1898.			
Aug. 2	Chas. F. Saylor	Salary	\$225.00
11	do	Traveling expenses	74.40
	do	Expenses	1.75
Sept. 3	do	Salary	225.00
13	The White, Corbin & Co.	Envelopes	8.55
	Chas. F. Saylor	Traveling expenses	.91
	do	Expenses	.50
14	Chicago and Northwestern Rwy. Co.	Passenger transportation	8.77
	Burlington and Missouri River R. R. in Nebraska.	do	4.41
15	Fred. A. Schmidt	Wax manila paper	51.80
	Jno. C. Parker	Tags	17.00
	do	do	16.00
21	Faxon, Horton & Gallagher	Chemicals	10.26
22	J. M. Hellings	Labor	1.00
	James Hellings	do	6.30
	A. A. Denton	Services	32.26
	E. L. Calvin	do	29.03
	J. A. Allen	do	3.30
	E. H. Williams	do	14.70
	J. B. Stockstill	do	11.88
	T. A. Stockstill	do	5.60
	Geo. W. Ayer	do	3.50
23	Atchison, Topeka and Santa Fé Rwy. Co.	Passenger transportation	5.00
26	Illinois Central R. R. Co.	do	1.63
	Total first quarter		849.26

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

INVESTIGATING PRODUCTION OF DOMESTIC SUGAR—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 3	Eimer & Amend	Tubes, etc	\$10. 10
	The White, Corbin & Co	Envelopes	7. 00
	John Schultzbach	Funnels, tubes, etc	84. 00
4	P. Mann & Co	Grater	7. 25
12	Chas. F. Saylor	Salary	225. 00
	do	Traveling expenses	125. 17
	do	Expenses	1. 85
19	G. E. Patrick	Traveling expenses	58. 15
	J. B. Shanks	Hauling cane	11. 46
	Claude E. Walter	Services	7. 00
	E. H. Williams	do	24. 94
	T. A. Stockstill	do	10. 70
	J. A. Allen	do	1. 86
	J. B. Stockstill	do	33. 60
	A. A. Denton	do	85. 00
	Jas. Hellings	do	6. 35
	J. M. Hellings	do	25. 13
	E. L. Calvin	do	75. 00
24	Pennsylvania R. R. Co	Passenger transportation	34. 35
	Chicago and Northwestern Rwy. Co	do	5. 12
	Union Pacific R. R. Co	do	13. 35
	Chicago, Milwaukee and St. Paul Rwy. Co	do	3. 48
	The Chicago, Burlington and Quincy R. R. Co	do	5. 80
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co	do	17. 60
Nov. 7	Chas. F. Saylor	Salary	225. 00
	Jos. Mathy	Tin cups	6. 00
8	Frank Simpson	Services	8. 40
14	Chas. F. Saylor	Traveling expenses	102. 05
16	Barber & Ross	Scales	3. 50
	Z. D. Gilman	Filters	45. 00
22	G. E. Patrick	Traveling expenses	59. 75
Dec. 1	A. A. Denton	Salary	33. 33
2	Chas. F. Saylor	do	225. 00
	J. M. Hellings	Services	9. 75
5	Bemis Bros. Bag Co	Bags	6. 42
	Geo. Mawson	Sorghum cane	14. 09
	H. H. Case	Laboratory fittings	8. 15
	Chase Hardware Co	do	14. 57
	J. R. Young Drug Co	do	6. 20
7	G. E. Patrick	Expenses	6. 78
	do	do	5. 94
	do	do	3. 75
8	Flint and Pere Marquette R. R. Co	Passenger transportation	7. 17
12	Chas. F. Saylor	Traveling expenses	148. 02
	do	Expenses	1. 90
19	Pennsylvania R. R. Co	Passenger transportation	6. 50
	Grand Trunk Rwy. System	do	7. 97
	Total second quarter		1,836. 50
1899.			
Jan. 4	C. F. Saylor	Salary	225. 00
5	do	Traveling expenses	81. 60
	do	Expenses	33. 00
6	Chicago and Great Western Rwy. Co	Passenger transportation	8. 50
12	J. O. Hahn	Services	10. 00
	H. W. Wiley	Traveling expenses	24. 70
	The Geo. W. Knox Express Co	Transportation	7. 59
16	C. F. Saylor	Salary	108. 87
28	Adams Express Co	Transportation	2. 10
30	Lehigh Valley R. R. Co	Passenger transportation	3. 45
	Fredk. Deffer	Salary	21. 00
Feb. 1	T. J. Best	Rent laboratory	41. 31
	Southern California Rwy. Co	Passenger transportation	5. 00
	Chicago, Milwaukee and St. Paul Rwy. Co	do	8. 34
2	Fred. A. Schmidt	Wax manila paper	25. 90
3	Chicago and Great Western Rwy. Co	Passenger transportation	60. 90
	United States Express Co	Transportation	3. 00
	do	do	4. 00
28	Atchison, Topeka and Santa Fé Rwy. Co	Passenger transportation	33. 80
	Maud S. Chamberlin et al	Salaries	122. 60
Mar. 1	Chas. F. Saylor	Salary	341. 13
	Pennsylvania R. R. Co	Passenger transportation	6. 50
13	Chas. F. Saylor	Traveling expenses	79. 96
	do	do	71. 08
	do	Expenses	3. 00
	do	do	26. 40
14	The Geo. W. Knox Express Co	Transportation	16. 87

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

INVESTIGATING PRODUCTION OF DOMESTIC SUGAR—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 16	Pennsylvania Co	Passenger transportation	\$17.50
31	Maud S. Chamberlin et al	Salaries	132.20
	Total third quarter		1,526.20
Apr. 1	Jno. C. Parker	Tags	6.40
12	Chas. F. Saylor	Traveling expenses	92.85
	.....do	Salary	225.00
24	.....do	Expenses	16.50
25	Pennsylvania R. R. Co	Passenger transportation	17.00
29	Maud S. Chamberlin et al	Salaries	127.00
May 8	May Strandes	Sugar-beet seed	800.00
16	Chas. F. Saylor	Salary	225.00
22	Chas. F. Saylor	Traveling expenses	59.40
26	Jno. C. Parker	Tags	8.00
31	M. S. Chamberlin et al	Salaries	131.50
June 16	Chas. F. Saylor	Salary	225.00
20	Blue Line Transfer Co	Transportation	65.85
24	.....do .....	.....do	1.40
30	M. S. Chamberlin et al	Salaries	131.12
	Total fourth quarter		2,132.02
	<i>Supplemental.</i>		
July 6	Chas. F. Saylor	Traveling expenses, May	77.95
	.....do	Expenses, May	6.45
8	.....do	Salary, June	225.00
	.....do	Traveling expenses, June	104.12
Aug. 3	Des Moines Northern and Western R. R. Co	Passenger transportation	2.50
26	Chas. F. Saylor	Expenses	2.85
Sept. 6	The Atchison, Topeka and Santa Fé Rwy. Co.	Passenger transportation	6.15
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co. ....	.....do	3.80
Oct. 18	Adams Express Co	Transportation	2.45
	The Geo. W. Knox Express Co .....	.....do	2.77
	Total		434.04

RECAPITULATION.

First quarter	\$849.26
Second quarter	1,836.50
Third quarter	1,526.20
Fourth quarter	2,132.02
Supplemental	434.04
Total	6,778.02

BUREAU OF ANIMAL INDUSTRY.

Date.	Name.	Nature of payment.	Total.
1898.			
July 7	De Witt Goodrich	Butter	\$201.33
18	Hovey, Clark & Co .....	.....do	218.67
19	Geo. E. Howard	Services	72.58
21	The B-R Electric Co	Electric fans	96.00
	J. B. Graham	Traveling expenses	22.25
	C. F. Dawson .....	.....do	2.30
23	Photo Chromotype Engraving Co	Illustrating bulletin	17.90
	E. B. Woodward	Butter	240.66
	Iowa Agricultural College .....	.....do	200.64
	Kny Scheerer Co	Supplies	36.00
25	Spencer Lens Co .....	.....do	8.10
	E. L. Willson & Co	Repairing pump	7.50
26	Arthur R. Wake	Traveling expenses	11.68
30	Geo. F. Thompson et al	Salaries	1,222.04
Aug. 3	Geo. E. Howard	Services	77.42
	Jno. P. Turner .....	.....do	65.22
4	Morris Wooden et al	Salaries	1,767.25
	W. H. Rose et al .....	.....do	976.90
	Fredk. Braginton et al .....	.....do	178.50
	Julius Huelsen et al .....	.....do	621.40
	A. G. G. Richardson et al .....	.....do	789.30

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Aug. 4	Edw. P. Dowd et al	Salaries	\$161.70
	H. A. Hedrick et al	do	478.30
	Wm. M. Balmer et al	do	728.07
	E. P. Schaffter et al	do	754.00
5	Geo. E. Howard	Traveling expenses	68.49
	Hamburg-American Line	Butter	21.50
	J. S. Harley	Supplies	5.63
	Hoard's Creameries	Butter	782.15
	J. G. Turnbull	do	216.07
	The Photo Chromotype Engraving Co.	Supplies	4.80
6	Archibald McBride et al	Salaries	525.56
	Chas. A. Schauffer et al	do	840.30
	Lewis R. Baker et al	do	931.20
	T. A. Shipley et al	do	715.18
	Albert Dean et al	do	567.36
	W. S. Cass et al	do	847.84
	R. W. Hickman et al	do	1,935.33
	C. L. Morin	Services	20.00
	H. P. Arnsby	do	84.20
	F. W. Huntington	do	101.10
	C. M. Day	do	101.10
	Tooeie A. Geddes	do	134.80
9	H. B. Davidson	Rent of land	50.00
	W. M. Galt & Co	Oats	175.00
	Wyckoff, Seamans & Benedict	Repairs to typewriter	50.00
	J. R. Buckelew	Typewriter, etc	95.10
10	W. D. Robbins et al	Salaries	161.70
	Lowe Clarke et al	do	280.84
	Chas. Keane et al	do	222.30
	Geo. C. Faville et al	do	338.50
	Jno. R. Mohler et al	do	479.40
	Wm. Thompson et al	do	668.00
	F. L. DeWolf et al	do	851.35
	A. E. Behnke et al	do	1,542.90
	S. Stewart et al	do	1,543.68
	Don C. Ayer et al	do	3,112.67
	Saml. E. Bennett et al	do	3,507.52
	Arthur B. Morse	Services	117.90
	J. J. Summerfield	do	101.10
	S. J. Murray	do	101.10
	Jno. A. Kiernan	do	42.39
	R. P. Steddom	do	101.10
	Geo. A. Bond	do	101.10
	Thos. A. Bray	do	101.10
	Frank C. Eells	do	78.26
	W. E. Hill	do	101.10
	Wm. D. Jordan	do	101.10
	Dan McCunningham	do	101.10
	P. H. Mallowney	do	101.10
	F. T. Shannon	do	61.96
	Chas. H. Blemer	do	117.90
	A. M. Adams	do	101.10
	L. J. Allen	do	101.10
	W. N. D. Bird	do	101.10
	Dennison Manufacturing Co	Tags	210.00
	Kny Scheerer Co	Supplies	21.00
11	Thos. J. Turner et al	Salaries	1,320.45
	J. J. Brougham et al	do	1,567.65
	Jno. Forbes et al	do	1,780.29
	E. Balzer	do	3,181.29
	H. B. Davidson	Green feed	10.00
12	W. S. Devoe et al	Salaries	7,904.28
	Benj. S. Paddock	do	390.50
	Wm. H. Baker	do	1,933.65
	United States Electric Lighting Co	Electric current	9.43
13	Thos. W. Oshel et al	Salaries	176.90
	Thos. Castor et al	do	719.15
	W. H. Gibbs et al	do	231.68
	E. N. Hutchinson et al	do	222.30
	Wm. A. Heck et al	do	426.21
	S. L. Brooking et al	do	1,335.09
	Jno. McBirney et al	do	167.41
	Ira K. Atherton et al	do	178.00
	Geo. Ditewig et al	do	252.70
	Joshua Miller et al	do	549.55
	John P. O'Leary et al	do	1,425.55
	O. B. Hess et al	do	410.84
	Geo. S. Baker et al	do	710.80
	H. N. Waller et al	do	372.68
	A. J. Payne et al	do	468.21

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Aug. 13	N. C. Sorensen et al	Salaries	\$330.12
	A. J. Murray	Services	25.00
	Chas. H. Stevens	do	117.90
	Geo. A. Bond	Traveling expenses	37.50
	J. J. Summerfield	do	7.60
	W. N. D. Bird	do	15.50
	J. C. Keely	do	11.10
	Chas. M. Day	do	9.40
	D. R. Way	do	50.08
	Wm. C. Honan	do	21.59
	Geo. S. Baker	do	14.60
15	Geo. E. Howard	Services	72.58
16	N. P. Hinkley et al	Salaries	822.62
	W. H. Wray	Services	387.50
	F. M. Hunter	do	84.20
	A. R. Wake	do	84.78
	O. B. Hess	do	19.02
	Chas. Cowie	do	10.00
	F. L. Russell	do	64.00
	G. W. Ward	do	15.00
	J. F. Ryder	do	141.30
	W. H. Wray	Traveling expenses	26.37
	O. B. Hess	do	16.00
	J. E. Kiernan	do	14.05
	Geo. C. Moser	do	26.75
	F. L. Russell	do	32.65
	G. W. Ward	do	1.80
	Geo. Carter	do	2.87
	J. C. Collahan	do	1.92
	J. M. Turner	do	4.35
	W. E. Stoner	do	3.95
	Benj. Howes	do	5.25
	C. L. Morin	do	3.45
	J. F. Ryder	do	30.50
	Pennsylvania R. R. Co.	Freight on butter	24.21
	E. B. Woodward	Butter	143.40
	Schwarzchild & Sulzberger Co.	do	13.31
	Hovey, Clark & Co	do	732.20
	Einaer & Amend	Supplies	27.00
	Albert Lea Dairy Association	Butter	658.46
	Cornish, Curtis & Greene Manufacturing Co	Butter boxes	49.50
17	Jno. A. Bell	Services	16.00
	F. M. Perry	do	88.00
	Jas. Irwin	do	84.20
	N. B. Ashbey	do	200.00
	Don C. Ayer	Office expenses	1.85
	Julius Huelsen	do	3.25
	Chas. Cowie	do	.50
	W. S. Cass	do	5.65
	Albert E. Behnke	do	5.00
	O. B. Hess	do	1.50
	W. H. Rose	do	10.40
	W. S. Cass	Traveling expenses	5.80
	Jno. A. Bell	do	3.32
	Chas. H. Blemer	do	92.13
	R. P. Steddom	do	55.19
	Dan McCuningham	do	61.33
18	Jno. McBirney	do	63.01
	P. H. Mullowney	do	24.40
	F. T. Shannon	do	16.50
	Jos. S. Keane	do	9.70
	W. D. Jordan	do	59.45
	Boyd Baldwin	do	15.75
	F. M. Perry	do	30.70
	Chas. A. Schaufler	Office expenses	7.55
	J. J. Brougham	do	8.18
	L. A. Robinson	Traveling expenses	1.75
	O. J. Lanigan	Hire horse	15.00
	Jno. Forbes	Hire horse and buggy	15.00
	Jas. W. Davis	do	16.00
	Armour Packing House	Services	20.46
	Hamburg-American Line	Freight, Dairy Division	20.02
	Waters Pierce Oil Co	Dynamo oil	700.00
	The J. C. Ergood Co	Soap	7.67
	Great Falls Ice Co	Ice	21.54
	South Omaha Ice Co	do	2.25
	C. F. Bierbaum & Bro	Gold-lettered sign	4.00
	J. W. Bush	Leather straps	7.20
	W. A. Griswold	Soap	3.50
	Frank D. Stalnaken	Water cooler	5.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Aug. 18	Rand, McNally & Co	Ink, etc	\$5.80
	Frontier Laundry	Washing towels	2.92
19	Frank C. Eeils	Traveling expenses	8.20
	Chas. H. Stevens	do	39.76
	Washington Gas Light Co	Gas	15.60
	A. Hoen & Co	Supplies	125.55
20	W. A. Taggart	Hire horse	12.50
	W. M. Galt & Co	Feed for animals	97.50
22	J. A. Turner & Co	Office rent	12.00
	B. H. Adams	do	40.00
	Bay State Clean Towel Furnishing Co	Towel service	11.88
	A. G. G. Richardson	Hire horse and buggy	40.00
	Schwarzschild & Sulzberger Co	Transportation	30.13
23	St. Louis National Stock Yards	Office rent	75.00
	St. Joseph Stock Yards Co	do	15.00
	Belt R. R. Stock Yards Co	do	10.00
	Geo. S. Hickox	Street-car fare	3.00
	Nebraska Telephone Co	Telephone service	4.10
	O. B. Hess	Hire horse and buggy	20.97
	O. E. Dyson	Hire saddle horse	15.00
	J. Haberle	Repairing lock boxes	9.25
	A. E. Behnke	Hire horse and buggy	35.00
24	Cecil K. Schafer	Traveling expenses	10.15
	Toolie A. Geddes	do	84.09
	Newton B. Ashley	do	75.99
25	Jno. R. Galloway	Electric fans	120.00
	Mackall Bros	Supplies	11.00
	W. M. Galt & Co	Oats	3.30
	Thos. Somerville & Sons	Fulley	2.40
	A. Wilson & Bros	Cows	250.00
	do	Cabbage	1.00
	E. J. Pullman	Supplies	4.20
	Wm. Lochte	Shoeing horses	3.00
	Rudolph, West & Co	Cattle chains, etc	24.10
27	A. J. Murray	Traveling expenses	13.00
	Cleary Bros	Hire horses and wagon	26.00
	New England Telephone and Telegraph Co	Telephone service	14.00
	New York Telephone Co	do	12.73
	Jno. Wanamaker	Water cooler, etc	6.75
31	D. E. Salmon	Traveling expenses	48.75
	Geo. F. Thompson et al	Salaries	1,300.60
Sept. 2	Rufus P. Clarke	Towels	3.93
	Victor A. Norgaard	Traveling expenses	77.80
6	Toolie A. Geddes	do	31.06
	W. C. Rayen	do	16.05
	do	Services	100.00
7	Dennison Manufacturing Co	Supplies	3.25
	Chicago Car Seal and Manufacturing Co	do	3.75
	Library Bureau	White cards	14.25
	Yawman & Erbe Manufacturing Co	Cases for Dairy Division	6.00
	Geo. E. Howard	Services	77.42
8	Wm. M. Balmer et al	Salaries	741.06
	Morris Wooden et al	do	1,657.21
	A. G. G. Richardson et al	do	783.51
	Edw. P. Dowd et al	do	161.70
	W. H. Rose et al	do	976.90
	Albert Dean et al	do	505.40
	C. J. Sihler	Services	55.43
	F. W. Huntington	do	101.10
	J. J. Summerfield	do	101.10
	R. P. Steddom	do	101.10
	Sylvester J. Murray	do	101.10
	Dan. McCunningham	do	101.10
	Jno. A. Kiernan	do	101.10
	Jas. C. Keely	do	101.10
	W. D. Jordan	do	101.10
	W. E. Hill	do	101.10
	Geo. A. Bond	do	101.10
	W. N. D. Bird	do	101.10
	Thos. A. Bray	do	101.10
	Abram M. Adams	do	101.10
	Chas. H. Elemer	do	117.90
	Chas. H. Stevens	do	117.90
9	Edwd. P. Schaffter et al	Salaries	882.76
	Chas. A. Schaufier et al	do	801.05
	H. W. Waller et al	do	409.94
	Jno. Forbes et al	do	1,854.88
	W. A. Heck et al	do	352.79
	W. H. Gibbs et al	do	200.40
	A. J. Payne et al	do	515.45

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 9	T. A. Shippley et al.	Salaries	\$659.12
	Geo. Ditetwig et al.	do	252.07
	T. J. Turner et al.	do	1,402.07
	Chas. Keane et al.	do	120.67
	F. T. Shannon et al.	do	375.90
	W. D. Robbins et al.	do	132.40
	E. N. Hutchinson et al.	do	222.30
10	H. P. Armsby	Services	84.20
	Jas. Irwin	do	84.20
	P. H. Mullooney	do	97.83
	L. J. Allen	do	101.10
	A. R. Wake	do	101.10
	Chas. M. Day	do	101.10
	A. B. Morse	do	117.90
	Tooie A. Geddes	do	124.80
	do	do	16.95
	C. O. Goodpasture	do	34.05
	H. B. Davidson	Rent of land	50.00
	Archd. McBride et al.	Salaries	611.83
	Thos. W. Oshel et al.	do	176.90
	N. C. Sorensen et al.	do	375.75
	Jno. McBirney et al.	do	306.90
	Ira K. Atherton et al.	do	116.75
	Geo. C. Faville et al.	do	338.50
	Julius Huelsen et al.	do	519.25
	H. A. Hedrick et al.	do	478.30
	Fredk. Bragington et al.	do	178.50
	W. S. Cass et al.	do	874.76
	N. P. Hinkley et al.	do	812.45
12	Lewis R. Baker et al.	do	931.20
	S. L. Brooking et al.	do	1,286.24
	Jno. P. O'Leary	do	1,416.46
	Saml. E. Bennett	do	3,490.60
13	Iowa Agricultural College	Butter	658.35
	do	do	413.82
	Cornish, Curtis & Greene Manufacturing Co.	Butter boxes	47.43
	Hoard's Creamery	Butter	1,108.56
	E. A. de Schweinitz	Traveling expenses	90.00
	do	Office expenses	20.65
14	Galveston, Harrisburg and San Antonio Rwy. Co.	Passenger transportation	28.80
	Chicago and North Western Rwy. Co.	do	10.84
	O. B. Hess et al.	Salaries	135.51
	Joshua Miller et al.	do	569.41
	Geo. S. Baker et al.	do	710.80
	Lowell Clarke et al.	do	1,261.64
	A. E. Behnke et al.	do	1,542.90
	R. W. Hickman et al.	do	1,833.73
	Wm. H. Baker et al.	do	2,312.25
	W. B. Niles	Services	45.65
	Frank L. De Wolf et al.	Salaries	799.35
	J. J. Brougham et al.	do	1,677.97
	Mary B. Clark et al.	do	796.08
	William Thompson et al.	do	784.30
	Jno. R. Mohler et al.	do	735.38
	A. J. Murray	Services	35.00
	Great Northern Rwy. Co.	Passenger transportation	12.10
	International and Great Northern R. R. Co.	do	31.50
	Pennsylvania R. R. Co.	do	16.44
	do	do	12.00
	Burlington and Missouri River R. R. Co.	do	2.56
15	R. A. Pearson	Traveling expenses	126.58
	United States Electric Lighting Co.	Electric current	9.60
	J. R. Buckelew	Letter paper	33.60
	R. P. Clarke	Towels	20.10
	Jno. C. Parker	Blank books, etc.	34.70
16	E. Balzer et al.	Salaries	3,876.62
	Geo. E. Howard	Traveling expenses	97.38
17	J. J. Summerfield	do	8.50
	C. L. Morin	Services	32.00
	do	Traveling expenses	3.05
	Jno. A. Bell	Services	24.00
	do	Traveling expenses	5.32
20	E. M. Tilden	Supplies	2.65
	Benj. Howes	Traveling expenses	19.37
	B. P. Wende	do	3.75
	L. A. Robinson	do	3.76
	N. K. Fegley	do	3.60
	Chas. Cowie	Services	20.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 20	Chas. Cowie	Traveling expenses	\$0.50
	W. S. Devoe et al	Salaries	7,991.88
	S. Stewart	do	2,170.99
	Don. C. Ayer	do	3,465.29
21	Geo. E. Howard	Services	75.00
	W. E. Hill	Traveling expenses	12.45
	Geo. C. Moser	do	9.70
	C. J. Sihler	do	4.10
	Geo. A. Bond	do	27.85
	Jas. C. Keely	do	32.30
	Wm. M. D. Bird	do	12.00
	R. P. Steddom	do	61.25
	W. S. Cass	do	6.50
	W. B. Niles	do	8.51
	Jno. E. Hart	do	2.25
	Chas. H. Stevens	do	82.17
	Chas. M. Day	do	14.90
	Geo. S. Baker	do	14.80
	Jno. McBirney	do	69.20
	T. A. Geddis	do	82.15
	Wm. C. Honan	do	23.70
	W. H. Wray	Services	387.50
	do	Traveling expenses	62.08
	F. M. Hunter	Services	84.20
	J. F. Ryder	do	32.61
	Schwarzschild & Sulzberger	Transporting butter	62.00
	Hovey, Clark & Co	Butter	1,281.31
	Belt R. R. Stock Yards Co.	Rent of office	10.00
	Swift & Co	Transportation	120.25
	F. L. Russell	Services	120.00
	Albert Lea Dairy Association	Butter	1,152.30
	American Railway Supply Co.	Tags	148.50
	Chas. O. Brockway	Supplies	88.00
22	R. A. Pearson	Traveling expenses	25.40
	Library Bureau	Index cards	3.70
	Eimer & Amend	Nicotine	8.00
	W. S. Cass	Office expenses	2.00
	D. R. Way	Traveling expenses	69.15
	Jas. W. Davis	Use horse and buggy	16.00
	A. E. Behnke	do	35.00
	Jno. Forbes	Maintenance of horse	15.00
	O. E. Dyson	Use horse and buggy	15.00
	Cleary Bros	Use horse and wagon	27.00
	O. J. Lanigan	Use horse	15.00
	W. A. Taggart	do	12.50
	Saml. E. Bennett	do	4.44
	do	do	23.00
	Geo. E. Faville	Office expenses	7.40
23	A. G. Richardson	Use horse and buggy	40.00
24	Adams Express Co	Transportation	12.95
	F. L. Russell	Traveling expenses	69.43
	New England Telephone and Telegraph Co.	Telephone service	14.00
	B. H. Adams	Rent of office	40.00
	New York Telephone Co	Telephone service	7.85
	J. A. Turner Co	Rent of office	12.00
	R. H. Treacy	Traveling expenses	63.95
	do	Services	42.39
	Wm. D. Jorden	Traveling expenses	77.56
	Dan McCuningham	do	44.77
	Abram M. Adams	do	28.05
	Chas. H. Blemer	do	28.35
	J. Haberle	Repairing lock boxes	5.65
	St. Joseph Stock Yards Co.	Office rent	15.00
	Duncan School Furniture Co.	Furniture	25.50
	St. Louis National Stock Yards	Office rent	75.00
	Nebraska Telephone Co	Telephone service	4.35
26	Pennsylvania R. R. Co	Freight on butter	40.49
	do	do	51.19
	Great Northern Rwy. Co	Passenger transportation	12.10
	Galveston, Harrisburg and San Antonio Rwy. Co.	do	38.90
	Alice & Brownsville Stage Co	do	15.00
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	5.84
	San Antonio and Aransas Pass Rwy. Co.	do	8.90
	do	do	8.90
28	D. E. Salmon	Traveling expenses	99.95
	Wm. E. Pratt	Hog rings	151.65
	Chicago Car Seal Manufacturing Co.	Car seals	150.00

86 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 23	Chicago Car Seal & Manufacturing Co.	Car seals	\$131.25
30	Geo. F. Thompson et al	Salaries	1,293.97
	Total first quarter		134,411.27
Oct. 1	Rudolph, West & Co	Buckets, etc	3.96
	W. M. Galt & Co	Feed for animals	272.50
	do	Oats	3.30
	Jas. B. Lambie	Lime	2.00
	Wm. Lochte	Shoeing horse	4.00
	J. B. Lindner	Cow	25.00
	Z. D. Gilman	Supplies	38.95
	do	do	8.55
	do	Sulphuric acid	3.78
	Mackall & Ball	Coal	268.50
	Capital Traction Co.	Street-car tickets	10.00
	The McDermott Carriage Co.	Repairs to wagon	5.50
	Washington Gas Light Co	Gas	16.10
	The Maurice Joyce Engraving Co.	Engraving diagrams	1.50
	Mackall Bros	Supplies	11.60
	Georgetown and Tennallytown Rwy. Co ..	Coupon street-car tickets	5.00
	Great Falls Ice Co	Ice	25.97
	Alfred J. Smith	Traveling expenses	2.25
	E. C. Schroeder	Office expenses	2.70
	C. O. Goodpasture	Services	81.60
3	Chas. W. Stiles	Traveling expenses	179.81
	G. W. Ward	Services	50.00
	do	Traveling expenses	11.00
	Bay State Clean Towel Furnishing Co ..	Towel service	8.98
	New York Telephone Co	Telephone service	13.25
	J. P. Nawrath	Linen	8.74
	Chadwick Copying Book Co	Letter-copying books	23.58
	New York Stencil Works	Compressor frames	130.00
	Pacific Telephone and Telegraph Co ..	Telephone service	30.00
	B. P. Oliver	Office rent	60.00
	Doane Bros	Boxes	2.46
	Rand, McNally & Co	Ink	4.75
	Jno. Schroeder	Rope	2.25
	Jas. Stewart	Casters for desk	2.50
	The Architectural Wood Works	Screen door, etc.	11.00
	A. J. Murray	Traveling expenses	21.50
	J. J. Brongham	Office expenses	6.38
	L. Beyer	Hauling	2.65
	Frontier Steam Laundry Co	Towel supply	9.84
	South Omaha Ice Co	Ice	3.00
4	Tooeie A. Geddes	Services	130.40
	W. H. Hoeko	Table	8.00
5	Chas. H. Stevens	Services	114.20
	Nathan K. Fegley et al	Salaries	488.00
	A. G. G. Richardson et al	do	749.38
	H. A. Hedrick et al	do	463.40
	W. M. Balmer et al	do	808.97
	W. H. Rose et al	do	946.20
	H. B. Davidson	Office rent	50.00
6	Keen & Haggerty	Tin boxes	10.50
7	W. C. Rayen	Services	100.00
	Ira K. Atherton	do	114.20
	Archibald McBride et al	Salaries	599.52
8	W. S. Devoe et al	do	7,850.28
	Wm. H. Baker et al	do	2,096.46
	United States Electric Lighting Co	Electric current	6.93
	C. O. Goodpasture	Traveling expenses	27.50
	V. A. Norgaard	do	53.80
10	R. W. Hickman et al	Salaries	1,774.03
	N. P. Hinkley et al	do	719.84
	Edw. P. Dowd et al	do	156.60
	Geo. C. Faville et al	do	328.00
	Chas. A. Schaufier et al	do	802.43
	Morris Wooden et al	do	1,573.27
	F. W. Huntington	Services	97.80
	Don C. Ayer et al	Salaries	3,510.98
	Geo. Ditewig et al	do	244.60
	N. C. Sorensen et al	do	417.60
	A. J. Payne et al	do	567.88
	Fredck. Braginton et al	do	173.00
	L. R. Baker et al	do	902.60
	Thos. W. Oshel et al	do	187.60
	E. A. de Schweinitz	Office expenses	45.00
11	E. Balzer et al	Salaries	4,645.71
	S. L. Brooking et al	do	1,305.40

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 11	N. B. Ashby	Services	\$266.67
	H. E. Alvord	Traveling expenses	85.72
12	Chas. M. Day	Services	97.80
	Jas. Irwin	do	81.60
	Albert Dean et al	Salaries	587.00
	Jas. C. Keely	Services	97.80
	W. D. Jordan	do	97.80
	W. E. Hill	do	97.80
	Thos. A. Bray	do	48.91
	A. M. Adams	do	97.80
	Dan McCunningham	do	97.80
	C. J. Sihler	do	88.04
	J. J. Summerfield	do	97.80
	S. J. Murray	do	97.80
	L. J. Allen	do	97.80
	W. N. D. Bird	do	97.80
	Chas. H. Blemer	do	114.20
	J. A. Kiernan	do	97.80
	Geo. A. Bond	do	97.80
	S. Stewart et al.	Salaries	2,368.18
	S. E. Bennett et al	do	3,464.52
	E. A. de Schweinitz	Traveling expenses	63.10
	do	Office expenses	4.55
	do	do	19.60
13	Edwd. P. Schaffter et al	Salaries	624.02
	Harry N. Waller et al	do	404.34
	Thos. J. Turner et al	do	1,183.76
	Frank L. De Wolf et al	do	726.78
	Wm. Thompson et al	do	1,162.98
	Wm. A. Heck et al	do	483.46
	Jno. McBirney et al	do	339.20
	J. J. Brougham et al	do	1,605.15
	John Forbes et al	do	1,677.38
	Geo. S. Baker et al	do	688.40
	W. B. Niles	Services	114.20
	A. J. Murray	do	5.00
14	United States Express Co	Transportation	9.25
	E. Morrison Paper Co	Bands	15.12
	Washington Gas Light Co	Gas	17.60
17	A. J. Murray	Traveling expenses	3.00
	W. E. Hill	do	18.00
	Geo. C. Moser	do	23.65
	W. B. Niles	do	19.74
	do	do	14.04
	C. J. Sihler	do	4.75
	F. M. Perry	Services	216.00
	do	do	232.00
	Chas. Cowie	Traveling expenses	1.00
	do	Services	40.00
	F. L. Russell	do	136.00
	do	Traveling expenses	84.45
	C. L. Morin	do	11.85
	do	Services	52.00
	Jno. A. Bell	do	96.00
	do	Traveling expenses	23.04
	W. H. Gibbs	Services	97.80
	Arthur B. Morse	do	114.20
	W. D. Robbins	do	97.80
	O. B. Hess et al	Salaries	173.00
	Lowell Clarke et al	do	1,235.46
	Frank T. Shannon et al	do	378.60
	T. A. Shipley et al	do	699.52
	Robt. Darling et al	do	999.84
	Chas. Keane et al	do	97.80
	Joshua Miller et al	do	488.38
	E. N. Hutchinson et al	do	215.40
	W. S. Cass et al	do	862.31
	Albert E. Behnke et al	do	1,481.18
	Jno. E. Mohler et al	do	722.36
	W. H. Wray	Services	375.00
	do	Traveling expenses	10.80
	do	Office expenses	3.54
	F. M. Hunter	Services	81.60
	J. F. Ryder	do	163.00
	do	Traveling expenses	30.00
	Henry P. Armsby	Services	81.60
	Jno. P. O'Leary et al	Salaries	1,114.84
18	Newton B. Ashby	Traveling expenses	99.08
	do	Office expenses	7.68
	do	do	5.26

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 18	D. E. Salmon	Traveling expenses	\$46.75
19	Don C. Ayer	Office expenses	3.00
	Chas. A. Schaufler	do	11.30
	W. H. Rose	do	11.95
	G. W. Ward	Services	110.00
	B. P. Wende	Traveling expenses	1.95
	Benj. Howes	do	6.85
	W. C. Honan	do	22.39
	A. P. Little	Supplies	2.50
	W. S. Cass	Traveling expenses	5.40
	Geo. S. Baker	do	14.90
	A. R. Wake	Services	97.80
	A. M. Adams	Traveling expenses	19.65
	Chas. H. Blemer	do	9.75
	W. C. Rayen	do	17.30
	Chas. M. Day	do	3.25
	The White, Corbin & Co.	Envelopes	24.00
20	Rice P. Steddum	Traveling expenses	46.55
	D. R. Way	do	65.55
	F. M. Perry	do	105.80
	do	do	82.69
	Jno. McBirney	do	63.50
	W. D. Jordan	do	71.00
	Dan McCuningham	do	51.20
	Chas. H. Stevens	do	5.24
	G. W. Ward	do	41.84
	Library Bureau	Cards	9.00
	do	do	8.75
	do	Special cards	5.94
21	Edwd. P. Dowd	Expenses	.82
	A. G. G. Richardson	do	11.55
	Geo. C. Faville	do	6.90
	Jas. J. Brougham	do	5.14
	A. J. Payne	do	2.17
	Jno. McBirney	do	23.80
	T. A. Shipley	do	16.75
	Don C. Ayer	do	2.00
	do	do	2.70
	E. P. Schaffter	do	2.31
	Harry N. Waller	do	9.44
	Lewis R. Baker	do	.75
	Geo. S. Baker	do	5.00
	Ira K. Atherton	do	1.70
	Albert Dean	Telegrams	8.94
	Kny-Scheerer Co.	Thermometers	2.70
	Wm. Lochte	Horseshoeing	4.70
22	W. H. Rose	Expenses	9.45
	R. W. Hickman	do	1.22
	N. K. Pegley	Traveling expenses	3.60
	New York Telephone Co	Telephone services	13.23
	Jno. W. Hills	Paintings of cattle	100.00
	W. S. Cass	Expenses	2.85
	W. H. Gibbs	do	1.00
	Jas. J. Summerfield	Traveling expenses	25.50
	Jno. A. Kiernan	do	12.40
	Z. D. Gilman	Flasks and beakers	35.11
	do	Hydrochloric acid	2.16
24	Illinois Central R. R. Co	Passenger transportation	5.00
	Chicago and North Western Rwy. Co	do	7.34
	The Chicago and Alton R. R. Co	do	34.09
	do	do	12.50
	Pennsylvania R. R. Co	do	20.00
	Omaha and Republican Valley R. R. Co	do	1.20
	Union Pacific R. R. Co	do	18.00
	do	do	12.84
	Fremont, Elkhorn and Missouri Valley R. R. Co.	do	6.51
	Chicago, Milwaukee and St. Paul Rwy. Co	do	36.70
	do	do	6.10
	Burlington and Missouri River R. R. in Nebraska.	do	23.14
	Erie R. R. Co	do	9.70
	do	do	4.00
	Southern California Rwy. Co	do	13.20
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	16.85
	International and Great Northern R. R. Co	do	33.40
25	Geo. E. Gangloff	Hire horse and buggy	90.00
	Eimer & Amend	Collodion sacks	4.05
	Wm. M. Galt & Co.	White oats	3.30

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 25	Rudolph, West & Co	Padlocks, wire nails, etc.....	\$7.16
26	Hovey, Clark & Co	Butter	1,055.93
	Albert Lea Dairy Association.....	.....do	993.73
	Hoard's Creameries.....	.....do	913.60
	J. W. Timmer.....	Supplies	5.70
	John Forbes.....	Expenses	4.50
	.....do	Hire horse and buggy	15.00
	Samuel E. Bennett.....	Hire saddle horse	23.00
	Wyandotte Gas Co	Gas	8.20
	Missouri and Kansas Telephone Co.....	Telephone rental	10.50
	W. A. Taggart.....	Boarding horse	12.50
	Joshua Miller.....	Expenses	3.13
	Albert E. Behnke.....	Use horse and buggy	35.00
	Frank T. Shannon.....	.....do	62.68
	.....do	Expenses	1.10
	Albert Dean.....	Traveling expenses	9.25
	N. E. Carter.....	File case	9.95
	Jas. W. Davis.....	Use horse and buggy	16.00
	South Omaha Ice Co	Ice	4.00
	Luis Berger.....	Hauling.....	3.75
	Freeman Bros.....	Supplies	2.90
	J. Haberle.....	Supplies and repairing	6.00
	O. J. Lanigan.....	Saddle horse	15.00
	Clary Bros.....	Horse and wagon	24.00
	O. E. Dyson.....	Saddle horse	15.00
	Nebraska City Furniture Co.....	Desk and chairs	26.00
	The Standard Woodworking Co.....	Cupboard.....	17.00
	Peavey & Nash Furniture Co.....	Office chairs.....	5.00
	C. W. Stiles.....	Traveling expenses	171.14
	.....do .....	.....do	145.06
28	B. F. T. Bell.....	Turning desk legs.....	75
29	Cornish, Curtis & Greene Manufacturing Co.....	Butter boxes	47.43
	.....do .....	.....do	49.98
	Silver Laundry and Towel Co.....	Towel service	27.97
	Beach & Weld.....	Wash wringer	2.00
	Webb Bros. Co.....	Kindling wood	2.00
	Iowa Telephone Co.....	Telephone service.....	6.00
	The Kansas City Stock Yards Co. of Missouri.....	Office rent	45.00
	St. Louis National Stock Yards.....	.....do	75.00
	W. F. McCarrroll & Son.....	Stoves, pipes, etc.....	13.35
	Electric Toilet Supply Co.....	Towel supply	15.00
	St. Joseph Stock Yards Co.....	Office rent	15.00
	A. E. Behnke.....	Expenses	38.83
	Frontier Steam Laundry Co.....	Towel supply	9.76
	Nebraska Telephone Co.....	Telephone rental.....	4.15
	Thomas J. Turner.....	Expenses	12.21
	Toolie A. Geddes.....	Traveling expenses	66.41
	Chicago Telephone Co.....	Two telephones	87.50
	H. W. Hawley.....	Horse and buggy	69.00
	The Office Toilet Supply Co.....	Towel service	108.06
	Union Stock Yards and Transit Co.....	Office rent	45.00
	Gahan & Byrne.....	.....do	900.00
	Packers' National Bank.....	.....do	165.00
	Iowa Agricultural College.....	Butter	396.83
	.....do .....	.....do	519.67
	.....do .....	.....do	1,173.53
	H. E. Alvord.....	Traveling expenses	17.88
	David Pifferling.....	Cattle	250.00
	E. C. Schroeder.....	Towels	1.44
	G. W. Tourtellot.....	Office rent	135.00
	E. J. Brooks & Co.....	Lead disks	40.30
	Geo. F. Thompson et al.....	Salaries.....	1,531.97
Nov. 1	A. Wilson & Bro.....	Hay	344.03
	W. M. Galt & Co.....	Feed	380.50
2	American Rwy. Supply Co.....	Export tags	20.25
	A. R. Wake.....	Letter-copying supplies	2.50
	Library Bureau.....	White cards	8.16
3	C. W. Stiles.....	Expenses	2.57
	Fredk Braginton.....	.....do	2.90
	N. K. Fegley.....	.....do	6.10
	Wm. Thompson.....	.....do	21.48
	John A. Kiernan.....	Traveling expenses	33.80
	R. H. Treacy.....	Services	35.87
	.....do	Traveling expenses	29.30
	N. C. Sorensen.....	Expenses	2.50
	.....do .....	.....do	15.00
	White Star Line.....	Transportation	46.46
	The Consumers Co.....	Ice	29.77

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Nov. 3	Belt R. R. and Stock Yard Co	Heating office	\$1.75
	Central Union Telephone Co	Telephone service	18.00
	E. A. Conway Coal Co	Range coal	7.50
	N. Rufus Gill	Office rent	31.25
	Chas. A. Schaufler	Expenses	11.70
	Jno. C. Parker	Books and tags	11.84
	Mackall Bros	Carbolic acid	4.50
	.....do	Vials, drugs, etc	40.56
	.....do	Branding ink	13.78
	R. C. Ballantyne	Pens	39.36
4	N. K. Fegley et al	Salaries	503.50
	H. A. Hedrick et al .....	.....do	478.30
	Edwd. P. Dowd et al .....	.....do	161.70
	H. B. Davidson	Rent, Bethesda	50.00
5	W. H. Balmer et al	Salaries	838.90
	A. G. G. Richardson et al .....	.....do	795.10
	W. H. Rose et al .....	.....do	976.90
	Morris Wooden et al .....	.....do	1,737.66
	Hovey, Clark & Co	Butter	1,099.37
7	C. N. Hinkley	Services	40.00
	C. J. Sihler .....	.....do	94.57
	W. C. Rayen .....	.....do	100.00
	F. W. Huntington .....	.....do	101.10
	C. M. Day .....	.....do	101.10
	A. R. Wake .....	.....do	101.10
	L. J. Allen .....	.....do	101.10
	Wm. D. Jordan .....	.....do	101.10
	W. N. D. Bird .....	.....do	101.10
	W. E. Hill .....	.....do	101.10
	Geo. A. Bond .....	.....do	101.10
	R. P. Steddum .....	.....do	101.10
	Thos. A. Bray .....	.....do	101.10
	Thos. L. Rice .....	.....do	101.10
	Dan McCuningham .....	.....do	101.10
	Jno. A. Kiernan .....	.....do	101.10
	S. J. Murray .....	.....do	101.10
	J. C. Keely .....	.....do	101.10
	C. H. Stevens .....	.....do	117.90
	W. B. Niles .....	.....do	117.90
	Ira K. Atherton .....	.....do	117.90
	Chas. H. Blemer .....	.....do	117.90
	Toole A. Geddes .....	.....do	134.80
	Nelson P. Hinkley et al	Salaries	870.23
	R. W. Hickman et al .....	.....do	1,837.50
	Harry N. Waller et al .....	.....do	362.34
	Chas. A. Schaufler et al .....	.....do	804.32
	Edw. P. Schaffter et al .....	.....do	552.00
	J. J. Brougham et al .....	.....do	1,687.95
	J. R. Buckelew	Letter paper	16.80
8	Geo. C. Faville	Office expenses	2.02
	Geo. C. Faville et al	Salaries	338.50
	A. J. Payne et al .....	.....do	587.70
	Archd. McBride et al .....	.....do	621.50
	Niels C. Sorensen et al .....	.....do	431.20
	Lewis R. Baker et al .....	.....do	931.20
	W. C. Barth et al .....	.....do	191.27
	Albert Dean et al .....	.....do	606.50
	W. S. Cass .....	.....do	903.77
	Jno. McBirney .....	.....do	402.90
	Fredk. Braginton .....	.....do	178.50
	T. A. Shipley .....	.....do	695.19
	Geo. Ditewig .....	.....do	252.70
	Frank L. De Wolf .....	.....do	594.14
	Washington Gas Light Co	Gas	25.20
9	A. G. G. Richardson	Expenses	8.29
	.....do	Horse and buggy	40.00
	Nelson P. Hinkley	Expenses	32.54
	H. A. Hedrick .....	.....do	12.50
	Saml. E. Bennett .....	.....do	5.71
	J. A. Turner Co	Office rent	12.00
	Estate of Benj. Adams .....	.....do	120.00
	East Buffalo Live Stock Exchange Co .....	.....do	90.00
	B. H. Adams .....	.....do	40.00
	Whitall, Tatum & Co	Supplies	8.12
	James Stikeman	Office rent	125.00
	Bell Telephone Co. of Philadelphia	Telephone service	40.00
	The Chesapeake and Potomac Telephone Co .....	.....do	19.50
	New England Telephone and Telegraph Co .....	.....do	14.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Nov. 9	New York Telephone Co.....	Telephone service.....	\$7. 60
	Thos. J. Alden & Co.....	Supplies.....	4. 00
	Boston Gas Light Co.....	Gas.....	4. 00
	Bay State Clean Towel Furnishing Co.....	Service.....	7. 74
	Great Falls Ice Co.....	Supplies.....	21. 54
10	E. A. de Schweinitz.....	Expenses.....	27. 00
	V. A. Norgaard.....	Traveling expenses.....	48. 45
11	Thos. J. Turner et al.....	Salaries.....	1, 237. 60
	Saml. E. Bennett et al.....	do.....	4, 712. 95
	S. Stewart et al.....	do.....	2, 613. 13
12	W. H. Baker et al.....	do.....	2, 463. 13
	W. S. Devoe et al.....	do.....	8, 228. 66
14	Chas. Keane.....	Salary.....	101. 10
	O. B. Hess et al.....	Salaries.....	178. 50
	Geo. S. Baker et al.....	do.....	708. 37
	W. A. Heck et al.....	do.....	455. 57
	E. Palzer et al.....	do.....	5, 614. 96
	Robt. Darling et al.....	do.....	1, 025. 51
	E. N. Hutchinson et al.....	do.....	222. 30
	Frank T. Shannon et al.....	do.....	390. 70
15	E. A. de Schweinitz.....	Expenses.....	21. 30
	W. H. Wray.....	Services.....	387. 50
	do.....	Traveling expenses.....	11. 16
	do.....	Expenses.....	3. 81
	F. M. Hunter.....	Services.....	84. 20
	J. F. Ryder.....	Traveling expenses.....	30. 00
	do.....	Services.....	168. 50
	W. D. Robbins.....	do.....	101. 10
	W. H. Gibbs.....	do.....	101. 10
	A. B. Morse.....	do.....	117. 90
	Jas. Irwin.....	do.....	84. 20
	I. T. Osmond.....	do.....	50. 00
	H. P. Armsby.....	do.....	84. 20
	do.....	Traveling expenses.....	26. 63
16	A. J. Murray.....	Services.....	15. 00
	Z. D. Gilman.....	Supplies.....	14. 15
	do.....	do.....	13. 30
	J. R. Buckelew.....	do.....	94. 50
	M. G. Copeland & Co.....	do.....	3. 25
	Jas. B. Lambie.....	do.....	18. 42
	do.....	do.....	4. 80
	do.....	do.....	3. 00
	Great Falls Ice Co.....	do.....	20. 83
	Marion Dorset.....	Traveling expenses.....	47. 84
17	L. K. Green et al.....	Salaries.....	805. 57
	Wm. Thompson et al.....	do.....	1, 169. 66
	Jno. Forbes et al.....	do.....	1, 787. 04
	A. E. Behnke et al.....	do.....	1, 542. 90
	Jno. R. Mohler et al.....	do.....	709. 36
	Lowell Clarke et al.....	do.....	1, 478. 09
	Don C. Ayer et al.....	do.....	3, 676. 33
	Joshua Miller et al.....	do.....	527. 02
18	Wm. C. Honan.....	Traveling expenses.....	21. 24
	Albert Dean.....	do.....	18. 05
	R. P. Steddum.....	do.....	37. 45
	A. J. Murray.....	do.....	8. 00
	J. A. Kiernan.....	do.....	5. 25
21	W. E. Hill.....	do.....	32. 25
	Thos. L. Rice.....	do.....	21. 35
	A. M. Adams.....	do.....	21. 55
	Jno. McBirney.....	do.....	72. 57
	D. R. Way.....	do.....	67. 60
	W. B. Niles.....	do.....	23. 47
	W. S. Cass.....	do.....	5. 10
	Hoard's Creameries.....	Butter.....	951. 90
	Swift & Co.....	Transportation of butter.....	416. 91
	W. C. Rayen.....	Traveling expenses.....	14. 19
	Chas. H. Zink.....	do.....	20. 50
	Chas. W. Day.....	do.....	5. 50
	Niels C. Sorensen.....	Expenses.....	9. 41
	S. R. Burch.....	Traveling expenses.....	49. 35
22	G. W. Ward.....	Services.....	145. 00
	do.....	Traveling expenses.....	75. 45
	L. A. Robinson.....	do.....	8. 26
	C. L. Morin.....	Services.....	76. 00
	do.....	Traveling expenses.....	12. 55
	Chas. Cowie.....	Services.....	125. 00
	Jno. A. Bell.....	do.....	104. 00
	do.....	Traveling expenses.....	16. 62
	F. M. Perry.....	Services.....	216. 00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Nov. 22	F. M. Perry	Traveling expenses	\$95.00
	J. A. Fries	Services	19.02
	F. L. Russell	do	144.00
	do	Traveling expenses	77.15
	Geo. C. Faville	do	16.75
	Dan McCunningham	do	44.84
	W. D. Jordan	do	59.65
	Geo. C. Moser	do	41.40
	Chicago Car Seal and Manufacturing Co	Supplies	656.25
	do	do	722.25
	Merchants' Refrigerating Co.	Handling, etc., butter	308.84
	Jas. W. Wilson	Traveling expenses	24.00
30	Bausch & Lomb Optical Co.	Supplies	1.28
	do	do .....	.40
	Library Bureau	do	20.75
	Albert Lea Dairy Association	Butter	1,051.63
	Iowa Agricultural College	do	710.79
	Cornish, Curtis & Greene Manufacturing Co	do	102.18
Dec. 1	Geo. F. Thompson et al.	Salaries	1,552.50
	Cleary Bros	Horse and buggy	26.00
	O. J. Lanigan	Horse hire	15.00
	O. E. Dyson	do	15.00
	Hibbard, Spencer, Bartlett & Co	Supplies	15.50
	A. E. Behnke	Horse and buggy	35.00
	Saml. E. Bennett	Horse hire	23.00
	Frank T. Shannon	Horse and buggy	29.00
	Belt R. R. and Stock Yard Co	Rent of office	10.00
	St. Louis National Stock Yards	Rent of rooms	75.00
	W. A. Taggart	Board for horse	12.50
	Jas. W. Davis	Horse and buggy	16.00
	Omaha Steam Laundry	Supplies	5.33
	The R. H. Smith Manufacturing Co	do	9.00
	New York Telephone Co	Rent of telephone	13.83
	B. H. Adams	Rent of office	40.00
	A. G. G. Richardson	Horse and buggy	40.00
	Ch. W. Stiles	Traveling expenses	143.01
	do	Expenses	16.66
	Geo. E. Howard	Traveling expenses	61.20
2	Z. D. Gilman	Supplies	35.28
	do	do	2.25
	do	do	3.40
	Jas. B. Lambie	do	9.19
	do	do	6.62
	C. R. Edmonston	do	12.40
	Wm. Lochte	do	3.75
	M. Du Perow	do .....	.34
	Rudolph, West & Co	do	8.89
	Holyoke Envelope Co	do	77.00
	do	do	7.70
	The White, Corbin & Co	do	26.00
	American Rwy. Supply Co	do	33.75
	do	do	27.00
	The H. C. Underwood Manufacturing Co	do	20.07
3	W. H. Rose et al.	Salaries	946.20
	H. A. Hedrick et al.	do	463.40
	Julius Huelson et al.	do	583.11
	H. B. Davidson	Rent of land	50.00
5	J. H. Bunnell & Co	Supplies	1.50
	Eimer & Amend	do	5.48
	Library Bureau	do	8.00
6	Morris Wooden et al.	Salaries	1,700.33
	W. M. Balmer et al.	do	812.20
	A. G. G. Richardson et al.	do	771.00
7	Dennison Manufacturing Co	Supplies	484.00
	do	do	342.00
	do	do	300.00
	do	do	39.00
	do	do	9.75
	W. C. Rayen	Services	100.00
	C. M. Day	do	97.80
	T. A. Geddes	do	130.40
	do	Traveling expenses	152.55
	E. P. Dowd et al.	Salaries	156.60
	F. W. Huntington et al.	do	105.80
	L. R. Baker et al.	do	902.60
	Albert Dean et al.	do	660.31
	Jno. McBirney et al.	do	439.20
	Fredk. Braginton et al.	do	173.00
8	H. N. Waller et al.	do	405.67

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Dec. 8	Geo. C. Faville	Expenses	\$8.00
	do	do	4.45
	Geo. C. Faville et al.	Salaries	328.00
	R. W. Hickman et al.	do	1,780.00
	Chas. A. Schaufler	Expenses	11.05
	Chas. A. Schaufler et al.	Salaries	797.84
	E. P. Schaffter et al.	do	536.00
	T. A. Shipley et al.	do	723.97
	C. S. Braisted	Supplies	12.90
	do	do	2.64
	Terre Haute and Indiana R. R. Co.	Passenger transportation	20.25
	The Missouri Pacific Rwy. Co.	do .....	.70
	Pennsylvania Co.	do	17.50
	Burlington and Missouri River R. R. in Nebraska.	do	14.86
	Southern Pacific Co.	do	30.00
	Chicago and Northwestern Rwy. Co.	do	10.60
	Baltimore and Ohio R. R. Co.	do	10.45
	International and Great Northern R. R. Co.	do	32.85
	The Texas & Pacific Rwy. Co.	do	21.20
	Albert E. Behnke et al.	Salaries	1,497.51
9	Benj. S. Paddock et al.	do	188.95
	W. A. Bitner et al.	do	2,385.46
	W. S. Devoe et al.	do	7,686.89
	Jno. R. Mohler et al.	do	735.41
	H. P. Armsby	Services	81.60
	J. A. Fries	do	81.60
	Chas. Cowie	Traveling expenses	5.50
	W. H. Rose	Expenses	17.70
	W. A. Rushworth	Traveling expenses	1.95
	B. P. Wende	do	1.35
	Benj. Howes	do	3.05
	L. K. Green	do	3.05
10	E. Balzer et al.	Salaries	5,628.10
	Jno. Forbes et al.	do	1,851.54
	O. B. Hess et al.	do	145.50
	T. W. Oshel et al.	do	180.23
	Geo. Ditewig et al.	do	244.60
	N. C. Sorensen et al.	do	417.60
	W. H. Gibbs et al.	do	216.17
	Archibald McBride et al.	do	602.00
	Wm. Thompson et al.	do	642.43
	Joshua Miller et al.	do	607.64
	Chas. Keane	Traveling expenses	20.30
	do	Salary	6.52
	Geo. S. Baker	Traveling expenses	15.20
	Geo. S. Baker et al.	Salaries	688.40
	A. J. Payne et al.	do	569.73
	W. S. Cass	Expenses	2.00
	W. S. Cass et al.	Salaries	864.56
	C. L. Morin	Services	36.00
	United States Electric Lighting Co.	Supplies	3.67
	Washington Gas Light Co.	Gas	26.20
12	Chas. H. Stevens	Services	57.07
	do	Traveling expenses	59.86
	W. D. Robbins	Services	97.80
	A. B. Morse	do	114.20
	Ira K. Atherton	do	114.20
	Frank Canon	do	19.57
	Jas. J. Brougham	Expenses	6.97
	Frank L. De Wolf et al.	Salaries	678.26
	Jas. J. Brougham et al.	do	1,595.49
	Abram M. Adams	Services	97.80
	Thos. A. Bray	do	97.80
	W. D. Jordan	do	97.80
	J. A. Kierman	do	97.80
	Thos. L. Rice	do	97.80
	Chas. H. Blemer	do	114.20
	do	Traveling expenses	60.05
	Geo. A. Bond	Services	97.80
	W. N. D. Bird	do	97.80
	Dan McCuningham	do	97.80
	Jas. C. Keely	do	97.80
	W. E. Hill	do	97.80
	L. J. Allen	do	97.80
	A. R. Wake	do	35.87
	T. A. Geddes	Traveling expenses	18.00
	W. C. Barth	Expenses	1.20
	Joshua Miller	do	5.24
	W. B. Niles	do	1.75

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Dec. 12	Wm. Thompson	Expenses	\$15.69
	E. L. Volgenaw et al.	Salaries	1,051.50
	N. P. Hinkley et al.	do	858.20
13	S. E. Bennett et al.	do	4,444.97
	Lowell Clarke et al.	do	1,442.55
	U. G. Houck et al.	do	479.34
	W. A. Heck et al.	do	325.07
	T. J. Turner et al.	do	1,318.44
	C. H. Zink	Services	88.04
	do	do	9.78
	Jas. Irvin	do	81.60
	I. T. Osmond	do	50.00
	Jno. A. Bell	do	104.00
	A. D. Melvin	Traveling expenses	15.95
14	S. Stewart et al.	Salaries	2,646.92
	Thos. Castor et al.	do	883.85
	W. H. Wray	Services	375.00
	Mackall Bros	Supplies	1.20
	Grove Lime and Coal Co.	do	2.25
	Rudolph, West & Co.	do	7.33
	R. P. Clarke	do	2.50
	do	do	3.00
	Great Falls Ice Co.	do	13.35
	Z. D. Gilman	do	46.00
	do	do	19.70
	do	do	6.14
	Wm. M. Galt & Co.	do	337.50
	do	do	6.60
	do	do	3.30
	J. F. Ryder	Services	163.00
	F. M. Hunter	do	81.60
15	E. N. Hutchinson et al.	Salaries	211.38
	F. T. Shannon et al.	do	373.60
	Don C. Ayer et al.	do	3,634.28
17	R. P. Clarke	Supply	18.00
	Wm. Lochte	Supplies	4.50
	Georgetown and Tennallytown Rwy. Co.	Services .....	.60
19	Pennsylvania R. R. Co.	Passenger transportation	56.75
	do	do	39.50
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	9.95
	International and Great Northern R. R. Co.	do	4.60
	St. Louis and San Francisco R. R. Co.	do	22.45
	do	do	5.50
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	11.68
	The Chicago, Burlington and Quincy R. R. Co.	do	23.83
	Union Pacific Co.	do .....	.90
	do	do .....	.88
	Fremont, Elkhorn and Missouri Valley R. R. Co.	do	3.14
	Galveston, Harrisburg and San Antonio Rwy. Co.	do	20.20
	The Minneapolis and St. Louis R. R. Co.	do	7.20
	L. A. Robinson	Traveling expenses	4.45
	W. A. Rushworth	do	1.35
	C. H. Zink	do	36.75
	L. K. Green	do	1.95
	Jno. A. Bell	do	16.12
	Chas. Cowie	do	2.50
	Jos. M. Turner	do	22.50
	W. H. Wray	do	10.80
	J. F. Ryder	do	30.00
	Geo. C. Faville	do	21.75
	Albert Dean	do	18.10
	Geo. A. Bond	do	5.75
	Abram M. Adams	do	5.80
	W. E. Hill	do	19.80
	The Union Pacific, Denver and Gulf Rwy. Co.	Passenger transportation	3.50
	C. L. Morin	Traveling expenses	13.05
	W. D. Jordan	do	51.68
	Dan McCuningham	do	37.43
	W. N. D. Bird	do	19.00
	R. P. Steddom	do	53.25
	L. J. Allen	do	20.25
	C. M. Day	do	4.00
	W. C. Honan	do	12.23
	C. H. Stevens	do	22.67
	E. N. Hutchinson	do	16.65
	Jno. McBirney	do	66.54

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898. Dec. 19	D. R. Way	Traveling expenses	\$64.13
	W. H. Wray	Expenses	7.49
	do	do	3.49
	W. B. Niles	do	1.30
	Don C. Ayer	do	5.05
	W. S. Devoe	do	50.43
	Wm. Thompson	do	16.37
	W. S. Cass	do	2.00
	G. W. Ward	Services	130.00
	F. L. Russell	do	184.00
	F. M. Perry	do	145.00
	Chas. Cowie	do	90.00
	W. B. Niles	do	114.20
	W. D. Robbins	do	29.35
	J. J. Summerfield	do	26.09
	S. J. Murray	do	97.80
	A. J. Murray	do	15.00
	F. N. Trudelle	do	17.61
	Geo. Grafton	do	48.91
	J. A. Lawrence	Supplies	6.00
	Harry Booth	do	21.00
	The J. H. North Furniture and Carpet Co.	do	21.00
	Omaha Steam Laundry Co	do	5.98
	J. W. Davis	Horse hire	8.00
	Robt. Keith Furniture and Carpet Co	Supplies	4.95
	W. A. Taggart	do	12.50
	Hoard's Creameries	Butter	1,021.44
	F. T. Shannon	Horse hire	29.00
	Pennsylvania R. R. Co	Freight	65.37
	do	do	62.15
	Vandalia Line	do	.58
20	The H. C. Underwood Manufacturing Co	Supplies	18.74
	White Star Line	Services	23.50
	B. H. Adams	Rent of office	40.00
	New York Telephone Co	Services	7.60
	Geo. C. Faville	Expenses	3.90
	do	do	3.40
	Chas. A. Schaffer	do	9.95
	H. F. Miller & Son	Supplies	34.50
21	A. G. G. Richardson	Horse hire	40.00
	L. Berger	Hauling	3.50
	E. A. Conway Coal Co	Supplies	7.50
	Cleary Bros	Horse hire	26.00
	O. E. Dyson	do	15.00
	A. J. Lanigan	do	15.00
	A. E. Behnke	do	35.00
	S. E. Bennett	do	23.00
	Margaret Carroll	Traveling expenses	13.35
	Chas. A. Brown	do	7.35
	Geo. S. Baker	do	15.20
	Chicago Car Seal and Manufacturing Co	Supplies	427.50
	Springfield Envelope Co	do	6.25
	A. J. Murray	Traveling expenses	8.00
	Eimer & Amend	Supplies	12.00
	do	do	9.75
	R. L. Cooper	Horse hire	28.00
	do	do	30.00
	Sarah Richards	Washing	2.28
	E. Morrison Paper Co	Supplies	15.75
	M. Du Perow	do	4.80
	D. E. Salmon	Traveling expenses	17.00
	Geo. E. Howard	Supplies	32.00
	E. A. de Schweinitz	Expenses	24.71
22	F. M. Perry	Traveling expenses	110.45
	G. W. Ward	do	45.75
	F. L. Russell	do	99.75
	W. H. Rose	Expenses	12.25
	Library Bureau	Supplies	9.50
	do	do	3.00
	E. J. Brooks & Co	do	6.50
	Dennison Manufacturing Co	do	12.00
	Andrew Geddes	Traveling expenses	25.05
23	H. F. Miller & Son	Supplies	7.20
	Gillette Hardware Co	do	.60
	St. Louis National Stock Yards	Rent of rooms	75.00
	Ed. S. Schmid	Supplies	1.50
	Marion Dorset	Traveling expenses	5.05
31	Geo. F. Thompson et al	Salaries	1,567.79
	Total second quarter		215,411.91

96 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 3	D. W. Willson	Traveling expenses	\$86.89
	do	Services	60.00
	T. A. Geddes	do	134.80
	A. Wilson & Bro.	Feed for animals	1,196.96
	do	Cattle	120.00
	L. G. Orndorff	Blankets, etc.	98.90
	Mackall Bros	Supplies	41.52
	do	Vaseline, etc.	14.95
4	United States Express Co	Transportation	21.40
	Royce & Marean	Push buttons and wire	.75
	The G. W. Knox Express Co	Transportation	.70
	Thos. Somerville & Sons	Supplies	6.42
	E. J. Pullman	do	2.10
	The Photochromotype Engraving Co.	Illustrations	81.50
	Goes Lithographing Co.	Supplies	658.35
	do	do	607.53
	do	do	519.75
	W. E. Pratt	do	4.60
	do	do	.65
	Thos. Cook & Son	Passenger transportation	27.04
5	Chas. O. Brockway	Supplies	40.63
	The Harrington & King Perforating Co	do	3.00
	C. W. Stiles	Services	300.00
	American Railway Supply Co	Tags	33.75
	do	do	5.00
	Clarence E. McCoy	Gould's packing	4.16
	The McDermott Carriage Co.	Repairs to buggy	6.00
6	Chicago and Northwestern Rwy Co	Passenger transportation	12.75
	H. E. Overstreet	Transportation	.70
	do	do	.17
	Chicago, Milwaukee and St. Paul Rwy. Co.	Passenger transportation	24.43
	The Chicago, Burlington and Quincy R. R. Co.	do	12.75
	The Chicago and Alton R. R. Co.	do	25.25
	Baltimore and Ohio R. R. Co.	do	17.50
	Southern Pacific Co.	do	25.40
	Chesapeake and Ohio Rwy. Co.	do	27.00
	Great Northern Rwy. Co.	do	34.70
	Pennsylvania R. R. Co.	do	28.50
	A. D. Melvin	Traveling expenses	3.15
7	H. A. Hedrick et al	Salaries	478.30
	H. N. Waller et al	do	439.80
	E. P. Dowd et al	do	161.70
	Geo. Ditewig et al	do	252.70
	Fredk. Braginton et al	do	178.50
	Lewis R. Baker et al	do	931.20
	E. P. Schaffter et al	do	679.20
	Jno. McBirney et al	do	472.30
	Ira K. Atherton	Services	117.90
	Chas. M. Day	do	101.10
	A. B. Morse	do	117.90
9	Morris Wooden et al	Salaries	1,757.44
	Saml. E. Bennett et al	do	4,331.39
	S. S. Stewart et al	do	2,784.45
	H. E. Alvord	Traveling expenses	88.10
10	Geo. C. Faville et al	Salaries	338.50
	Chas. H. Zink et al	do	687.82
	W. M. Balmer et al	do	887.80
	J. A. Fries	Traveling expenses	37.20
	S. G. Burkholder et al	Salaries	125.56
	S. E. Cosford et al	do	86.08
	J. J. Brougham et al	do	1,721.82
	F. L. De Wolf et al	do	841.22
	N. C. Sorensen et al	do	402.67
	Lowell Clarke et al	do	1,460.83
	A. E. Behnke et al	do	1,168.58
	Joshua Miller et al	do	611.67
	E. N. Hutchinson et al	do	217.70
	W. H. Gibbs et al	do	237.50
	A. J. Payne et al	do	587.70
	T. A. Shipley et al	do	718.38
	W. A. Heck et al	do	353.10
	A. R. Wake et al	do	663.48
	J. J. Brougham	Office expenses	5.79
	A. R. Wake	do	3.00
	S. G. Burkholder	Traveling expenses	19.65
	B. P. Wende	do	.85
11	H. G. Arnold et al	Salaries	2,653.11
	W. S. Devoe et al	do	7,974.15
12	F. W. Huntington et al	do	155.10

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 12	D. W. Willson	Services	\$108.00
	Z. D. Gilman	Supplies	8.00
	do	Tin box	2.43
	Church & Stephenson	Lumber	28.67
	Jas. B. Lambie	Supplies	1.13
	do	Nippers	.40
	do	Rope	.90
	Don C. Ayer et al.	Salaries	3,932.39
13	C. A. Schaufler et al.	do	838.50
	E. L. Volgenau et al.	do	1,463.56
	R. W. Hickman et al.	do	1,943.24
	W. H. Rose et al.	do	969.77
	A. G. G. Richardson et al.	do	778.36
	Julius Huelsen et al.	do	605.13
	T. W. Oshel et al.	do	193.70
	Archibald McBride et al.	do	621.50
	O. B. Hess	Services	117.90
	Jno. R. Mohler et al.	Salaries	657.14
	T. J. Turner et al.	do	1,424.01
	H. B. Davidson	Rent of lands	50.00
	G. M. Brumbaugh	Traveling expenses	82.80
	Postal Telegraph Cable Co.	Telegraph services	11.02
	Western Union Telegraph Co.	do	20.76
14	Jno. Forbes et al.	Salaries	1,940.09
	Chas. Keane	Services	29.35
	Thos. Castor et al.	Salaries	1,100.59
	F. T. Shannon et al.	do	390.70
	Jas. Irwin	Services	84.20
	Goes Lithographing Co.	Stamps	226.00
	do	do	59.65
16	Washington Gas Light Co.	Gas	28.70
17	W. S. Cass et al.	Salaries	966.20
	Geo. S. Baker et al.	do	710.80
	Jas. Sheehan	Services	41.09
	E. Balzer et al.	Salaries	5,704.89
	Albert Lea Dairy Association	Butter	787.75
	Hoard's Creameries	do	1,188.00
	A. R. Wake	Traveling expenses	32.27
	Jno. McBirney	do	58.41
	D. R. Way	do	63.45
	Geo. S. Baker	do	15.20
	Chas. Keane	do	6.10
	W. S. Devoe	do	62.00
	Maggie Murphy	do	6.00
	Mae B. Joslin	do	6.00
18	W. A. Rushworth	do	5.25
	B. P. Wende	do	1.95
	H. A. Hedrick	do	6.75
	E. A. de Schweinitz	do	57.05
19	Wm. Thompson et al.	Salaries	1,274.04
	Albert Dean et al.	do	759.80
	Jno. A. Kiernan	Services	65.22
	Leslie J. Allen	do	101.10
	do	Traveling expenses	40.00
	W. E. Hill	Services	101.10
	do	Traveling expenses	3.75
	Wm. D. Jordan	Services	101.15
	do	Traveling expenses	43.09
	Jas. C. Keely	Services	101.10
	Thos. A. Bray	do	101.10
	Geo. A. Bond	do	101.10
	A. M. Adams	do	101.10
	A. J. Murray	do	10.00
	do	Traveling expenses	5.50
	W. N. D. Bird	Services	101.10
	do	Traveling expenses	4.45
	Dan McCuningham	Services	101.15
	C. H. Blemer	do	117.90
	do	Traveling expenses	9.95
	Thos. L. Rice	Services	101.10
	do	Traveling expenses	55.20
	do	do	26.10
	J. J. Summerfield	do	5.56
	L. A. Klein	Services	101.10
	do	Traveling expenses	102.50
	W. B. Niles	Services	117.90
	do	Traveling expenses	15.00
	W. T. Cass	do	3.90
	do	do	4.80
	do	Office expenses	2.00

98 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 19	Fredk. Braginton	Office expenses	\$3.00
	A. B. Morse	do	.40
	R. P. Steddom	Traveling expenses	37.37
	Jno. Forbes	Office expenses	3.50
	L. R. Baker	do	1.19
	J. F. Ryder	Services	168.50
	do	Traveling expenses	45.00
	F. M. Hunter	Services	84.20
	W. H. Wray	Traveling expenses	387.50
	do	do	11.16
	do	Office expenses	2.77
	F. M. Perry	Services	100.00
	do	Traveling expenses	46.10
	Jno. A. Bell	Services	40.00
	do	Traveling expenses	6.12
	J. T. Osmond	Services	50.00
	H. P. Armsby	do	84.20
	Chas. Cowie	do	105.00
	do	Traveling expenses	3.50
	C. L. Morin	Services	32.00
	do	Traveling expenses	5.55
	Chadwick Copying Book Co	Copying reports	23.58
	Whithall, Tatum & Co.	Flasks	2.25
	Great Falls Ice Co	Ice	13.40
	United States Electric Lighting Co	Electric current	4.34
	C. R. Edmonston	Filter tubes	24.00
	Don C. Ayer	Office expenses	1.89
	W. B. Niles	Traveling expenses	6.05
	S. G. Burkholder	Salary	50.00
	Jno. McBirney	Office expenses	30.25
	I. K. Atherton	do	.60
	A. E. Wagner	Services	44.02
	A. J. Payne	Office expenses	7.56
	H. N. Waller	do	8.95
	C. A. Schaufler	do	8.35
	W. B. Moses & Sons	Carpet, etc	62.04
	C. H. Zink	Office expenses	3.30
20	Rudolph, West & Co	Supplies	21.94
	Geo. F. Muth & Co	Chimneys	.60
	E. S. Schmid	Prepared feed	1.50
	W. B. Moses & Sons	Furniture, etc	216.76
21	W. G. Orr & Co	Glass jars	1.32
	E. A. de Schweinitz	Office expenses	12.95
	Marion Dorset	Traveling expenses	24.20
	D. E. Salmon	do	11.00
23	R. A. Pearson	do	166.61
24	Belt R. R. Stock Yard Co.	Office rent	30.00
	Brandon Printing Co	Desk and chair	25.00
	Cutler & Neilson Paint and Color Co	Paint, etc	5.50
	Wyandotte Gas Co.	Gas	11.30
	W. H. Creed	Books for microscopic work	10.00
	C. O. Bassett	Repairing typewriter	8.50
	Knickerbocker Ice Co.	Ice	5.55
	Doane Bros	Furnishing and fitting boards	3.00
	Rudge & Morris Co	Desks	22.00
	Iowa Telephone Co.	Telephone service	6.00
	Central Union Telephone Co	Telephone rent	18.00
	E. A. Conway Coal Co	Coal	7.50
	do	do	7.50
	L. Berger	Hauling	5.25
	Omaha Steam Laundry Co	Washing towels	5.98
	Office Toilet Supply Co	do	150.50
	C. W. Stiles	Traveling expenses	204.53
25	Boston Gas Light Co.	Gas	10.40
	Merchants' Refrigerating Co.	Storing and inspecting butter, etc.	87.75
	W. H. Rose	Office expenses	12.10
	Joshua Miller	do	6.64
	N. C. Sorensen	do	15.20
	A. M. Rork	Traveling expenses	22.80
	T. A. Shipley	Office expenses	18.85
	F. T. Shannon	do	2.50
	Geo. C. Faville	Traveling expenses	8.50
	do	Office expenses	11.50
26	The Chesapeake and Potomac Telephone Co.	Rent of telephone	19.50
	J. A. Turner Co.	Rent of office	36.00
28	A. Wilson & Bro.	Green feed for animals	11.25
	Adams Express Co.	Transportation	9.40
	do	do	12.84

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 30	Pennsylvania Co	Passenger transportation	\$17.50
	The Chicago, Burlington and Quincy R. R. Co.	do	11.93
	Galveston, Harrisburg and San Antonio R. R. Co.	do	10.10
	Burlington and Missouri River R. R. in Nebraska.	do	10.59
	Southern Pacific R. R. Co	do	21.40
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	15.14
	Chicago Great Western R. R. Co.	do	14.00
	Pittsburg, Cincinnati, Chicago and St. Louis R. R. Co.	do	8.00
	Vandalia Line	do	1.04
	do	do	25.66
	N. C. Sorensen	Office expenses	15.00
	The Kansas City Stock Yards Co., of Missouri.	Office rent	45.00
	St. Louis National Stock Yards	do	75.00
	R. H. Williams	Soap	3.75
	G. W. Tourtellot	Office rent	135.00
	Silver Laundry and Towel Co.	Towel service	33.68
	J. W. Timmer	Hatchets, etc	2.75
	S. E. Bennett	Use of saddle horse	23.00
	do	Office expenses	10.35
	Packers' National Bank	Office rent	165.00
	J. S. Slott	Ink, etc	2.70
	W. A. Taggart	Boarding horse	12.50
	St. Joseph Stock Yards Co.	Office rent	30.00
	Butter Merchandise Co.	Oil, etc	3.80
	Missouri and Kansas Telephone Co.	Telephone rent	12.50
	John Forbes	Care horse and buggy	45.00
	A. E. Behnke	Use horse and buggy	35.00
	B. P. Oliver	Rent of office	60.00
	F. T. Shannon	Use horse and buggy	29.00
	O. E. Dyson	Use horse	15.00
	H. W. Hawley	Use horse and buggy	69.00
	O. J. Lanigan	Use horse	15.00
	Union Stock Yards and Transit Co.	Office rent	45.00
	Jahan & Byrne	do	900.00
	Cleary Bros	Use of horse and buggy	27.00
	Albert Dean	Office expenses	8.39
	The Merle & Heaney Manufacturing Co.	Table	4.50
	Armour Packing Co.	Telephone service	11.00
	Emery Bird Thayer Dry Goods Co.	Toilet paper	7.50
	Goodyear Rubber Co.	Chair tips	5.76
	Nebraska Telephone Co.	Telephone rent	12.65
	State National Bank of St. Joseph	Office rent	15.00
	Electric Toilet Supply Co.	Toilet supply	15.00
	Goes Lithographing Co.	Stamps	734.25
	do	do	46.64
	Wm. E. Pratt	Hog rings	5.62
	E. J. Brooks & Co.	Disks	6.50
	Standard Oil Co.	Oil	48.60
31	F. L. Russell	Services	152.00
	do	Traveling expenses	88.40
	G. W. Ward	Services	70.00
	do	Traveling expenses	17.10
	Geo. E. Gangloff	Use horse and buggy	90.00
	The East Buffalo Live Stock Exchange Co.	Office rent	90.00
	The Bell Telephone Co.	Telephone services	12.00
	B. H. Adams	Office rent	40.00
	R. W. Hickman	Office expenses	1.15
	The New York Telephone Co.	Telephone service	22.50
	James Stikeman	Office rent	125.00
	New York Telephone Co.	Telephone service	14.18
	do	do	13.08
	A. G. G. Richardson	Use horse and buggy	40.00
	New England Telephone and Telegraph Co.	Telephone service	42.00
	J. W. Bond Co.	Copying press	6.50
	N. R. Gill	Office rent	31.25
	The Bell Telephone Co.	Service	40.00
	Bay State Clean Towel and Furnishing Co.	Towel supply	59.23
	Benj. Adams	Office rent	120.00
	Geo. F. Thompson et al.	Salaries	1,779.08
	Chicago Car Seal and Manufacturing Co.	Supplies	442.50
	do	do	348.75
	International and Great Northern R. R. Co.	Passenger transportation	4.60
	Kansas City, St. Joseph and Council Bluffs R. R. Co.	do	4.68
	Jno. P. Nawrath	Twine	9.50
Feb. 1	Whitall, Tatum & Co.	Flasks	3.97

100 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 1	Kny, Sheerer & Co	Thermometers	\$3.00
	American Railway Supply Co	Tags	13.50
	Dennison Manufacturing Co	Fasteners	21.13
	do	Tags	24.38
	do	Supplies	24.65
	do	do	30.00
	do	Tags	226.00
	do	do	360.40
	Thos. Somerville & Sons	Repairing shafting, etc	6.70
	do	Supplies	5.50
	Burlington and Missouri River R. R. in Nebraska.	Transportation	8.58
	Star Union Line	do	1.68
3	Ch. Wardell Stiles	Services	300.00
	do	Traveling expenses	227.99
	do	Office expenses	9.01
	T. A. Geddes	Traveling expenses	29.80
	Missouri, Kansas and Texas Rwy. Co	Passenger transportation	20.15
	The Missouri Pacific Rwy. Co.	do	5.75
	United States Express Co.	Transportation	8.70
	W. H. Rose et al	Salaries	966.80
	H. A. Hedrick et al	do	489.10
	G. M. Brumbaugh	Services	215.30
4	International Office Toilet Supply Co.	Towel supply	15.77
	Julius Huelsen	Office expenses	13.36
	Julius Huelsen et al	Salaries	609.40
	A. G. G. Richardson	Office expenses	6.14
	A. G. G. Richardson et al	Salaries	804.30
	W. M. Balmer et al	do	957.50
	Jas. Sullivan	Coal, etc	5.00
	do	do	19.50
	Webb Bros. Co.	Pine slabs	2.00
	The Consumers Co	Ice	15.00
	J. Haberle	Repairing lock boxes	11.75
	Jas. Stewart	Services and supplies	7.04
	Chicago Telephone Co	Telephone services	87.50
	Goes Lithographing Co.	Supplies	70.42
	Pacific Telephone and Telegraph Co	Telephone rent	30.00
6	Jno. C. Parker	Supplies	12.56
	H. N. Waller et al	Salaries	374.90
	Geo. Ditewig et al	do	258.30
	A. M. Rork et al	do	134.17
	Fredk. Braginton et al	do	182.60
7	C. A. Schauler et al	do	810.50
	Morris Wooden et al	do	1,811.47
	F. W. Huntington et al	do	157.30
	R. W. Hickman et al	do	1,986.70
	do	Office expenses	1.15
	W. H. Butler	Glass for window	10.50
	H. E. Alvord	Traveling expenses	19.45
8	E. P. Schaffter et al	Salaries	882.90
	L. R. Baker et al	do	952.40
	Chadwick Copying Book Co	Copying books	20.16
	J. P. Nawrath	Linen twine	7.60
	E. S. Schmid	Cages	25.80
	Missouri Pacific Rwy. Co	Transportation	1.51
	Burlington and Missouri River R. R. in Nebraska.	do	13.49
	do	do	7.21
	W. S. Cass et al	Salaries	926.50
	W. C. Barth et al	do	198.10
	W. H. Gibbs et al	do	242.80
	N. C. Sorensen et al	do	440.90
	A. E. Behnke	Office expenses	33.79
	C. H. Blemmer	Traveling expenses	8.15
	William Thompson	Office expenses	16.55
	T. J. Turner	do	18.66
	J. J. Brougham	do	6.54
	D. W. Willson	Traveling expenses	37.25
	J. H. Monrad	do	54.86
	Geo. S. Baker	Office expenses	3.00
9	Geo. C. Faville et al	Salaries	346.20
	C. H. Zink et al	do	1,129.80
	A. E. Behnke et al	do	1,096.17
	J. J. Brougham et al	do	1,620.80
	Jas. Irwin	Services	86.10
	I. K. Atherton	do	120.60
	A. B. Morse	do	120.60
	C. M. Day	do	120.60
	E. P. Dowd et al	Salaries	182.60

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 9	Jno. McBirney et al	Salaries	\$267.80
	Jno. Forbes et al	do	1,904.73
	S. E. Cosford et al	do	165.30
	A. J. Payne et al	do	597.73
	Don C. Ayer et al	do	4,152.30
	H. B. Davidson	Rent of land	50.00
10	Saml. E. Bennett et al	Salaries	4,673.70
	S. Stewart et al	do	2,766.73
11	Benj. S. Paddock et al	do	391.17
	E. Balzer et al	do	5,844.54
	W. S. Devoe et al	do	8,086.46
	H. G. Arnold et al	do	2,736.00
	O. B. Hess	Services	120.60
	V. A. Norgaard	Traveling expenses	54.95
	T. J. Turner et al	Salaries	1,505.60
	E. N. Hutchinson et al	do	213.30
15	J. W. Harris	Labor	9.00
16	Chas. Cowie	Services	15.00
	C. L. Morin	do	16.00
	T. D. Ketchum et al	Salaries	454.49
	Archb. McBride et al	do	173.17
	Wm. A. Heck et al	do	361.37
	F. L. De Wolf et al	do	1,019.34
	F. T. Shannon et al	do	399.60
	Lowell Clark et al	do	1,460.38
17	A. R. Wake et al	do	815.00
	T. A. Shipley et al	do	891.34
	Joshua Miller et al	do	663.78
	H. P. Armsby	Services	86.10
	J. H. Monrad	do	120.00
	C. M. Day	Traveling expenses	26.00
	Jno. McBirney	do	89.54
18	Albert Dean et al	Salaries	723.20
	C. H. Blemer	Services	120.60
	W. N. D. Bird	do	103.30
	W. E. Hill	do	103.30
	C. J. Sihler	do	103.30
	T. L. Rice	do	103.30
	Geo. A. Bond	do	103.30
	Jas. C. Keely	do	103.30
	T. A. Bray	do	103.30
	L. J. Allen	do	103.30
	A. M. Adams	do	103.30
	Danl. McCunningham	do	103.30
	W. D. Jordan	do	103.30
	S. J. Murray	do	103.30
	Geo. S. Baker et al	Salaries	726.80
	Wm. Thompson et al	do	1,366.03
	Thos. Castor et al	do	1,148.80
	Harry M. Ball et al	do	1,124.79
	Jno. R. Mohler et al	do	581.70
	Geo. S. Baker	Traveling expenses	14.50
	T. L. Rice	do	7.10
	C. J. Sihler	do	4.50
	Jno. A. Kiernan	do	5.00
	Albert Dean	do	21.05
20	Jno. A. Kiernan	Services	40.00
	W. H. Wray	do	387.50
	do	Traveling expenses	11.16
	do	Office expenses	3.10
	J. F. Ryder	Services	172.20
	do	Traveling expenses	45.00
	F. M. Hunter	Services	86.10
	D. R. Way	Traveling expenses	52.30
	Archibald McBride	Office expenses	1.50
	E. L. Volgenau	Traveling expenses	4.00
21	do	do	16.75
	A. M. Adams	do	2.50
	H. N. Waller	Office expenses	16.60
	W. C. Honan	Traveling expenses	23.69
	Geo. C. Faville	Office expenses	6.60
	W. H. Rose	do	13.15
	J. J. Brougham	do	4.95
	W. D. Jordan	Traveling expenses	60.88
	C. H. Morse	do	20.15
	F. D. Ketchum	do	14.57
	Jno. McBirney	do	14.75
	W. N. D. Bird	do	12.65
	W. S. Cass	Office expenses	2.00
	do	Traveling expenses	5.70

102 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 21	S. E. Cosford	Traveling expenses	\$31.90
	S. J. Murray	do	5.75
	G. A. Bond	do	26.00
	J. M. Turner	do	2.75
	C. A. Schaufiler	Office expenses	9.10
	F. T. Shannon	Use horse and buggy	29.00
	R. L. Cooper	do	27.00
	do	do	31.00
	J. W. Davis	do	16.00
	B. H. Adams	Office rent	40.00
	W. B. Niles	Services	120.60
23	F. L. Russell	do	144.00
	do	Traveling expenses	77.00
	C. L. Morin	do	2.35
	Wm. A. Rushworth	do	1.40
	G. W. Ward	Services	40.00
	do	Traveling expenses	10.60
	J. H. Monrad	Services	42.00
	do	Traveling expenses	15.99
	Chas. A. Blemer	do	16.15
	R. P. Steddom	do	79.82
	Wm. Thompson	Office expenses	17.35
	E. A. Conway Coal Co	Coal	7.50
	A. E. Behnke	Use horse and buggy	35.00
	J. H. Harley	Roller	8.00
	A. G. G. Richardson	Use horse and buggy	40.00
	St. Louis National Stock Yard	Office rent	75.00
	S. E. Bennett	Use saddle horse	23.00
	O. J. Lanigan	do	15.00
	O. E. Dyson	do	15.00
	A. M. Rothchild & Co	Green cloth	3.00
	Cleary Bros.	Use horse and wagon	26.00
	The White, Corbin & Co	Supplies	38.02
24	E. A. de Schweinitz	Office expenses	22.34
	A. Hoen & Co	Maps	150.00
	Library Bureau	Cards	3.70
25	Western Union Telegraph Co	Telegraph service	21.38
	do	do	12.50
	United States Electric Lighting Co	Electric current	13.49
	do	do	7.24
	Church & Stephenson	Lumber, etc	173.07
	Merchants' Parcel Delivery Co	Hauling	5.00
	Washington Gas Light Co	Gas	34.70
	Standard Oil Co	Oil	4.24
	Adams Express Co	Transportation	60.80
	A. Wilson & Bro	Green feed	9.90
	Wm. Lochte	Shoing horse, etc	3.50
	The J. C. Ergood Co	Soap	7.67
	W. M. Galt & Co	Oats	3.30
	Rudolph, West & Co	Supplies	10.23
	Mackall Bros	do	52.90
	Z. D. Gilman	do	29.00
	do	do	18.08
	do	Chalk	1.50
	H. E. Alvord	Traveling expenses	113.81
	R. A. Pearson	do	124.48
27	Burlington, Cedar Rapids and Northwest- ern Rwy. Co.	Transportation	1.65
	L. Berger	Hauling	3.65
	W. A. Taggart	Use horse	10.49
	Knickerbocker Ice Co.	Ice	6.38
	Miller Lock Co	Lock boxes	180.00
	A. J. Decker	Wis. curd test	10.00
	Hoard's Creameries	Butter	986.87
	Albert Lea Dairy Co	do	1,007.60
	W. S. Devoe	Office expenses	67.51
	Harry E. Overstreet	Transportation	.17
	do	do	.17
28	Delaware, Lackawanna and Western R. R. Co.	Passenger transportation	3.30
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	7.63
	do	do	3.48
	Michigan Central R. R. Co	do	13.50
	Galveston, Harrisburg and San Antonio Rwy. Co.	do	30.30
	Pennsylvania R. R. Co	do	38.86
	The Office and Library Co	Supplies	2.45
	Great Falls Ice Co.	Ice	10.90
	C. Voigt	Badges	400.50

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 28	F. M. Perry	Services	\$80.00
	Jno. A. Bell	do	64.00
	do	Traveling expenses	8.12
	F. M. Perry	do	38.70
Mar. 1	Geo. F. Thompson et al.	Salaries	1,805.57
	New York Telephone Co.	Telephone rent	10.43
	White Star Line	Transportation	5.10
2	American Railway supplies	Tags	13.50
	do	do	3.38
	Dennison Manufacturing Co.	do	52.00
	do	do	9.10
	E. J. Brooks & Co.	Disks	3.25
	American Express Co.	Transportation	19.05
	E. A. Conway Coal Co.	Coal	7.50
	Pomeroy's El Paso Transportation Co.	Use saddle horse	66.00
	Chicago Car Seal and Manufacturing Co.	Car seals	678.75
	Goes Lithographing Co.	Stamps	552.75
	do	Certificates of meat products	313.00
	Pennsylvania R. R. Co.	Passenger transportation	45.50
	Burlington and Missouri River R. R. in Nebraska.	do	31.00
	St. Louis and San Francisco R. R. Co.	do	2.50
	International and Great Western R. R. Co.	do	4.60
	Kansas City, Fort Scott and Memphis R. R. Co.	do	9.40
4	W. B. Moses & Sons	Carpets, etc.	25.61
	Chicago and Northwestern Rwy. Co.	Passenger transportation	16.46
	C. W. Stiles	Services	300.00
	Sarah Richards	Washing towels	2.67
6	Julius Huelsen et al.	Salaries	589.60
	C. A. Schaufler et al.	do	716.50
	H. A. Hedrick et al.	do	441.80
	F. W. Huntington et al.	do	141.40
	C. H. Zink et al.	do	933.00
	A. G. G. Richardson et al.	do	712.40
	Wm. M. Balmer et al.	do	812.40
	W. H. Rose et al.	do	846.40
	E. P. Dowd et al.	do	164.80
7	Morris Wooden et al.	do	1,618.39
	R. W. Hickman et al.	do	1,798.60
	H. C. Jones	Line engraving	1.00
	Library Bureau	Cards	8.30
	V. H. Brown & Co.	Transportation	10.21
8	J. C. Keeley	Services	93.40
	L. J. Allen	do	93.40
	Jno. A. Kiernan	do	93.40
	R. P. Steddom	do	93.40
	A. M. Adams	do	93.40
	L. A. Klein	do	93.40
	C. H. Blemer	do	108.80
	W. E. Hill	do	93.40
	Thos. A. Bray	do	93.40
	Danl. McCuningham	do	93.40
	S. J. Murray	do	93.40
	Thos. L. Rice	do	93.40
	W. D. Jordan	do	93.40
	Geo. A. Bond	do	93.40
	Geo. C. Moser	do	93.40
	Nellie Callaghan	do	8.33
	W. N. D. Bird	do	93.40
	L. E. Baker et al.	Salaries	860.20
	A. M. Rork et al.	do	163.40
	H. M. Ball et al.	do	1,058.54
	T. A. Shipley et al.	do	679.79
	H. N. Waller et al.	do	360.20
	E. P. Schaffter et al.	do	746.22
	B. S. Paddock et al.	do	412.00
	Jno. McBirney et al.	do	238.40
	Albert Dean et al.	do	466.80
	S. Stewart et al.	do	2,101.58
	G. C. Faville et al.	do	328.20
	N. C. Sorensen et al.	do	398.20
	Fredk. Braginton et al.	do	164.80
	Geo. Ditewig et al.	do	233.40
9	E. Balzer et al.	do	6,872.09
	United States Electric Lighting Co.	Electric current	9.11
	Wm. Lochte	Shoeing horses	3.37
	W. B. Moses & Sons	Rugs, etc.	56.60
	Louis Hartig	Tacks	.39
	Z. D. Gilman	Eye shades	57.50
	do	Supplies	34.93

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 9	The Chesapeake and Potomac Telephone Co	Telephone service	\$93.75
	do	do	91.71
10	W. S. Devoe et al	Salaries	6,963.04
	F. L. DeWolf et al	do	923.13
	A. J. Payne et al	do	562.81
	W. S. Cass et al	do	837.00
	Lowell Clarke et al	do	1,983.41
	S. E. Bennett et al	do	4,128.16
	S. E. Cosford et al	do	149.40
	W. E. Barth et al	do	171.90
	W. H. Gibbs et al	do	219.40
	Joshua Miller et al	do	555.81
	Frank D. Ketchum et al	do	584.20
	Jas. P. Ray	Services	17.50
	Jas. Irwin	do	77.80
	C. M. Day	do	108.80
	A. B. Morse	do	108.80
	G. M. Brumbaugh	do	194.40
11	Ernst L. Volgenau	do	73.33
	F. M. Hunter	do	77.80
	W. H. Wray	do	350.00
	V. A. Norgaard	Office expenses	6.35
	H. B. Davidson	Rent of land	50.00
	Don C. Ayer et al	Salaries	3,183.97
	Jno. Forbes et al	do	1,519.90
	T. J. Turner et al	do	1,270.30
	Thos. Castor et al	do	1,176.20
	Wm. Thompson et al	do	1,154.96
	J. J. Brougham et al	do	1,446.00
	E. W. Barthold et al	do	1,280.00
13	W. A. Heck et al	do	354.58
	Jno. R. Mohler et al	do	697.70
	A. E. Behnke et al	do	1,002.50
	O. B. Hess et al	do	108.80
	Frank T. Shannon et al	do	348.30
	Geo. S. Baker et al	do	656.40
	Bernard Cunningham et al	do	408.80
	E. N. Hutchinson et al	do	197.40
	Chas. Cowie	Services	30.00
	F. M. Perry	do	75.00
	Jno. A. Bell	do	64.00
	Ira K. Atherton	do	108.80
	A. J. Murray	do	20.00
	W. S. Cass	Office expenses	2.65
	Chas. M. Day	Traveling expenses	59.35
14	Jno. McBirney	do	52.82
	H. B. Waldron	do	41.98
	Frank Canon	do	14.75
	W. C. Honan	do	21.29
	Geo. S. Baker	do	14.10
	Albert Dean	do	11.60
	A. J. Murray	do	10.50
	Wm. D. Jordan	do	10.65
	Dan McCuningham	do	20.20
	Geo. C. Moser	do	28.34
	Lutz & Co	Surcingles	20.00
	Emil Greiner	Supplies	4.80
	The Kny Scheerer Co	Glass tubing, etc	5.35
	Chadwick Copying Book Co	Copying books	23.58
	C. L. Morin	Services	28.60
	W. H. Rose	Office expenses	16.20
	Goes Lithographing Co	Inspection stamps	20.00
	Wm. E. Pratt	Hog rings	24.00
	Albert Lea Dairy Association	Butter	960.14
15	Joshua Miller	Office expenses	6.16
	Wm. Thompson	do	15.29
	Cornish, Curtis & Greene Manufacturing Co.	Butter	117.50
	Washington Gas Light Co	Gas	38.90
	M. G. Copeland & Co	Flag	6.00
	W. M. Galt & Co	Feed for animals	380.50
16	Jos. M. Turner	Traveling expenses	5.00
	A. G. Richardson	Use of horse and buggy	40.00
	B. H. Adams	Office rent	40.00
	Pennsylvania R. R. Co	Freight on butter	24.02
	Chicago, Burlington and Northern R. R. Co.	Passenger transportation	11.50
	Galveston, Harrisburg and San Antonio Rwy. Co.	do	25.25

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 16	Kansas City, Fort Scott and Memphis R. R. Co.	Passenger transportation	\$8.05
	Southern Pacific Co.	do	13.05
	E. A. de Schweinitz	Office expenses	14.48
17	Church & Stephenson	Lumber	61.85
	Jno. A. Bell	Traveling expenses	9.12
	C. L. Morin	do	5.15
	H. P. Armsby	Services	77.80
	Bernard P. Wende	Traveling expenses .....	.85
	L. A. Robinson	do	4.25
	G. W. Ward	Services	55.00
	J. F. Ryder	do	155.60
	W. H. Wray	Traveling expenses	10.08
	Thos. Castor	do	18.50
	Austin Smith	Paper	14.40
	A. R. Wake et al.	Salaries	769.37
	D. R. Way	Traveling expenses	20.72
	Chas. H. Blemer	do	10.70
	Geo. A. Bond	do	39.10
	W. S. Cass	do	5.30
	C. J. Sihler	do	14.15
	Southern Pacific Company	Passenger transportation	38.65
	H. E. Alvord	Traveling expenses	40.40
18	The Louis Hax Furniture Co.	Tables	138.60
	Chicago Car Seal and Manufacturing Co.	Supplies	768.75
	do	do	41.25
	Goes Lithographing Co.	do	331.32
	Wm. E. Pratt	do	2.53
20	F. L. Russell	Services	24.00
	Geo. C. Faville	Office expenses	4.20
	G. W. Ward	Traveling expenses	14.95
	United States Express Co.	Transportation	6.60
	Postal Telegraph Cable Co.	Telegraphing	2.90
	do	do	1.26
	do	do .....	.37
	The Geo. W. Knox Express Co.	Transportation	18.69
21	Rudolph, West & Co.	Nails, hinges, etc.	20.38
	F. M. Perry	Traveling expenses	39.70
22	C. J. Dunn	Satchel	3.00
	F. L. Russell	Traveling expenses	16.45
	Chas. Cowie	do	1.50
	Julius Huelsen	Office expenses	4.05
	St. Louis National Stock Yards.	Office rent	75.00
	Albert E. Behnke	Use horse and buggy	35.00
	Samuel E. Bennett	Use saddle horse	23.00
	Frank T. Shannon	Use horse and buggy	29.00
	Jno. A. Kiernan	Traveling expenses	9.35
	L. A. Klein	do	9.10
	S. J. Murray	do	21.53
	L. J. Allen	do	54.80
	R. P. Steddom	do	64.38
	W. C. Barth	Office expenses .....	.40
	D. R. Way	Traveling expenses	29.15
	Don C. Ayer	Office expenses	1.50
	J. F. Ryder	Traveling expenses	45.00
23	H. F. Miller & Son	Sample boxes	23.00
	E. J. Brooks & Co.	Disks	6.50
	New York Telephone Co.	Telephone rent and services	9.38
	White Star Line	Transportation	9.07
	O. J. Lanigan	Use saddle horse	15.00
	O. E. Dyson	do	15.00
	Knickerbocker Ice Co.	Ice	3.45
	Cleary Bros.	Use horse and wagon	24.00
	G. A. Shuster	Knives	2.00
	Jas. W. Davis	Use horse and buggy	16.00
	Hoard's Creameries	Butter	976.32
	Chicago, Indianapolis and Louisville Rwy. Co.	Transportation	1.56
	Baltimore and Ohio R. R. Co.	do .....	.86
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	2.67
	do	do .....	.30
	do	do .....	.60
24	Star Union Line	do .....	.60
	Jno. S. Martin & Co.	Cheese and cartage	150.87
	U. G. Houck	Traveling expenses	48.90
	E. A. Conway Coal Co.	Coal	7.50
	J. J. Brougham	Office expenses	5.80
	W. A. Pate	Axle pulleys	2.08
	Great Falls Ice Co.	Ice	10.75
	E. S. Schmid	Feed	1.50
	Rudolph, West & Co.	Supplies for carpenter shop	5.88

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 24	Capital Traction Co.	Street-car tickets	\$10.00
27	Georgetown and Tennallytown Rwy. Co.	Transfer tickets	10.00
28	C. W. Stiles	Traveling expenses	203.50
	do	Office expenses	3.57
29	W. B. Moses & Sons	Furniture	8.65
	E. Morrison Paper Co	Bands	15.75
	W. H. Butler	Glass	4.00
	Star Union Line	Transportation	3.24
	Vandalia Line	do	51.80
	Chicago and Northwestern Rwy. Co	do	1.22
	do	do	3.91
	do	do	45.01
	do	do	31.51
	Chicago, Burlington and Quincy R. R. Co.	do	.25
	Hannibal and St. Joseph R. R. Co	do	8.97
	do	do	4.52
31	Rice P. Steddom	Services	103.30
	do	Traveling expenses	66.25
	Geo. F. Thompson et al.	Salaries	2,056.80
	Total third quarter		225,038.75
Apr. 1	C. S. Braisted	Pencils	25.80
	Eimer & Amend	Supplies	13.50
	E. J. Brooks & Co	do	120.50
	do	Lead disks	42.25
	Morris Wooden	Traveling expenses	34.75
	Swift & Co	Transportation of butter	439.58
	Thos. Somerville & Sons	Supplies	112.04
	do	Supplies for repairing steam pump.	42.16
	A. Wilson & Bro	Green feed	10.55
5	E. H. Catlin & Co	Supplies	3.08
	J. R. Buckelew	Paper	58.35
	Fredk. Springmann	Transportation	.80
6	E. L. Volgenau	Services	103.30
	A. G. G. Richardson et al	Salaries	806.30
	W. M. Balmer et al	do	795.50
	H. A. Hedrick et al	do	489.10
	Julius Huelsen et al	do	652.70
	E. P. Dowd et al	do	182.60
	W. H. Rose et al	do	936.80
	C. W. Stiles	Services	300.00
	do	Traveling expenses	150.93
	The White, Corbin & Co	Envelopes	19.57
7	C. H. Zink et al.	Salaries	1,101.70
	C. A. Schaufler et al.	do	797.00
	F. W. Huntington et al	do	157.30
	R. W. Hickman et al	do	1,919.20
	G. C. Faville et al	do	363.40
	A. J. Payne et al	do	704.40
	A. M. Rork	Services	103.30
	W. N. D. Bird	do	103.30
	H. N. Waller et al	Salaries	401.90
	W. S. Cass et al	do	918.20
	Niels C. Sorensen et al	do	466.70
	Thos. L. Rice	Services	103.30
	S. J. Murray	do	103.30
	Geo. C. Moser	do	103.30
	Dan. McCunningham	do	103.30
	J. A. Kiernan	do	103.30
	W. D. Jordan	do	103.30
	L. A. Klein	do	103.30
	J. C. Keely	do	103.30
	W. E. Hill	do	103.30
	T. A. Bray	do	103.30
	Geo. A. Bond	do	103.30
	A. M. Adams	do	103.30
	L. J. Allen	do	103.30
	C. H. Blemer	do	120.60
	Albert Dean et al	Salaries	556.60
	Fredk. Braginton et al.	do	182.60
	L. R. Baker et al	do	942.40
	Geo. Ditewig et al.	do	258.30
	F. D. Ketchum et al.	do	617.60
	Jno. McBirney et al.	do	280.30
	E. P. Schaffter et al.	do	886.20
	J. J. Brougham et al.	do	1,718.67
8	H. M. Ball et al.	do	1,105.40
	Morris Wooden et al.	do	1,882.65

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 8	C. H. Stevens	Services	\$120.60
	I. K. Atherton	do	120.60
	Jas. Irwin	do	86.10
	A. B. Morse	do	120.60
	A. E. Behnke et al	Salaries	1,102.10
	Don C. Ayer et al	do	3,633.40
10	S. E. Bennett et al	do	4,584.91
	W. H. Gibbs et al	do	242.80
	Wm. Thompson et al	do	1,295.00
	Jno. Forbes et al	do	2,022.33
	Jno. R. Mohler et al	do	1,032.70
	T. A. Shipley et al	do	474.25
	W. C. Barth et al	do	193.10
	S. E. Cosford et al	do	165.30
	E. N. Hutchinson et al	do	221.30
	Geo. S. Baker et al	do	724.30
	H. B. Davidson	Rent of land	50.00
	Rudolph, West & Co	Supplies	5.00
	G. M. Brumbaugh	Services	215.30
	W. S. Devoe et al	Salaries	7,901.19
	H. G. Arnold et al	do	1,942.00
	Benj. S. Paddock et al	do	454.50
	Jno. C. Parker	File cabinet, etc	76.04
11	A. R. Wake et al	Salaries	989.23
	Lowell Clarke et al	do	2,172.00
	W. B. Niles	Services	73.89
	Chas. M. Day	do	120.60
	W. H. Brown Co., agents	Freight on butter	23.51
	Wm. J. Reagan	Services	16.67
	E. Balzer et al	Salaries	86.67
12	do	do	6,725.46
	S. Stewart et al	do	1,591.14
	Robt. Darling et al	do	1,227.36
	T. J. Turner et al	do	1,378.81
	O. B. Hess	Services	120.60
	Great Falls Ice Co.	Ice	13.00
	W. Willett Trego	Garden barrows, etc	12.30
	Rufus P. Clarke	Towels	21.70
	Church & Stephenson	Lumber	57.41
	do	do	3.25
	Albert Lea Dairy Association	Butter	1,129.48
13	Frank L. De Wolf et al	Salaries	1,026.40
	Joshua Miller et al	do	590.45
	Frank T. Shannon et al	do	399.60
14	Jno. S. Martin & Co	Cheese, etc	75.26
	Bausch & Lomb Optical Co	Slips	3.44
	Asa N. McQueen	Services	30.00
15	Z. D. Gilman	Alcohol	14.46
	do	Nux vomica	.95
	Mackall Bros	Supplies	35.00
	W. M. Galt & Co	Forage	7.28
	Washington Gas Light Co	Gas	36.80
17	Jno. A. Bell	Traveling expenses	8.62
	do	Services	43.00
	A. H. Richards	Traveling expenses	25.25
	do	Services	11.67
	Chas. Cowie	do	15.00
	W. H. Wray	do	387.50
	do	Office expenses	3.33
	F. M. Hunter	Services	86.10
	J. F. Ryder	do	172.20
	do	Traveling expenses	45.00
	Julius Huelson	Office expenses	3.05
	E. N. Hutchinson	Traveling expenses	4.50
	N. Simon Co., Limited	Cheese, Dairy Division	227.38
	Geo. S. Baker	Traveling expenses	14.90
	Hoard's Creameries	Butter, Dairy Division	1,216.23
	W. M. Foster	Services	28.00
	Wm. C. Honan	Traveling expenses	23.10
	W. S. Cass	do	5.20
	Library Bureau	Cards	16.50
	United States Electric Lighting Co	Electric current	10.03
18	Library Bureau	Cards	8.75
	C. A. Woolsey Paint and Color Co	White kalsomine	7.00
	Emil Greiner	Supplies	5.00
	Galvanotype Engraving Co	Line engravings	11.33
	Rudolph, West & Co	Supplies	30.61
	do	do	18.17
	Mackall Bros	do	49.52
	do	Cotton, etc	9.20

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 18	Z. D. Gilman	Tubes, etc	\$19.03
	W. Willett Trego	Carriage washers	1.00
	Chas. Becker	Oil finish	52.70
	E. M. Pilden	Ink	2.40
	W. H. Butler	Glass	4.00
	F. L. Russell	Services	184.00
	do	Traveling expenses	100.95
19	A. J. Murray	do	5.50
	Albert Dean	do	30.80
	Dan. McCunningham	do	26.11
	C. H. Blemer	do	8.75
	Thos. L. Rice	do	32.15
	W. A. Rushworth	do	2.65
	W. H. Wray	do	11.16
	S. J. Murray	do	33.05
	Geo. C. Moser	do	24.85
	D. R. Way	do	53.58
	Rice P. Steddom	do	82.10
	Chas. M. Day	do	84.80
	Louis A. Robinson	do	2.35
	E. Balzer	do	23.93
	T. A. Geddes	do	53.00
	A. J. Murray	Services	10.00
	W. H. Wray	Office expenses	3.47
20	F. M. Perry	Services	95.00
	H. P. Armsby	do	86.10
	J. W. Ward	do	95.00
	Edw. P. Dowd	Office expenses	.75
	C. H. Zink	do	.60
	Julius Huelsen	do	4.05
	R. W. Hickman	do	3.70
	W. S. Cass	do	2.00
	A. R. Wake	do	3.12
	Fredk. Braginton	do	20.60
	Don. C. Ayer	do	1.00
	Wm. Thompson	do	16.64
	E. A. de Schweinitz	do	26.06
	F. M. Perry	Traveling expenses	43.05
	H. B. Waldron	do	67.11
21	W. H. Butler	Glass	2.40
	Dennison Manufacturing Co	Inspection tags	122.00
	do	Supplies	60.44
	do	Fasteners	32.50
	do	Tags	20.48
	Whitall, Tatum & Co.	Bottles	15.20
	D. H. Burrell & Co.	Boxes	30.00
22	Jno. McBirney	Traveling expenses	67.11
	Albert Dean	Office expenses	4.56
	Boston Gas Light Co.	Gas	13.20
	International Office Toilet Supply Co	Towel service	17.91
	New York Telephone Co	Telephone service	9.83
	do	do	22.60
	J. B. Colt & Co.	Lantern	119.42
	Wyandotte Gas Co.	Gas	7.10
	Jas. Sullivan	Kindling	2.00
	Armour Packing Co.	Telephone service	12.50
	W. A. Griswold	Soap	2.25
	Lawton & Burnop	Writing fluid	5.40
	Central Union Telephone Co	Telephone service	18.00
	Mathew Wood	Stallion with "Maladie du Coit"	20.00
	South Omaha Waterworks Co	Electric current	3.00
	Wm. Lochte	Shoeing horses	2.75
	A. Wilson & Bro.	Cabbage	20.65
	E. B. Markham	Pigs	36.00
24	Baker & Thornton	Letterpress	9.00
	Combe Printing Co.	Supplies	3.50
	Chicago Telephone Co	Telephone service	87.50
	R. H. Williams	Pearline	3.10
	F. P. May & Co.	Saw files	.50
	The Geo. W. Knox Express Co.	Transportation	.25
	Fredk. Springmann	do	.40
26	Wm. E. Pratt	Hog rings	4.87
	Goes Lithographing Co	Interstate meat inspection stamps.	430.98
27	Chicago Car Seal and Manufacturing Co.	Car seals	318.75
	do	do	187.50
	Goes Lithographing Co	Meat inspection stamps	3.08
	Belt Railroad Stock Yard Co.	Office rent	30.00
	Missouri and Kansas Telephone Co	Telephone service	12.50
	St. Louis and National Stock Yards Co	Office rent	75.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899. Apr. 27	The Kansas City Stock Yards Co., of Mis- souri	Office rent	\$45.00
	B. P. Oliver	do	60.00
	Pacific Telegraph and Telephone Co.	Telephone rent	30.00
	Nebraska Telephone Co	do	12.45
	Packers' National Bank	Office rent	165.00
	Union Stock Yard and Transit Co	do	45.00
	Gahan & Byrne	do	900.00
	Chas. E. Stubbs	Report on "American Horse for Export."	232.00
	E. L. Willson	Boiler grates	4.50
	Dulin & Martin Co	Copper funnel	2.00
28	State National Bank, St. Joseph, Mo.	Office rent	45.00
	A. R. Wake	Office expenses	3.10
29	B. H. Adams	Office rent	40.00
	Jas. Stikeman	do	125.00
	The East Buffalo Live Stock Exchange Co.	do	90.00
	New England Telephone and Telegraph Co.	Telephone services	42.00
	Estate of Benj. Adams	Office rent	120.00
	Chesapeake and Potomac Telephone Co.	Telephone rent	19.50
	J. A. Turner Co	Office rent	36.00
	Dennison Manufacturing Co	Inspection tags	446.00
	do	Fasteners	29.90
	do	Meat tags	1.30
	American Railway Supply Co.	do	10.13
	do	Export tags	1.35
	Library Bureau	Cards	5.94
	Geo. E. Howard	Pen drawing	90.00
	Geo. F. Thompson et al.	Salaries	1,960.00
May 1	Merck & Co	Supplies	1.09
	Geo. E. Gangloff	Use horse and buggy	90.00
	White Star Line	Freight on cheese	5.22
	Bay State Clean Towel Furnishing Co.	Towel supply	32.58
	A. G. G. Richardson	Use horse and buggy	40.00
	O. E. Dyson	Use saddle horse	15.00
	Cleary Bros	Use horse and buggy	27.00
	Knickerbocker Ice Co.	Ice	4.88
	H. D. Hawley	Use horse and buggy	69.00
	O. J. Lanigan	Use saddle horse	15.00
	H. B. Brown	Purchases of horses	100.00
	W. F. Strothide	Purchases of cattle	38.00
	H. C. Dale	do	36.00
	Jas. Evans	Purchase of horse	20.00
	J. A. Henderson	do	8.00
	M. L. Henderson	do	10.00
	S. E. Bennett	Use saddle horse	23.00
	Silver Laundry and Towel Co.	Towels furnished	28.75
	Jas. Sullivan	Coal	13.00
	E. A. Conway Coal Co	do	7.50
	Iowa Telephone Co	Telephone service	6.00
	Jas. W. Davis	Use horse and buggy	16.00
	Omaha Steam Laundry	Towels furnished	17.94
	Frank T. Shannon	Use horse and buggy	29.00
	Jno. Forbes	do	45.00
	A. E. Behnke	do	35.00
	E. Ireland	Purchase of horse	37.50
	The E. E. Jackson Co	Lumber	9.09
	W. B. Moses & Sons	Screen	9.00
	Standard Oil Co	Oil	48.12
	W. M. Galt & Co	Oats	3.30
	Henry E. Alvord	Traveling expenses	33.15
2	Freemont, Elkhorn and Missouri Valley R. R. Co.	Passenger transportation	36.48
	do	do	24.32
	Houston and Texas Central R. R. Co.	do	5.00
	Pennsylvania Co	do	17.50
	Southern Pacific Co.	do	13.70
	Galveston, Harrisburg and San Antonio Rwy. Co.	do	14.40
	Atchison, Topeka and Santa Fe Rwy. Co.	do	60.08
3	R. L. Cooper	Use horse and buggy	46.00
	Albert Lea Dairy Association	Butter	1,146.66
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	Transportation .....	.74
	Burlington and Missouri R. R. in Nebraska.	do	12.01
	Hannibal and St. Joseph R. R. Co.	do	10.72
	Lehigh Valley R. R. Co.	do .....	.75
	Star Union Line	do .....	.70
5	G. M. Brumbaugh	Services	206.00
	L. R. Baker et al.	Salaries	911.30

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 5	Albert Dean et al	Salaries	\$583.51
	W. B. Niles	Services	80.77
	Hibbard, Spencer, Bartlett & Co	Supplies	2.67
	Exter & Sons	Gasoline	5.15
	Cutler-Nielson Paint and Color Co	Blue paste, etc.	11.25
	H. A. Hedrick et al	Salaries	468.00
	Julius Huelsen et al	do	612.77
	W. H. Rose et al	do	896.50
	do	Office expenses	14.65
	H. A. Hedrick	do	8.45
6	Ira K. Atherton	Services	115.40
	A. B. Morse	do	115.40
	A. M. Rork	do	98.90
	L. A. Klein	do	98.90
	S. J. Murray	do	98.90
	Geo. C. Moser	do	98.90
	Dan. McCunningham	do	98.90
	Jno. A. Kiernan	do	88.90
	Jas. C. Keely	do	98.90
	W. D. Jordan	do	98.90
	W. E. Hill	do	98.90
	Thos. A. Bray	do	98.90
	Geo. A. Bond	do	98.90
	R. J. Blanche	do	69.23
	A. M. Adams	do	23.08
	L. J. Allen	do	98.90
	C. H. Blemer	do	115.40
	T. A. Shipley et al	Salaries	422.00
	E. P. Schaffter et al	do	794.02
	S. E. Bennett et al	do	4,427.89
	C. W. Stiles	Salary	300.00
8	Geo. C. Faville	Office expenses	11.01
	do	do	5.45
	Geo. C. Faville et al	Salaries	387.80
	C. A. Schaufler et al	do	753.33
	R. W. Hickman et al	do	1,886.28
	E. P. Dowd et al	do	174.70
	F. W. Huntington et al	do	148.90
	Jno. P. O'Leary	Services	23.08
	do	Traveling expenses	12.45
	E. L. Volgenan	Services	98.90
	L. K. Green	do	69.23
	do	Traveling expenses	13.00
	W. C. Barth et al	Salaries	189.60
	Fredk. Braginton et al	do	174.70
	A. E. Behnke et al	do	1,055.10
9	Niels C. Sorensen	Office expenses	15.00
	Niels C. Sorensen et al	Salaries	442.78
	E. Balzer et al	do	148.40
	A. G. G. Richardson et al	do	781.69
	W. M. Balmer et al	do	832.35
	B. P. Wende	Traveling expenses	.95
	C. H. Zink et al	Salaries	997.20
	Geo. Ditewig et al	do	247.30
	W. H. Gibbs et al	do	232.40
	Chas. H. Stevens	Services	115.40
	W. N. D. Bird	do	98.90
10	Thos. J. Turner	Office expenses	15.26
	Thos. J. Turner et al	Salaries	1,524.63
	S. Stewart et al	do	1,109.89
	Emery, Bird, Thayer Dry Goods Co	Brush	2.98
	Don C. Ayer et al	Salaries	3,504.26
	W. S. Cass et al	do	855.19
11	W. M. Galt & Co	Forage	182.50
	The Chesapeake and Potomac Telephone Co	Telephone service	93.75
	H. Bradley Davidson	Rent of land	50.00
	Leo Baum	Photos for report	5.00
	Z. D. Gilman	Medicines	3.45
	Royce & Marean	Copper wire	18.15
	W. B. Moses & Sons	Screen	4.00
	Hugh Reilly	Supplies for carpenter shop	1.25
	R. Carter Ballantyne	Fasteners, etc	6.10
	W. H. Butler	Oil	1.00
	Lutz & Co	Collar and bridle for horse	9.00
	Jas. B. Lambie	Leather belting, etc	16.70
	do	Supplies	15.85
12	W. S. Devoe	Office expenses	45.21
	W. S. Devoe et al	Salaries	7,841.30
	Horace G. Arnold et al	do	1,941.20
	Benj. S. Paddock et al	do	364.10

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 12	Lowell Clarke et al	Salaries	\$1,521.86
	Frank L. De Wolf et al	do	989.55
	J. J. Brougham et al	do	1,692.00
	Frank D. Ketchum et al	do	728.50
	A. J. Payne et al	do	662.27
	Joshua Miller et al	do	517.25
	Samuel E. Cosford et al	do	158.20
	Wm. Thompson et al	do	1,217.06
	A. R. Wake et al	do	903.30
	A. R. Wake	Office expenses	2.04
	A. J. Payne	do	2.80
	U. G. Hank et al	Salaries	1,718.06
	T. A. Shipley	Office expenses	22.72
13	Office Toilet Supply Co.	Towels furnished	157.50
	Wm. C. Honan	Traveling expenses	20.99
	Morris Wooden et al	Salaries	6,212.30
	Jno. Forbes et al	do	1,887.55
	E. N. Hutchinson et al	do	208.20
	Frank T. Shannon	Office expenses	3.10
	Frank T. Shannon et al	Salaries	367.54
	Harry N. Waller	Office expenses	11.51
	Harry N. Waller et al	Salaries	390.90
	Wm. D. Jordan	Traveling expenses	28.74
	Chas. M. Day	Services	115.40
	James Irwin	do	82.40
	O. B. Hess	do	115.40
	Geo. S. Baker	Office expenses	3.00
	Geo. S. Baker et al	Salaries	695.70
	Jno. E. Mohler et al	do	997.71
	Robt. Darling et al	do	1,084.15
	Jno. A. Bell	Services	8.00
	Henry P. Armsby	do	82.40
	do	Traveling expenses	30.88
	F. M. Perry	Services	100.00
	Chas. Cowie	do	65.00
	do	Traveling expenses	2.50
	Niels C. Sorensen	Office expenses	17.10
	Wm. A. Heck	Traveling expenses	11.01
15	The Houghton Co	Shades	30.45
	Melville Lindsay	Supplies	32.00
	Washington Gas Light Co.	Gas	33.50
	E. J. Pullman	Seed plates, dairy division	1.40
	Rudolph, West & Co	Water cooler, etc	4.84
	Z. D. Gilman	Supplies	5.38
	do	do	26.30
	do	do	29.73
	Jas. B. Lambie	Chamois skins	9.13
	United States Electric Lighting Co.	Electric current	3.03
	Harry M. Ball et al	Salaries	1,044.91
	Jno. McBirney et al	do	779.84
	Jno. McBirney	Traveling expenses	19.94
	Chas. A. Schaulfer	Office expenses	18.55
16	Abram M. Adams	Traveling expenses	39.76
	W. S. Cass	do	4.90
	B. P. Wende	do	.85
	Louis A. Robinson	do	1.45
	C. H. Zink	Office expenses	1.76
	A. G. G. Richardson	do	7.26
	Jno. McBirney	Traveling expenses	77.27
	Geo. S. Baker	do	14.60
	Chas. H. Blemer	do	10.15
	G. W. Ward	Services	105.00
	do	Traveling expenses	30.45
	F. L. Russell	Services	112.00
	J. August Fries	do	86.10
	do	do	82.40
	Edwd. B. Holland	do	270.00
	Arthur M. Rork	Salary	29.67
	Jno. A. Bell	Traveling expenses	1.62
	W. H. Wray	Services	375.00
	do	Traveling expenses	10.80
	F. M. Hunter	Services	82.40
	J. F. Ryder	do	164.80
	do	Traveling expenses	48.05
17	Rufus P. Clarke	Linen	1.58
	Yawman & Erbe Manufacturing Co	File cases	6.60
	The Bell Telephone Co	Telegraph service	40.00
	Wm. Hunter	Purchase of horse	20.00
	Jas. Caldwell	do	35.00
	D. Keethler	Purchase of horses	77.50

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 17	Ira Keethler	Purchase of horses	\$80.00
	W. C. Cook	Purchase of horse	30.00
18	E. J. Brooks & Co	Disks	6.50
	American Railway Supply Co	Tags	55.35
	do	do	15.25
	do	do	12.15
	do	do	2.70
	F. M. Perry	Traveling expenses	49.70
	S. J. Murray	do	44.51
	Thos. L. Rice	do	29.70
	Chas. M. Day	do	94.50
	Boardman Bros.	Eggs, Dairy Division	130.50
	Maxwell Bros.	Boxes	55.75
	Hoard's Creameries	Butter, Dairy Division	709.00
	Jas. J. Bowen	Hire horse and buggy	21.00
	W. M. Galt & Co	Oats	3.30
	R. A. Pearson	Traveling expenses	59.35
19	Chicago and Northwestern Rwy. Co	Transportation	11.17
	do	do	.15
	Star Union Line	do	18.45
	do	do	1.32
	Vandalia Line	do	6.35
	do	do	.87
	Hannibal and St. Joseph R. R. Co	do	6.38
	do	do	3.31
	do	do	11.27
	do	do	4.64
20	Thos. Somerville	Supplies	145.16
	Jno. C. Parker	Pads, paper labels, etc	110.13
22	M. Stone	Traveling expenses	33.92
23	W. B. Niles	do	23.29
26	A. E. Behnke	Use horse and buggy	35.00
	Electric Toilet Supply Co.	Towel supply	11.00
	Bausch & Lomb Optical Co.	"Objectives"	540.00
	Goes Lithographing Co.	Stamps	22.00
	Chicago Car Seal and Manufacturing Co.	Car seals	450.75
	Frank T. Shannon	Use of horse and buggy	29.00
	Sophia Bower	Horse	40.00
	H. C. Doll	Calf	3.00
	Cleary Bros.	Use horse and buggy	25.00
	O. E. Dyson	Use horse	15.00
	Knickerbocker Ice Co.	Ice	4.58
	O. J. Lanigan	Use horse	15.00
	Saml. E. Bennett	do	23.00
	Jas. W. Davis	Use horse and buggy	16.00
	St. Louis National Stock Yards	Rent of office	75.00
	Pomeroy's El Paso Transportation Co.	Use horse February, March, and April.	66.00
	L. Berger	Hauling	3.25
	C. L. Fitch	Butter coloring, standard	5.00
27	E. A. de Schweinitz	Office expenses	17.15
31	G. F. Thompson et al	Salaries	2,256.70
June 1	E. Morrison Paper Co	Paper	.75
	Z. D. Gilman	Medicine	3.75
	R. C. Ballantyne	Eyelet punch, etc.	1.30
	Jas. B. Lambie	Machine screens	.60
	R. L. Cooper	Hire of horse	24.00
	David Pifferling	Cattle	140.00
	Great Falls Ice Co.	Ice	13.13
	Sarah Richards	Washing towels	3.90
	Elmer H. Catlin & Co	Supplies	37.50
	W. H. Chambers	Horses	80.00
	Geo. E. Howard	Drawings for Dairy Division	20.00
	A. Wilson & Bro	Food for animals	5.88
	Wm. Lochte	Shoeing horses	5.50
	W. H. Butler	Window glass	2.94
	Cornish, Curtis & Green Manufacturing Co.	Supplies for transportation of butter.	70.92
	A. J. Murray	Traveling expenses	15.50
	do	Services	30.00
	D. R. Way	Traveling expenses	57.47
	Jno. McBirney	Office expenses	23.40
	do	do	15.38
	Wm. D. Jordan	Traveling expenses	40.84
	R. J. Blanche	do	16.95
	Dan McCuningham	do	23.65
	L. J. Allen	do	25.40
	Geo. C. Moser	do	27.40
	Jno. A. Kiernan	do	32.50
	J. J. Brougham	Office expenses, April	6.57

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
June 1	J. J. Brougham	Office expenses, May	\$5.48
	A. E. Behnke	Office expenses	30.12
	William Thompson	do	15.58
	L. R. Baker	do	1.00
	W. S. Cass	do	2.00
	Jno. Forbes	do	4.55
	Vernon H. Brown & Co., agents	Transportation of butter	37.73
	do	do	19.47
2	Albert Lea Dairy Association	Butter	688.27
	Webb Bros. Co	Cord of pine slabs	2.00
	Goes Lithographing Co	Meat-inspection stamps	237.60
	Willis B. Lincoln	Traveling expenses	16.35
	A. C. Becker	do	40.88
	Pennsylvania R. R. Co	Freight on butter, Dairy Division.	5.65
	H. B. Waldron	Traveling expenses	67.79
	Baltimore and Ohio R. R. Co.	Passenger transportation	6.50
	Chicago, Rock Island and Texas Rwy. Co.	do	5.85
	Galveston, Harrisburg and San Antonio Rwy. Co.	do	72.00
	Guif. Colorado and Santa Fé Rwy. Co.	do	8.35
	Southern Pacific Co	do	20.10
	do	do	8.40
	Dennison Manufacturing Co	Meat-inspection tags	286.00
	do	Duplicate tags	38.25
	do	Fasteners	9.10
	Merchants' Refrigerating Co.	Services, Dairy Division	102.24
	I. T. Osmond	do	100.00
	B. H. Adams	Office rent	40.00
	F. L. Russell	Traveling expenses	73.60
	New York Telephone Co	Telephone service and rent	10.58
	A. G. G. Richardson	Use horse and buggy	40.00
	G. W. Ward	Traveling expenses	27.70
	The Chas. Willis Surgical Institute Co	Supplies	10.15
	C. S. Braisted	Penholders	2.64
	Library Bureau	Cards	3.00
	do	do	3.00
	Emil Greiner	Gas burners	6.00
	Chadwick Copying Book Co	Copying book	23.58
	Eimer & Amend	Supplies	2.05
	N. Rufus Gill	Office rent	31.25
	D. E. Salmon	Traveling expenses	22.25
	David Pifferling	Sixteen horses	520.00
	Mackall Bros	Supplies	28.60
	Fred. A. Schmidt	do	13.64
	Postal Telegraph Cable Co.	Telegraph service	3.72
	do	do	1.94
	E. L. Volgenau	Services	102.20
	E. P. Dowd et al	Salaries	180.60
	E. Balzer et al	do	196.06
	F. W. Huntington et al	do	132.20
	Geo. A. Bond	Services	102.20
	W. E. Hill	do	102.20
	Thos. A. Bray	do	102.20
	Richd. J. Blanche	do	102.20
	Jas. C. Keely	do	102.20
	J. A. Kiernan	do	102.20
	L. A. Klein	do	102.20
	W. D. Jordan	do	102.20
	Dan McCuningham	do	102.20
	S. J. Murray	do	102.20
	Thos. L. Rice	do	102.20
	L. J. Allen	do	102.20
	Chas. H. Blemer	do	119.20
	Ira K. Atherton	do	119.20
	C. J. Sihler	do	52.75
	Fredk. Bragington et al	Salaries	180.60
	W. S. Cass et al	do	888.63
	A. R. Wake et al	do	757.37
	W. N. D. Bird	Services	102.20
	Louis K. Green	do	102.20
	Arthur B. Morse	do	119.20
	W. B. Lincoln	do	72.53
	Harry C. Jacobs	do	43.52
	Julius Huelsen	Office expenses	4.05
	Julius Huelsen et al	Salaries	645.80
	H. A. Hedrick et al	do	484.00
	Geo. C. Faville et al	do	359.40
	Albert Dean et al	do	511.00
	T. A. Shipley et al	do	421.21

114 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
June 7	H. N. Waller et al	Salaries	\$416.63
	Geo. Ditewig et al	do	255.40
8	W. C. Barth et al	do	195.80
	Jno. Forbes et al	do	1,974.51
	E. P. Schaffter et al	do	839.01
9	W. H. Rose et al	do	927.00
	R. W. Hickman	Office expenses	1.00
	W. H. Rose	do	10.95
	R. W. Hickman et al	Salaries	1,911.00
	W. S. Devoe et al	do	8,151.25
10	C. H. Zink	Traveling expenses	1.35
	C. H. Zink et al	Salaries	1,026.56
	Harry M. Ball et al	do	1,125.28
	Don C. Ayer et al	do	3,660.82
	A. E. Behnke et al	do	1,089.80
	Niels C. Sorensen, et al	do	431.93
	Joshua Miller et al	do	516.72
	J. J. Brougham et al	do	1,750.02
	Frank L. De Wolf et al	do	807.56
12	H. G. Arnold et al	do	2,006.08
	Benj. S. Paddock et al	do	374.76
	Morris Wooden et al	do	6,194.95
	Wm. Thompson et al	do	1,242.62
	Jno. McBirney et al	do	1,604.10
	Chas. M. Day	Services	119.20
	Chas. H. Stevens	do	119.20
	Jno. R. Mohler et al	Salaries	1,031.60
	Frank D. Ketchum et al	do	845.98
	Geo. S. Baker et al	do	718.60
	W. H. Gibbs et al	do	240.20
	E. N. Hutchinson et al	do	217.60
	Saml. E. Cosford et al	do	163.60
	O. B. Hess	Services	119.20
	S. Stewart et al	Salaries	1,018.60
13	Rufus P. Clarke	Toweling	15.20
	Postal Telegraph Cable Co	Telegraph service	6.30
	Edwd. S. Schmid	"Prepared Feed"	1.50
	W. M. Galt & Co.	Feed for animals	102.50
	Z. D. Gilman	Supplies	27.80
	do	Syringes	24.00
	do	Supplies	6.70
	do	Absorbent cotton	1.20
	H. B. Davidson	Rent of land	50.00
	Church & Stephenson	Lumber	10.55
	Rudolph, West & Co	Screw eyes	.17
	M. Du Perow	Speaking tubes, etc	6.90
	Wm. E. Pratt	Hog rings, etc.	4.80
	J. S. Ford Johnson & Co.	Typewriter chairs	207.83
	Dennison Manufacturing Co.	Tags	3.58
	E. J. Brooks & Co	Compressor glasses	120.50
14	F. M. Hunter	Services	85.20
	W. H. Wray	do	387.50
	do	Office expenses	3.70
	Henry P. Armsby	Services	85.20
	C. W. Stiles	do	300.00
	Jno. A. Bell	do	48.00
	Chas. Cowie	do	20.00
	F. M. Perry	do	85.00
	C. L. Morin	do	48.00
	J. A. Friez	do	85.20
	S. B. Richardson	Cheese, Dairy Division	21.23
	American Railway Supply Co	Tags	6.75
	A. G. G. Richardson	Use of horse and buggy	40.00
	E. J. Brooks & Co	Discs	16.58
	Dennison Manufacturing Co.	Tags	140.00
	do	Fasteners	6.50
	do	Tags	.65
	E. B. Holland	Services	135.00
	Robt. Darling et al	Salaries	1,085.30
	Eliz. C. Gibson	Services	18.13
	A. J. Murray	do	25.00
	J. F. Ryder	Traveling expenses	45.00
15	do	Services	170.40
	Geo. S. Baker	Traveling expenses	15.40
	Geo. W. Ward	do	85.00
	F. T. Shannon et al	Salaries	395.20
	T. J. Turner et al	do	1,519.13
	Lowell Clarke et al	do	1,475.13
16	Jno. A. Bell	Traveling expenses	5.62
	Chas. Cowie	do	.50

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
June 16	B. P. Wende	Traveling expenses	\$4.96
	I. T. Osmond	Services	50.00
	C. H. Zink	Traveling expenses	7.87
	L. A. Robinson	do	2.05
	Harry M. Ball	do	1.35
	Albert Dean	do	6.60
	Geo. C. Moser	do	4.00
	Jno. A. Kiernan	do	12.30
	E. J. Blanche	do	4.50
	C. J. Sihler	do	5.00
	C. H. Blemer	do	16.40
	W. N. D. Bird	do	25.54
	W. S. Cass	do	5.10
	Jas. Irwin	Services	85.20
	W. C. Honan	Traveling expenses	24.05
	Frank Bele	Purchase of cattle	40.00
	Jno. R. Mohler	Traveling expenses	33.55
	E. A. de Schweinitz	Office expenses	24.88
17	St. Louis, Keokuk and Northwestern R. R. Co.	Transportation	4.04
	Burlington and Missouri River R. R. in Nebraska	do	12.30
	do	do	.17
	Louisville and Nashville R. R. Co.	do	.91
	Oregon Railroad and Navigation Co.	do	.50
	Vandalia Line	do	1.48
	Harry E. Overstreet	do	.49
	do	do	.18
	New York, Chicago and St. Louis R. R. Co.	do	.35
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	.62
	do	do	.82
	Atchison, Topeka and Santa Fé Rwy. Co.	do	1.17
	Hannibal and St. Joseph R. R. Co.	do	22.81
	Chicago, Indianapolis and Louisville Rwy. Co.	do	2.39
	New York, New Haven and Hartford R. R. Co.	do	.82
	Star Union Line	do	2.86
	do	do	.75
	Chicago, Burlington and Quincy R. R. Co.	do	1.31
	do	do	.21
	Rudolph, West & Co.	Supplies	40.34
	do	Razors, nails, locks, etc.	8.50
	Z. D. Gilman	Syringes, etc.	13.50
	W. M. Galt & Co.	Oats	175.00
	do	do	3.30
19	G. W. Ward	Traveling expenses	15.10
	W. H. Wray	do	11.16
	W. A. Rushworth	do	1.45
	F. L. Russell	Services	40.00
	do	Traveling expenses	23.95
	Augustus C. Becker	do	55.90
	Baltimore and Ohio R. R. Co.	Transportation	1.28
	Atchison, Topeka and Santa Fé Rwy. Co.	do	3.23
	Star Union Line	do	2.18
	Chicago, Rock Island and Pacific Rwy. Co.	do	1.07
	Pennsylvania Co.	do	3.35
	Vandalia Line	do	47.33
	A. Wilson & Bros.	Feed for animals	1,242.92
20	C. L. Morin	Traveling expenses	11.85
	Julius Huelsen	Office expenses	4.55
	W. H. Wray	do	5.50
	A. R. Wake	do	1.44
	W. S. Cass	do	2.00
	Wm. Thompson	do	14.67
	Chicago, Rock Island and Pacific Rwy. Co.	Transportation	.66
	Chicago, Burlington and Quincy R. R. Co.	do	.25
	do	do	26.94
	The Atchison, Topeka and Santa Fé Rwy. Co.	do	43.86
	Wabash R. R. Co.	do	2.69
	Lake Shore and Michigan Southern Rwy. Co.	do	1.82
	H. E. Alvord	Traveling expenses	37.20
	Rice P. Steddom	Services	98.90
21	W. H. Rose	Office expenses	12.75
	L. Berger	Hauling	2.05
	Jas. W. Davis	Use horse and buggy	16.00
	Swift & Co.	Freight on butter	48.55

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
June 21	Knickerbocker Ice Co	Ice	\$5.40
	Jno. F. Rief	Purchase of horse	20.00
	St. Louis National Stock Yards	Office rent	75.00
	A. E. Behnke	Use horse and buggy	35.00
	F. T. Shannon	do	29.00
	Frank Bele	Purchase of calf	20.00
	M. Stone	Traveling expenses	47.64
	Chas. M. Day	do	74.50
	S. J. Murray	do	24.70
	A. J. Murray	do	13.00
	Dan McCunningham	do	39.47
	Wm. D. Jordan	do	89.50
	Leslie J. Allen	do	38.90
	Thos. L. Rice	do	30.01
	Jno. McBirney	do	87.13
	D. R. Way	do	61.00
22	Saml. E. Bennett	Use of horse	23.00
	Galveston, Harrisburg and San Antonio Rwy. Co.	Passenger transportation	22.40
	B. H. Adams	Office rent	40.00
	Jas. C. Keely	Traveling expenses	68.95
	A. M. Rothschild & Co	Cloth for microscopists' tables	3.00
	Cleary Bros	Hire of horse and wagon	26.00
	O. J. Lanigan	Use of horse	15.00
	O. E. Dyson	do	15.00
23	F. M. Perry	Traveling expenses	58.10
24	Wm. Lochte	Shoeing horse	4.75
	Washington Gas Light Co	Gas	25.90
	James G. Bowen	Use of horse and buggy	21.00
	Great Falls Ice Co.	Ice	18.50
	Thos. Somerville & Sons	Galvanized union .....	.13
	Adams Express Co.	Transportation	9.30
	do	do	5.05
	do	do	4.55
	Thos. Somerville & Sons	Supplies	76.00
26	Walter J. Stewart	Traveling expenses	14.90
27	Henry Henricks	Horse	60.00
	Hugh Perkins	do	40.00
	Chicago Car Seal and Manufacturing Co do	Car seals	415.50
	do	do	82.50
	Wm. E. Pratt	Hog rings	66.56
	Goes Lithographing Co	Meat-inspection stamps	529.65
	H. B. Waldron	Traveling expenses	89.37
	Abram M. Adams	do	49.82
	Jas. J. Brougham	Office expenses	4.42
	W. B. Niles	Traveling expenses	47.59
29	Jas. B. Lambie	Spades, picks, etc.	16.55
	do	Glue, bolts, etc.	3.38
	J. R. Buckelew	Letter books	15.83
	Melville Lindsay	Supplies	2.18
	Rufus P. Clarke	Thread .....	.82
	Ernest Betz	Supplies	5.25
	A. A. Winfield	Meat	10.05
	A. D. Melvin	Traveling expenses	75.74
30	G. F. Thompson et al.	Salaries	2,112.33
	Total for the quarter		214,890.69
	<i>Supplemental.</i>		
1899.			
July 1	New York Telephone Co	Telephone service	10.13
	F. M. Thornton	Services	17.50
5	C. W. Stiles	do	300.00
	do	Traveling expenses	195.67
	Simpson, McIntire & Co	Butter, Dairy Division	320.32
	R. P. Steddon	Services, May	102.20
	do	Services, June	98.90
	United States Electric Lighting Co	Electric current	2.53
	Leo Baum	Supplies, Dairy Division	7.02
6	H. B. Davidson	Rent of land	50.00
8	H. P. Armsby	Services	82.40
	J. A. Fries	do	82.40
	E. S. Volgenau	do	75.82
	A. F. Martins	do	26.37
	H. D. Mayne	do	98.90
	L. J. Allen	do	98.90
	Jas. C. Keely	do	98.90
	W. D. Jordan	do	98.90
	Thos. L. Rice	do	98.90
	R. J. Blanche	do	98.90

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
July 8	Geo. A. Bond	Services	598.90
	Dan McCunningham	do	98.90
	Jno. A. Kiernan	do	92.31
	S. J. Murray	do	98.90
	W. E. Hill	do	98.90
	Chas. H. Blemer	do	115.40
	Thos. A. Bray	do	98.90
	L. A. Kline	do	98.90
	Jno. R. Mohler	Traveling expenses	33.60
10	R. W. Hichman et al	Salaries	1,840.79
	Louis K. Green et al	do	158.20
	Jas. Irwin	Services	82.40
	W. N. D. Bird	do	98.90
	Ira K. Atherton	do	115.40
	Willis B. Lincoln	do	98.90
11	R. W. Tuck et al	Salaries	1,001.67
	A. A. Winfield	Meat	3.09
	E. J. Pullman	Eikonogen	.30
	Standard Oil Co	Kerosene oil	4.24
	R. P. Steddom	Traveling expenses, April	92.22
	do	Traveling expenses, June	85.57
12	Pearre E. Crowl & Co	Sponge rubber	4.08
	F. E. Lawler	Cheese, Dairy Division	94.50
	United States Express Co	Transportation	69.40
	do	do	9.60
	do	do	8.20
	do	do	5.70
	Goumpf & Thompson	Enameling	5.25
13	Morris Wooden et al	Salaries	6,394.75
	H. G. Arnold	do	1,905.66
	L. J. Grant	Brickwork	18.00
14	W. S. Devoe et al	Salaries	7,747.44
	Benj. S. Paddock et al	do	366.60
	E. Balzer et al	do	197.90
	C. H. Zink et al	do	991.72
	R. P. Steddom	Office expenses	3.50
	Victor E. Norgaard	Traveling expenses	31.70
	R. P. Steddom	do	166.28
	Dulin & Martin Co	Tin pans	1.75
	J. R. Buckelew	Tabulator, etc	27.00
	Geo. E. Howard & Co	Vaccine envelopes	34.00
15	Jno. Forbes et al	Salaries	1,957.18
	Lowell Clarke et al	do	1,395.03
	T. J. Turner et al	do	1,533.46
17	Frank T. Shannon et al	do	382.40
	S. Stewart et al	do	1,150.50
	Don C. Ayer et al	do	3,560.46
	Harry M. Ball et al	do	1,086.14
	Victor A. Norgaard	Traveling expenses	18.95
18	C. W. Stiles	do	118.20
	A. B. Morse	Services	115.40
	David Cumming	do	45.00
	Chas. M. Day	do	115.40
	Benj. Howes	do	98.90
	Geo. W. Ward	do	70.00
	C. L. Morin	do	64.00
	Chas. Cowie	do	25.00
	Jno. A. Bell	do	24.00
	F. M. Perry	do	125.00
	A. J. Murray	do	15.00
	C. A. Schauffer et al	Salaries	753.21
	Saml. E. Cosford et al	do	158.20
	H. N. Waller et al	do	349.16
	E. N. Hutchinson et al	do	261.63
	J. A. Turner Co	Office rent	36.00
	N. Rufus Gill	do	31.25
	New York Telephone Co	Telephone service	22.75
	Pacific Telephone and Telegraph Co	do	30.00
	The Chesapeake and Potomac Telephone Co	do	93.75
	Chas. R. Edmonston	Agate can, etc	2.90
19	Rudolph, West & Co	Supplies for experiment station	9.85
	do	Supplies for laboratories	9.18
	Mackall Bros	do	25.30
	do	Supplies	1.99
	W. M. Galt & Co	Oats	3.30
	Louis A. Robinson	Traveling expenses	2.80
	Bernhard P. Wende	do	1.95
	C. H. Zink	do	3.80

118 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
July 19	Geo. W. Ward	Traveling expenses	\$6.50
	Jno. A. Bell	do	4.12
	C. L. Morin	do	15.15
	E. A. de Schweinitz	Office expenses	25.00
	W. H. Wray	Services	375.00
	J. F. Ryder	do	164.80
20	F. M. Hunter	do	82.40
	J. F. Ryder	Traveling expenses	45.00
	W. B. Moses & Sons	Desk	25.95
	Royce & Marean	Wire	9.65
	Church & Stephenson	Lumber	36.55
	American Railway Supply Co	Tags	135.00
	do	do	72.90
	do	do	31.05
	H. F. Miller & Son	Boxes	28.75
	E. J. Brooks & Co.	Disks	9.75
	Emil Greiner	Supplies	11.00
	East Buffalo Live Stock Exchange Co	Office rent	90.00
	Estate of Benj. Adams	do	120.00
	Jas. Stikeman	do	125.00
	B. H. Adams	do	40.00
	A. G. G. Richardson	Use horse and buggy	40.00
	International Office Toilet Supply Co	Towel service	17.92
	R. L. Cooper	Use horse and buggy	6.00
	The Bell Telephone Co. of Philadelphia	Telephone service	40.00
	Geo. E. Gangloff	Use horse and buggy	90.00
	The Bell Telephone Co. of Buffalo	Telephone service	12.00
	New England Telephone and Telegraph Co	do	42.00
	The Chesapeake and Potomac Telephone Co.	do	19.50
21	The White, Corbin & Co.	Envelopes	5.70
	Great Falls Ice Co.	Ice	22.10
	Washington Gas Light Co.	Gas	21.80
	Postal Telegraph Cable Co.	Telegraph service .....	.40
	do	do .....	.40
	J. C. Thornton & Son	Cows	250.00
	C. A. Muddiman & Co	Supplies	3.57
	Jas. B. Lambie	Pliers	9.84
22	Orrin W. Snyder	Services	29.67
	Frank L. De Wolf et al	Salaries	751.80
	W. J. Stewart et al	do	998.78
	O. B. Hess	Services	115.40
	W. H. Gibbs et al	Salaries	232.40
	Joshua Miller et al	do	512.92
	A. J. Payne et al	do	670.18
	Frank D. Ketchum et al	do	820.80
	Geo. S. Baker et al	do	695.70
	do	Traveling expenses	14.90
	W. N. D. Bird	do	17.55
	W. B. Niles	do	48.02
	S. J. Murray	do	15.15
	Thos. L. Rice	do	11.45
	A. J. Murray	do	8.00
	Wm. C. Honan	do	22.39
	Ernest N. Hutchinson	do	7.05
	Orrin W. Snyder	do	10.40
	Jno. McBirney	do	79.85
	D. R. Way	Office expenses	55.00
	Thos. A. Bray	do	1.02
	T. A. Shipley	do	9.75
	Niels C. Sorensen	do	15.24
	Frederick Braginton	do .....	.60
	A. R. Wake	do	3.44
	Chicago Car Seal and Manufacturing Co	Car seals	560.25
	do	do	363.75
	Office Toilet Supply Co	Toilet supply	143.06
	O. J. Lanigan	Saddle horse	15.00
	Cleary Bros	Horse and wagon	26.00
	Knickerbocker Ice Co.	Ice	6.83
	O. E. Dyson	Use saddle horse	15.00
	Chicago Telephone Co	Telephone service	87.50
	H. W. Hawley	Use horse and buggy	69.00
	S. E. Bennett	do	23.00
	Armour Packing Co	Telephone service	12.50
	Wyandotte Gas Co.	Gas	3.00
	Silver Laundry and Towel Co.	Towel service	13.59
	Pomeroy's El Paso Transfer Co.	Use of horse and buggy	44.00
	Boardman Bros	Eggs, dairy division	148.50
	Frank T. Shannon	Use of horse and buggy	29.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899. July 22	A. E. Behnke	Use of horse and buggy	\$35.00
	Etter & Sons	Gasoline, matches, etc	3.50
	Jas. W. Davis	Use horse and buggy	16.00
	Nebraska Telephone Co	Telephone service	12.55
	Smith & Hastings	Screws, etc	2.75
	South Omaha Ice Co.	Ice	5.20
	L. Berger	Hauling	4.50
	Iowa Telephone Co.	Telephone service	6.00
	Gahan & Byrne	Office rent	900.00
	Union Stock Yard and Transit Co	do	45.00
	G. W. Tourtellot	do	270.00
	Belt Railroad Stock Yard Co.	do	30.00
	State National Bank of St. Joseph	do	30.00
	St. Joseph Stock Yards Co.	do	30.00
	B. P. Oliver	do	60.00
	The Kansas City Stock Yard Co. of Mis- souri	do	45.00
	St. Louis National Stock Yards	do	75.00
	The Packers' National Bank	do	165.00
	Goes Lithographing Co.	Meat-inspection stamps	321.09
	do	do	32.12
25	A. C. Becker	Traveling expenses	57.00
	A. M. Adams	do	56.55
	H. B. Waldron	do	74.33
	W. S. Cass	do	5.20
	Chas. M. Day	do	81.20
	M. Stone	do	53.50
	L. J. Allen	do	37.80
	Wm. D. Jordan	do	65.20
	C. J. Sihler	do	3.25
	Jno. A. Kiernan	do	32.95
	Dan McCunningham	do	45.49
	Toolie A. Geddes	do	38.95
	Jno. F. Deadman	Services	9.00
	Cutler Nielson Paint and Color Co	Paint	1.25
	Jas. Sullivan	Coal	6.50
	Omaha Steam Laundry	Towel service	17.94
	E. J. Seykora & Co	Ink, etc	2.90
	Mackall Bros	Supplies	22.15
	Thos. Somerville & Sons	do	57.25
	Sarah Richards	Washing towels	3.45
	Wm. Lochte	Horseshoeing	5.75
	Lutz & Co	Halters, etc	20.65
	Saml. E. Watson	Services	36.00
	Henry T. Potter	do	16.00
	Wm. A. Rushworth	Traveling expenses .....	.95
	Chas. Cowie	do	1.00
	F. L. Russell	do	41.70
	F. M. Perry	do	77.95
	Hervey T. Potter	do	5.20
	H. A. Hedrick	Office expenses	8.45
	Julius Huelsen	do	4.05
	A. G. G. Richardson	do	2.24
	Wm. Thompson	do	16.84
	Thos. J. Turner	do	14.73
	A. E. Behnke	do	37.77
	Joshua Miller	do	6.96
	A. J. Payne	do	6.93
	Jno. Forbes	do	14.25
	Albert Dean	do	4.36
	Geo. S. Baker	do	3.00
	W. S. Cass	do	2.00
	Frank T. Shannon	do	4.65
	Niels C. Sorensen	do	15.00
	Chas. A. Schaulfer	do	31.80
	W. H. Rose	do	20.15
	Geo. C. Faville	do	12.80
	do	do	5.85
	Western Union Telegraph Co	Telegraph service	1.51
	do	do	3.18
	do	do	21.16
	Postal Telegraph Cable Co	do	18.80
29	W. H. Wray	Traveling expenses	13.95
	do	Office expenses	3.15
	Adams Express Co.	Transportation	3.45
	Jno. Forbes	Use horse and buggy	45.00
	Electric Toilet Supply Co.	Towel supply	2.00
	Bay State Clean Towel Furnishing Co.	Towel service	35.20
	Central Union Telephone Co	Telephone service	18.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
July 29	Missouri and Kansas Telephone Co	Telephone service	\$12.50
	New York Telephone Co	do	10.28
	Brooklyn Gas Light Co	Gas	2.50
	Boston Gas Light Co	do	9.40
	Library Bureau	Cards	10.00
	Russell Cream Co	Cream, dairy division	72.00
	J. W. Turner	Linseed oil, etc.	4.10
	Doane Bros	Casters, etc., for chairs	6.40
Aug. 2	Alfred T. Martins	Traveling expenses	21.35
	Merchants' Parcel Delivery Co.	Freight	11.40
3	Geo. F. Muth & Co.	Turpentine, etc.	2.40
	Atchison, Topeka and Santa Fé Rwy. Co.	Transportation	14.88
	do	do	14.17
	Goodrich Transportation Co	do .....	.75
	Missouri Pacific Rwy. Co	do	5.64
	Chicago and Erie R. R. Co.	do	1.36
4	Pennsylvania Co	do	3.32
	Illinois Central R. R. Co.	do	6.36
	do	do	2.04
	Atchison, Topeka and Santa Fé Rwy. Co.	do	5.62
	Star Union Line	do .....	.70
	do	do .....	.65
	Chicago, Rock Island and Pacific Rwy. Co.	do .....	.92
	do	do .....	.16
	Missouri Pacific Rwy. Co	do	5.66
	Vandalia Line	do	13.43
	Michigan Central R. R. Co	do .....	.48
	Chicago and Northwestern Rwy. Co.	do	2.74
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do .....	.46
5	Dennison Manufacturing Co	Meat-inspection tags	262.00
	do	do	167.60
	do	Supplies	46.67
	do	do	19.50
	do	do	8.78
	do	do	7.80
	do	do	5.20
	R. W. Hickman	Office expenses	1.95
	Lewis R. Baker	do	1.00
8	W. E. Pratt	Hog rings	72.01
9	Don C. Ayer	Office expenses .....	.41
	J. J. Brougham	do	4.48
10	Jno. McBinney	do	105.70
11	Jno. C. Parker	Memorandum books	34.56
14	Z. D. Gilman	Supplies	55.30
	do	Absorbent cotton	2.00
16	Adams Express Co.	Transportation	15.15
17	W. E. Hill	Traveling expenses	25.00
18	Adams Express Co.	Transportation	27.90
	do	do	18.85
	do	do	10.90
19	Chas. Truax Greene & Co.	Dissecting scissors, etc.	66.00
	H. N. Waller	Office expenses	15.17
21	David Piffertling	Cows	45.00
	Union Stock Yard and Transit Co	Office rent	50.00
	C. W. Stiles	Traveling expenses	155.90
	do	do	128.44
	Bausch & Lomb Optical Co	Repairing tube to microscope	1.60
22	United States Electric Lighting Co	Electric current	6.10
23	Georgetown and Tennallytown Rwy. Co.	Freight	1.00
	O. W. Snyder	Transportation .....	.60
24	James G. Bowen	Use horse and buggy	24.00
25	A. G. G. Richardson	Office expenses	6.13
30	W. S. Devoe	do	56.12
Sept. 6	Chicago and Northwestern Rwy. Co.	Passenger transportation	9.70
	Atchison, Topeka and Santa Fé Rwy. Co.	do	9.65
	Fremont, Elkhorn and Missouri Valley R. R. Co.	do	4.08
	Central R. R. Co. of New Jersey	do	6.50
	The Chicago, Burlington and Quincy R. R. Co.	do	9.95
	Southern California Rwy. Co.	do	5.00
12	Elmer H. Catlin & Co	Relacquering microscope tubes	1.80
13	C. Becker	Lap robe	8.45
15	Blue Line Transfer Co	Transportation	4.02
	E. M. Tilden	Ink	2.40
	R. Carter Ballantyne	Pens, etc.	15.50
16	Southern Rwy. Co.	Passenger transportation	15.20
19	Henry P. Armsby	Office expenses	102.60

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
Sept. 19	The Wabash Rwy. Co	Passenger transportation	\$40.50
	Southern Pacific Co	do	5.80
	do	do	17.60
	Baltimore and Ohio R. R. Co	Transportation	10.00
	The Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	Passenger transportation	16.00
	The Missouri Pacific Rwy. Co	do	8.50
	Harry C. Overstreet	Drayage	.60
	do	do	.09
20	Chicago and Northwestern Rwy. Co.	Transportation	3.23
	do	do	2.36
	Pennsylvania Co	do	.48
	Chicago, Rock Island and Pacific Rwy. Co.	do	.25
	Chicago, Indianapolis and Louisville Rwy. Co.	do	.37
	New York, Chicago and St. Louis R. R. Co.	do	.77
	Vandalia Line	do	.87
	Burlington and Missouri River R. R. in Nebraska.	do	1.05
	St. Louis and San Francisco R. R. Co.	do	.42
	Star Union Line	do	.53
	do	do	.53
	do	do	.70
	do	do	6.03
23	Chicago, Rock Island and Pacific Rwy. Co.	do	2.00
	do	do	3.05
	Vandalia Line	do	11.97
	Lake Shore and Michigan Southern Rwy. Co.	do	2.25
	Michigan Central R. R. Co	do	.37
	Chicago and Northwestern Rwy. Co.	do	5.81
	do	do	1.02
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	3.19
	Star Union Line	do	6.76
	do	do	.62
	Missouri Pacific Rwy. Co	do	1.61
	Harry C. Overstreet	do	.26
25	Rand, McNally & Co.	Map	3.25
	E. A. de Schweinitz	Traveling expenses	239.58
Oct. 5	United States Express Co	Transportation	7.60
	do	do	6.70
6	E. J. Brooks & Co.	Disks	31.85
17	Geo. E. Howard & Co.	Vaccine envelopes	16.00
18	Adams Express Co	Transportation	19.15
	do	do	17.90
21	The White, Corbin & Co.	Envelopes	78.91
Nov. 6	Nashville, Chattanooga and St. Louis Rwy. Co.	Passenger transportation	4.50
	Burlington and Missouri River R. R. in Nebraska.	Transportation	9.95
	New York, Chicago and St. Louis R. R. Co.	do	.77
	Baltimore and Ohio R. R. Co.	do	1.48
	Hannibal and St. Joseph R. R. Co.	do	11.32
	Star Union Line	do	7.69
	Chicago, Rock Island and Pacific Rwy. Co.	do	.87
	Chicago, Indianapolis and Louisville Rwy. Co.	do	5.00
	Star Union Line	do	5.24
	do	do	.91
	Chicago and Northwestern Rwy. Co.	do	23.53
	do	do	.75
	Burlington and Missouri River R. R. in Nebraska.	do	12.01
	do	do	6.46
	Chicago, Rock Island and Pacific Rwy. Co.	do	3.31
	Total		52,802.37

RECAPITULATION.

First quarter	\$134,411.27
Second quarter	215,412.91
Third quarter	225,038.75
Fourth quarter	214,890.69
Supplemental	52,802.37
Total	842,555.99

122 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—RENT OF BUILDING.

Date.	Name.	Nature of payment.	Total.
1898.			
Aug. 6	J. Harrison Johnson.....	Rent of building.....	\$100.00
Sept. 10	do.....	do.....	100.00
	Total first quarter.....		200.00
Oct. 28	J. Harrison Johnson.....	Rent of building.....	100.00
Nov. 3	do.....	do.....	100.00
Dec. 8	do.....	do.....	100.00
	Total second quarter.....		300.00
1899.			
Jan. 10	J. Harrison Johnson.....	Rent of building.....	100.00
Feb. 6	do.....	do.....	100.00
Mar. 11	do.....	do.....	100.00
	Total third quarter.....		300.00
Apr. 19	J. Harrison Johnson.....	Rent of building.....	100.00
May 26	do.....	do.....	100.00
June 17	do.....	do.....	100.00
	Total fourth quarter.....		300.00
	<i>Supplemental.</i>		
July 14	J. Harrison Johnson.....	Rent of building.....	100.00

RECAPITULATION.

First quarter.....	\$200.00
Second quarter.....	300.00
Third quarter.....	300.00
Fourth quarter.....	300.00
Supplemental.....	100.00
Total.....	1,200.00

BUREAU OF ANIMAL INDUSTRY.

[Special appropriation made available March 22, 1898.]

Date.	Name.	Nature of payment.	Total.
1898.			
Apr. 18	H. T. Burrows.....	Leveling tract of land at experiment station.	\$353.43
May 5	Rudolph, West & Co.....	Supplies.....	5.70
6	W. C. Gessford et al.....	Salaries.....	71.25
9	L. R. Baker et al.....	do.....	895.29
	L. K. Green et al.....	do.....	1,485.10
10	Lowell Clarke et al.....	do.....	1,305.06
	S. Stewart et al.....	do.....	2,543.28
	S. E. Bennett et al.....	do.....	3,365.81
11	E. Balzer et al.....	do.....	5,260.66
12	B. S. Paddock et al.....	do.....	381.50
13	S. R. Burch.....	Traveling expenses.....	74.65
	W. D. Robbins et al.....	Salaries.....	136.48
	T. W. Oshel et al.....	do.....	173.10
	Chas. Keane et al.....	do.....	194.02
	E. N. Hutchinson et al.....	do.....	209.87
	W. H. Gibbs et al.....	do.....	229.90
	H. N. Waller et al.....	do.....	329.60
	O. B. Hess et al.....	do.....	382.40
	Geo. S. Baker et al.....	do.....	685.79
	W. A. Heck et al.....	do.....	750.67
	Don C. Ayer et al.....	do.....	2,854.44
	H. B. Davidson et al.....	Rent of land.....	50.00
14	W. H. Wray.....	Traveling expenses.....	10.80
	J. F. Ryder.....	do.....	45.00
	Gerta M. Colby.....	Services.....	49.50
	F. M. Hunter.....	do.....	82.40
	J. F. Ryder.....	do.....	164.80
	W. H. Wray.....	do.....	375.00
	Ira K. Atherton et al.....	Salaries.....	196.17

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
May 14	C. H. Zink et al	Salaries	\$351.00
	Albert Dean et al	do	395.60
	Wm. Thompson et al	do	1,099.50
	Albert E. Behnke et al	do	1,579.00
	J. J. Brougham et al	do	1,614.96
16	Geo. C. Faville et al	do	331.30
	N. P. Hinkley et al	do	807.50
	Frank L. De Wolf et al	do	839.80
	Jno. Forbes et al	do	1,068.34
	Thos. Castor et al	do	1,136.98
	S. L. Brooking et al	do	1,253.34
	T. J. Turner et al	do	1,303.76
17	Joshua Miller et al	do	640.01
	Jno. R. Mohler et al	do	1,497.69
	W. C. Gessford et al	do	176.25
	T. R. Riley	Lumber	654.92
	J. B. Lambie	Shovels	1.50
20	E. B. Woodward	Butter	221.57
	Whitall, Tatum & Co	Jars	63.22
	The Kny Scheerer Co	Syringes, etc	7.75
21	The J. F. W. Dorman Co	Copper stencils	9.40
24	Schwarzschild & Sulzberger Co	Freight	34.04
27	Boardman Bros	Eggs	93.60
	De Witt Goodrich	Butter	201.33
June 4	J. A. Moxley et al	Salaries	241.25
6	Thos. V. Cole	Services	2.50
7	Thos. A. Bray	do	102.20
	Geo. C. Moser	do	102.20
	W. E. Hill	do	102.20
	R. P. Steddum	do	102.20
	Frank C. Eells	do	102.20
	W. N. D. Bird	do	71.70
	Thos. L. Rice	do	39.56
	S. J. Murray	do	23.08
8	Ira K. Atherton et al	Salaries	404.95
	W. S. Cass et al	do	629.58
	Geo. C. Faville et al	do	342.40
	A. J. Payne et al	do	316.80
	Geo. Ditewig et al	do	245.51
	W. H. Gibbs et al	do	240.20
	Fredk. Braginton et al	do	180.60
	T. W. Oshel et al	do	176.38
	Jno. C. Parker	Typewriter desk	30.80
	Chas. Cowie	Services	20.00
9	Geo. A. Shehan	Lumber	1,518.66
10	A. B. Morse	Services	119.20
	Jas. Irwin	do	85.20
	Moses W. Games	do	35.50
14	E. C. Schroeder	Office expenses	1.00
	S. S. Daish & Son	Oats	182.50
16	R. A. Pearson	Traveling expenses	12.77
18	J. A. Moxley et al	Salaries	255.00
20	De Witt Goodrich	Butter	202.53
	E. A. de Schweinitz	Office expenses	27.00
	W. A. Scherer	Services	17.50
21	Creamery Package Manufacturing Co	Boxes for butter	74.71
	Morrison & Manville Egg Crate Co	Egg crates	9.00
	White Star Line	Transportation	44.27
	Schwarzschild & Sulzberger Co	do	29.64
	Z. D. Gilman	Supplies	12.20
	Geo. A. Shehan	Lumber	170.00
24	A. Jensen	Butter	211.64
	Pennsylvania R. R. Co	Transportation	9.10
25	E. B. Woodward	Butter	220.10
	The J. F. W. Dorman Co	Stencil plates	2.75
	Union Creamery Co	Butter	393.96
	Iowa Agricultural College	do	419.05
27	Jno. L. Furr	Services	30.00
29	J. A. Moxley et al	Salaries	180.00
	Total in quarter		45,843.12
July 1	Iowa Agricultural College	Butter	576.39
	De Witt Goodrich	do	201.34
	Auge Jensen	do	218.56
	E. B. Woodward	do	235.73
	Hovey, Clarke & Co	do	100.96
2	J. G. Turnbull	do	228.19
	Lutz & Co	Horse brushes, etc	65.00
	David Pifferling	Cattle	250.00

124 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

BUREAU OF ANIMAL INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
July 2	Mackall Bros. & Flemer	Supplies	\$46.07
5	W. H. Rose et al	Salaries	955.80
	H. A. Hedrick et al	do	468.00
7	Schwarzschild & Sulzberger Co	Butter	41.62
8	C. A. Schaufler et al	Salaries	811.51
	Julius Huelsen et al	do	608.10
	A. G. G. Richardson et al	do	765.78
	W. M. Balmer et al	do	781.55
	L. R. Baker et al	do	911.30
9	A. E. Behnke et al	do	1,530.05
	A. McBride et al	do	489.50
	E. P. Schaffter et al	do	773.20
	S. L. Brooking et al	do	1,318.50
11	N. P. Hinkley et al	do	802.61
	Jno. Forbes et al	do	1,653.22
	Morris Wooden et al	do	1,805.69
12	J. J. Brougham et al	do	1,692.73
13	A. Wilson & Bro	Clover	409.30
14	E. A. de Schweinitz	Traveling expenses	38.00
15	C. O. Goodpasture	do	25.70
19	R. O. Kleberg	Donkeys	320.00
20	E. Becker	Halters and harness	149.85
23	H. E. Alvord	Traveling expenses	159.62
	Chas. Willms Surgical Institute Co	Supplies	7.50
	Creamery Package Manufacturing Co	do	13.67
25	J. Wickenhoefer	Cloth	5.40
26	Merchants' Refrigerating Co.	Butter	40.00
27	Pennsylvania R. R. Co	Freight	27.09
Aug. 2	Geo. A. Bond	Traveling expenses	29.00
16	Pennsylvania R. R. Co	Freight	47.01
	Total in quarter		18,603.54
1899.			
June 9	A. J. Payne et al	Salaries	696.80
	L. R. Baker et al	do	942.40
	S. E. Bennett et al	do	4,674.98
	C. A. Schaufler et al	do	783.50
	A. G. G. Richardson et al	do	795.80
	Ulysses G. Houck et al	do	1,650.16
	Wm. M. Balmer et al	do	889.20
	Total in quarter		10,432.84

RECAPITULATION.

Total in fiscal year of 1898	\$64,446.66
Total in fiscal year of 1899	10,432.84
Total	74,879.50

ACCOUNTS OF BOND-AIDED AND LAND-GRANT RAILROADS SETTLED BY THE TREASURY DEPARTMENT AND CHARGED TO THE AGRICULTURAL APPROPRIATION.

Date.	Name.	Nature of payment.	Total.
1898.			
July	Southern Pacific Co.	Passenger transportation	\$45.35
	do	do	5.00
	do	do	36.55
	do	do	33.00
Sept	Sioux City and Pacific R. R. Co	do	3.15
Aug	Southern Pacific Co.	Passenger transportation	19.70
	do	do	14.10
Sept	do	do	3.15
	do	do	14.90
Oct	do	do	34.35
	do	do	16.90
Nov	do	do	31.45
	do	do	.88
Aug	Union Pacific R. R. Co	do	9.14
Nov	do	do	2.53
Sept	do	do	32.20
	Southern Pacific Co.	do	20.90
1899.			
Feb	do	do	17.80
Jan	do	do	14.10

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

ACCOUNTS OF BOND-AIDED AND LAND-GRANT RAILROADS, ETC.—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct.	Southern Pacific Co.	Passenger transportation	\$12.43
1899.			
.....do .....	.....do .....	.....do	16.90
Apr. ....	.....do .....	.....do	14.10
May	Union Pacific R. R. Co. ....	.....do .....	.64
Jan. ....	.....do .....	.....do .....	.50
1898.			
Dec. ....	.....do .....	.....do	2.60
.....do .....	.....do .....	.....do	2.67
1899.			
Jan. ....	.....do .....	.....do .....	.86
	Louisville and Nashville R. R. ....	.....do .....	.75
	Southern Pacific Co. ....	.....do	10.00
Mar. ....	.....do .....	.....do	5.00
Oct.	Union Pacific R. R. Co.	Transportation	1.63
	Southern Pacific R. R. Co. ....	.....do	1.22
Nov.	Union Pacific R. R. Co. ....	.....do	3.08
	.....do .....	.....do	1.83
	Total		429.36

WEATHER BUREAU—SALARIES, TEMPORARY.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	Lucy Payne et al.	Salaries	\$68.20
Aug. 31	.....do .....	.....do	68.20
Sept. 30	.....do .....	.....do	66.10
	Total first quarter		202.50
Oct. 31	Lucy Payne et al.	Salaries	68.20
Nov. 30	.....do .....	.....do	66.10
Dec. 31	.....do .....	.....do	68.20
	Total second quarter		202.50
1899.			
Jan. 31	Lucy Payne et al.	Salaries	69.75
Feb. 28	.....do .....	.....do	18.00
Mar. 31	.....do .....	.....do	91.03
	Total third quarter		178.78
Apr. 29	Lucy Payne	Salaries	94.30
May 31	Orris W. Roberts	Services	61.40
June 30	.....do .....	.....do	59.30
	Total fourth quarter		215.00

RECAPITULATION.

First quarter	\$202.50
Second quarter	202.50
Third quarter	178.78
Fourth quarter	215.00
Total	798.78

WEATHER BUREAU—FUEL, LIGHTS, AND REPAIRS.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	Joshua Carey et al.	Salaries	\$368.70
Aug. 10	Geo. F. Bowman	Removing rubbish	8.85
19	Washington Gas Light Co.	Gas	15.70
	Geo. F. McAvoy	Extending gas pipe	10.50
27	Seth Schell	Repairs to Weather Bureau	216.00
31	Joshua Carey et al.	Salaries	368.70
Sept. 2	Wm. J. Zeh	Coal	97.60
7	Geo. F. Bowman	Hauling rubbish	4.50

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—FUEL, LIGHTS, AND REPAIRS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 17	Jas. B. Lambie	Door lock	\$0.75
	M. O'Callaghan	Repairs to roof	12.00
	John Moran	do	12.75
30	Joshua Carey et al	Salaries	357.60
	Total first quarter		1,473.65
Oct. 1	Washington Gas Light Co	Gas	15.80
	Thos. Somerville & Sons	Supplies for heating apparatus	15.27
	W. H. Butler	Pane of glass	1.76
4	Estate of Mary A. Schneider	Repairing speaking tube	5.00
14	Geo. F. Bowman	Hauling rubbish	4.50
24	Washington Gas Light Co	Gas	23.20
31	Joshua Carey et al	Salaries	368.70
Nov. 2	Justan's Fire Alarm Co	Rental alarm box	12.50
7	Geo. F. Bowman	Hauling rubbish	11.70
9	India Alkali Works	Supplies	6.00
	Frank Boyden	Cleaning flues, etc.	6.50
10	Barber & Ross	Lawn mowers	9.00
	Smith Pettit	Linings for furnace	8.00
	Thos. P. Baldwin	Repairing and materials	9.50
17	F. A. Tschiffely, jr.	Supplies	10.08
	M. Du Perow	Supplies and services	116.00
	Thos. Somerville & Sons	Supplies	1.75
	Washington Gas Light Co	Gas	28.10
	Chas. Becker	Supplies	5.14
30	W. H. Butler	do .....	.45
	John Moran	Supplies and services	40.75
	W. H. Butler	Glass	2.84
Dec. 2	Joshua Carey et al	Salaries	350.99
	Geo. F. Bowman	Services	5.00
16	Jas. E. Lambie	Iron	4.30
	Geo. F. Muth & Co.	Supplies	14.50
	Chas. Werner	Fuel	3.85
	Wm. J. Zeh	do	103.13
	do	do	103.31
	W. H. Butler	Supplies	1.38
	do	do	5.48
20	Geo. F. Bowman	Hauling	7.40
22	Washington Gas Light Co	Gas	25.90
31	Joshua Carey et al	Salaries	376.54
	Total second quarter		1,704.32
1899.			
Jan. 3	Jas. O'Hagan	Gas pipe, etc.	5.00
5	Church & Stephenson	Lumber	96.00
7	Jno. Moran	Repairs to sewer	65.80
	J. T. Walker Sons	Wall finish	9.50
14	W. H. Butler	Glass	1.50
	M. O'Callaghan	Repairs to Weather Bureau	5.00
	Wm. J. Zeh	Coal	1.25
	do	do	103.65
	Standard Oil Co	Oil	6.12
23	Barber & Ross	Doors	4.40
24	Washington Gas Light Co	Gas	29.80
	Wm. H. Baum	Coal	8.50
	Instantaneous Fire Alarm Co	Fire-alarm boxes	12.50
26	B. Currin	Manure	9.00
31	Joshua Carey et al	Salaries	400.83
Feb. 2	Geo. F. Bowman	Removing rubbish	12.60
7	C. A. Woolsey Paint and Color Co	Wood filler .....	.43
18	Washington Gas Light Co	Gas	34.00
	C. A. Muddiman & Co	Lamp chimneys	1.14
	Geo. R. Torrey	Lubricator	25.00
	Thos. Somerville & Sons	Elbows, etc	1.73
	Wm. J. Zeh	Coal	103.28
	Hugh Reilly	Supplies for repairs to Weather Bureau	1.20
	Melville Lindsay	Hose	24.50
	Rudolph, West & Co	Night latch, lock, etc	14.71
	Geo. F. Muth & Co.	Oil	1.60
24	C. A. Muddiman & Co.	Drop light	2.75
	do	Drop light, etc.	4.75
	Thos. Somerville & Sons	Material for repairs to Weather Bureau	65.25
	Jno. Moran	Trap cover	3.50
	do	Moving radiator	12.00
	do	Repairing heating apparatus	10.15
	W. H. Butler	Supplies	1.11

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—FUEL, LIGHTS, AND REPAIRS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 24	Z. D. Gilman	Shellac	\$2.00
	Chas. Becker	Hard-oil finish	6.55
	do	White lead	2.57
	J. E. Turton	Plastering	30.00
	do	do	22.00
	Geo. F. Muth & Co.	Asphaltum	2.00
28	Joshua Carey et al	Salaries	382.80
Mar. 2	Geo. F. Bowman	Hauling rubbish	4.00
3	Barber & Ross.	Sash	4.00
16	Chas. Werner	Coal	3.94
	W. H. Butler	Glass	1.50
18	Royce & Marean	Supplies	15.49
	Hugh Reilly	Ground glass	2.00
	Francis Miller	Drop black	3.25
	M. O'Callaghan	Repairing roof	15.00
	Washington Gas Light Co	Gas	33.00
	Wm. H. Baum	Coal	12.75
23	Geo. F. Bowman	Hauling rubbish	11.15
	W. J. Zeh	Coal	104.39
31	Joshua Carey et al	Salaries	419.85
	Total third quarter		2,156.79
Apr. 13	Wm. J. Zeh	Coal	103.95
	do	do	104.88
	M. O'Callaghan	Repairing roof at Weather Bureau.	5.00
	Francis Miller	Oil	4.50
	do	Cherry stain	3.20
20	Washington Gas Light Co	Gas	34.30
21	Instantaneous Fire Alarm Co	Fire-alarm service	12.50
26	Jno. Moran	Repairs to Weather Bureau	1.00
	C. A. Muddiman & Co	Glass globes, etc.	20.50
	Church & Stephenson	Lumber	121.85
29	Joshua Carey et al	Salaries	417.36
May 3	Geo. F. Bowman	Hauling	9.75
16	P. Mann	Clover seed	2.00
	The National Electrical Supply Co	Mica joints	1.20
	Francis Miller	Oil, etc	5.40
18	Geo. F. Muth & Co.	Putty	.75
	Hugh Reilly	Paint, etc	7.56
	M. Du Perow	Sockets	1.92
	M. O. Callaghan	Repairs to building	3.00
	Washington Gas Light Co	Gas	27.00
	Thos. Somerville & Sons	Albany grease, etc	5.77
22	Melville Lindsay	Hose and nozzle	6.25
31	Joshua Carey et al	Salaries	462.60
June 2	Jos. H. Callender	Supplies in repairs to electric light.	9.75
3	Geo. F. Bowman	Hauling rubbish	6.10
8	Wm. J. Zeh	Coal	102.77
	Geo. F. Muth & Co.	Oil	1.20
22	Geo. F. Bowman	Hauling rubbish	7.25
26	Washington Gas Light Co	Gas	23.80
30	Joshua Carey et al	Salaries	451.20
	Total fourth quarter		1,964.31
	<i>Supplemental.</i>		
July 6	B. Currin	Repairing lawn of Weather Bureau.	5.00
11	W. H. Butler	Window pane	1.26
	Wm. H. Baum	Coal	4.25
17	Instantaneous Fire Alarm Co	Fire-alarm service	12.50
	Washington Gas Light Co	Gas	17.30
Aug. 14	Church & Stephenson	Lumber	63.75
16	C. A. Schneider's Sons	Iron railing	419.18
	Total		523.24

RECAPITULATION.

First quarter	\$1,473.65
Second quarter	1,704.32
Third quarter	2,156.79
Fourth quarter	1,964.31
Supplemental	523.24
Total	7,822.31

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—CONTINGENT EXPENSES.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	Capital Traction Co.	Street-car tickets	\$20.00
Aug. 22	W. M. Galt & Co.	Forage	22.50
	Nicolangelo Sampogno	Sharpening mowers	2.00
	Great Falls Ice Co	Ice	27.59
Sept. 1	Pearce & Lawton	Silk curtain	4.50
	Church & Stephenson	Lumber	150.35
	Jno. C. Parker	Paper weights	3.82
7	Eugene M. Tilden	Ink pad	3.60
	Clarendon Smith	Hoof packing	4.50
	Pearce & Lawton	Repairing carriage	2.25
	Jno. R. Galloway	Electric fans	36.00
	Helen B. Turner	Washing towels	9.09
	M. Du Perow	Electric fans, etc	101.70
	M. Silverburg & Co	Molding, etc	1.40
	Easton & Rupp	Baskets, etc	14.40
	E. Morrison Paper Co	Rubber bands	101.90
	Z. D. Gilman	Sulphuric acid	5.32
	The J. C. Ergood Co	Soap	23.85
	Herman Baumgarten	Dating stamps	2.50
	Chas. R. Edmondson	Buckets	3.30
	Rudolph, West & Co	Supplies	59.54
	Rufus P. Clarke	Towels, etc	32.60
	Mackall Bros	Sponges, soap, etc	41.65
	Wm. Ballantyne & Sons	Physical Review	2.50
	Monarch Manufacturing Co	Liquid gum	21.00
	Chadwick Copying Book Co	Letter book	36.36
	Jno. P. Nawrath	Twine	22.75
	E. J. Brooks & Co	Numbering machine	7.20
	United States Express Co	Transportation	13.85
	Woodward & Lothrop	Canton flannel	5.00
13	Jno. C. Parker	Paper, ink, etc	231.96
	W. B. Moses & Sons	Furniture	94.33
17	Estate of M. W. Beveridge	Phosphorus paste	2.40
	Standard Oil Co	Dynamo oil	6.24
	E. J. Pullman	Supplies	6.30
	W. H. Hoeke	Carpet sweeper	3.00
	Lutz & Co	Whip, hoof dressing, etc	6.10
	Wm. Ballantyne & Sons	Atlas	7.50
19	Wyckoff, Seamans & Benedict	Typewriter tables	9.00
	James B. Lambie	Supplies	78.30
	Melville Lindsay	Rubber washers	1.00
	W. M. Galt & Co	Oats, etc	22.40
	Albert Kahlert & Co	Cleaning carpet, etc	3.76
	Helen B. Turner	Washing towels	10.49
20	Washington City Postmaster	Postage	248.00
21	J. H. Thiemeyer	Boxes	15.12
	The White, Corbin Co	Envelopes	21.75
	Total first quarter		1,550.67
Oct. 1	Pearce & Lawton	Repairs to carriage	1.50
	M. Du Perow	Ceiling fans	8.00
	Lutz & Co	Harness and whips	5.00
	Great Falls Ice Co	Ice	32.53
	Church & Stephenson	Lumber	26.45
	W. M. Galt & Co	Forage	22.40
	S. J. Meeks	Repairs to mail wagon and carriage	47.25
	Easton & Rupp	Envelopes	21.15
	Rudolph, West & Co	Screws	23.00
	W. B. Moses & Sons	Furniture	17.00
	The Bailey Manufacturing Co	Supplies	9.00
	The J. F. W. Dorman Co	Ink pads	6.60
	do	Brass stencils	1.50
	Rudolph, West & Co	Supplies	14.65
	do	Scales	27.00
	do	Supplies	1.75
	Jas. B. Lambie	Door check	3.35
	do	Belt lacing, tallow, etc	10.00
	Houghton & Delano	Lantern-slide box	1.00
	Geo. F. Muth & Co	Glue, oil, etc	8.48
	Smith Premier Typewriter Co	Typewriter	92.25
	Adams Express	Transportation	5.50
	R. Carter Ballantyne	Wrapping paper, etc	90.19
	Fred A. Schmidt	Picture mats	5.47
	G. E. Stechert	Books	6.00
	do	do	3.85
	do	do	8.50
4	Z. D. Gilman	Ether	16.50
	Jno. C. Parker	Pads, thumbscrews, etc	5.00
	do	Clips	5.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 4	R. L. Saunders	Pasturing horse	\$2.93
5	Rufus P. Clark	Tape	14.50
	United States Express	Transportation	3.95
	N. P. Inlay	Recaning chair	1.00
	Rudolph, West & Co	Nails	19.30
	Adams Express Co	Transportation	19.25
18	Wyckoff, Seamans & Benedict	Repairing typewriter	1.75
	W. B. Moses & Sons	Water cooler	6.60
	G. F. Muth & Co	Glue	9.48
	Melville Lindsay	Gloves	3.25
	Rudolph, West & Co	Nails	3.70
	C. A. Woolsey Paint and Color Co	Kalsomine .....	.70
19	Helen B. Turner	Washing towels	9.40
24	Hall, Headington & Co	Wilton carpet	106.42
	Hale & Garber	Horses	300.00
28	G. B. Van Nest	Transportation	10.00
Nov. 2	W. B. Moses & Sons	Desk, chairs, etc	67.55
	Great Falls Ice Co	Ice	26.50
5	Jno. C. Parker	Fountain pens, etc	11.40
	do	Dictionary stand	4.00
	W. M. Galt & Co	Forage	11.24
	Herman Baumgarten	Dating stamp	2.50
8	F. P. May & Co	Oil stoves	5.40
10	Washington Wood Working Co	Mahogany cases	499.00
	Library Bureau	Catalogue cards	72.00
	do	do	4.35
	Whiteside & Walton	Arnica and horse medicine	1.90
	Geo. E. Stechert	Scientific publications	9.75
	C. S. Braisted	Pencils	5.50
	Niagara Clip Co	Niagara clips	1.50
17	M. G. Copeland & Co	Supplies	8.29
	Geo. F. Muth & Co	Oil	1.20
	Jno. H. Magruder	Supplies	1.00
	R. C. Ballantyne	Pens	1.24
	C. Haldeman	Services and material	3.00
	Great Falls Ice Co	Ice	22.60
	Adams Express Co	Transportation	9.90
	United States Express Co	do	14.21
30	J. R. Buckelew	Repairs to typewriter .....	.58
	Lutz & Co	Repairs to harness	2.25
	W. M. Galt & Co	Supplies	20.70
	Geo. F. Muth & Co	do	5.76
	Whiteside & Walton	do .....	.95
	Jas. B. Lambie	do	3.25
	The J. F. W. Dorman Co	do	6.60
Dec. 9	Burrelle's Press Clipping Bureau	Clippings	37.64
16	Great Falls Ice Co	Supplies	19.05
	W. M. Galt and Co	Forage	22.37
	Jno. C. Parker	Supplies and services	130.00
	The J. F. W. Dorman Co	Stencils .....	.84
	W. G. Duckett	Oil	5.00
	Helen B. Turner	Services	9.92
	C. K. Judson	Supplies	39.50
	M. Du Perow	do	6.12
	do	do	4.56
	M. G. Copeland & Co	Tarpaulin	15.00
	The White, Corbin & Co	Envelopes	65.00
	W. B. Moses & Sons	Supplies	4.50
	Burrelle's Press Clipping Bureau	Clippings	18.10
22	Willard Manufacturing Co	Supplies	7.92
	Adams Express Co	Transportation	18.45
	W. H. Hoeke	Supplies and services	5.17
	Helen B. Turner	Services	8.36
	Total second quarter		2,274.72
1899.			
Jan. 3	F. P. May & Co	Supplies	6.28
	Louis Hartig	Horseshoes	8.70
	United States Express Co	Transportation	8.80
	Louis Hartig	Forge	21.00
	W. M. Galt & Co	Forage	23.12
	Fred A. Schmidt	Picture hooks .....	.90
	Church & Stephenson	Lumber	83.00
4	The Washington Wood Working Co	Molding	8.93
	Mackall Bros	Brushes, etc	49.96
13	Wyckoff, Seamans & Benedict	Repairs to typewriter	4.60
	W. M. Galt & Co	Forage	22.40
	W. B. Moses & Sons	Repairing chair	2.10
	Jno. C. Parker	Paste	3.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 13	Jno. C. Parker	Repairs to typewriter	\$3.75
	United States Express Co	Transportation	12.90
	Jas. B. Lambie	Horse brushes	11.25
	The Andrew J. Joyce Carriage Co	Repairing carriage lamp	6.00
	Rudolph, West & Co	Horseshoe nails	14.97
	Mackall Bros	Borax	.50
18	Postmaster, Washington, D. C	Postage stamps	100.00
20	Albert Kahlert & Co	Relaying carpets, etc	13.88
	do	Cleaning rugs	.28
	W. B. Moses & Sons	Window shades	2.70
	Geo. F. Muth & Co	Pomade	5.76
	Easton & Rupp	Pads	1.65
	Jas. B. Lambie	Supplies for blacksmiths	42.02
28	Lutz & Co	Bridle bit	1.50
	do	Repairs to halter	.50
	Capital Traction Co	Street-car tickets	20.00
	Adams Express Co	Transportation	17.50
	J. Y. Davis's Sons	Carriage robe, cape, etc	10.00
	Great Falls Ice Co	Ice	18.08
	Helen B. Turner	Washing towels	8.81
30	Burrelle's Press Clipping Bureau	Press clippings	42.14
Feb. 1	The White, Corbin & Co	Envelopes	4.50
17,	Helen B. Turner	Washing towels	10.87
	R. Carter Ballantyne	Staple binders	.84
	Library Bureau	Cards	3.90
	Jas. B. Lambie	Currycombs	.60
	do	Supplies	29.89
	do	Horseshoes, etc	23.20
	C. Becker	Horse covers, etc	27.85
	F. P. May & Co	Files for carpenter shop	1.49
	Lutz & Co	Whip	1.00
	do	Repairs to Weather Bureau harness.	5.05
	Hugh Reilly	Brush	1.59
	The Smith Premier Typewriter Co	Typewriter	94.50
	W. B. Moses & Sons	Carpet, etc	42.53
	do	Desk	22.75
	do	do	15.20
	J. Baumgarten & Sons	Stamp	2.25
	Jno. C. Parker	Toilet paper	33.00
	Rudolph, West & Co	Supplies for carpenter shop	12.09
	R. C. M. Burton	Awnings	4.00
	W. M. Galt & Co	Oats	10.85
	Wm. Ballantyne & Sons	Scientific publications	7.05
	Jno. Hansen	Repairing clock	5.00
	W. B. Moses & Sons	Repairing chair	1.25
	Union Typewriter and Supplies Co	Repairing caligraph	6.80
	United States Express Co	Transportation	26.95
	W. B. Moses & Sons	Chair	4.50
	W. M. Galt & Co	Forage	10.50
	do	do	13.80
	Library Bureau	Cards	.80
	Jas. B. Lambie	Shoe calks	7.00
20	The J. F. W. Dorman Co	Rubber stamps	1.95
	do	do	3.62
	The Never Slip Manufacturing Co	Supplies for blacksmith shop	15.02
	Keuffel & Esser Co	Paper	28.55
Mar. 13	Chesapeake and Potomac Telephone Co	Telegraph service	32.50
	do	do	33.75
16	E. M. Tilden	Autograph hand stamp	2.00
	Smithsonian Institution	Transportation of exchanges	73.99
	United States Express Co	do	14.40
	W. M. Galt & Co	Forage	11.20
	J. H. Thieme	Packing boxes	11.20
	The J. F. W. Dorman Co	Rubber stamps	2.33
18	J. Baumgarten & Sons	Stamps	5.20
	Lutz & Co	Repairs to harness	1.50
	do	Whip	2.00
	Wyckoff, Seamans & Benedict	Repairs to typewriter	2.10
	Great Falls Ice Co	Ice	15.45
	do	do	19.31
	Helen B. Turner	Washing towels	8.34
	Jno. C. Parker	Pencils, paper, etc	512.14
	do	Letter press, etc	30.00
	R. Carter Ballantyne	Files	13.75
	do	do	33.13
	W. B. Moses & Sons	Shades	3.75
	do	Repairing chair	1.60
	Total third quarter		1,897.76

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 1	The J. C. Ergood Co	Soap	\$2.50
	Rogers Manifold and Carbon Paper Co	Carbon paper	4.00
	Capital Traction Co	Street-car tickets	20.00
	Mackall Bros	Supplies	1.30
	W. M. Galt & Co	Forage	16.00
	do	do	16.82
	Fred A. Schmidt	Paper	6.60
	The Smith Premier Typewriter Co	Repairing typewriter	7.30
20	Burrell's Press Clipping Bureau	Press clippings	15.94
	Chadwick Copying Book Co	Letter books	50.50
	Library Bureau	Desk	98.00
	do	Walnut case	9.60
	Jas. B. Lambie	Supplies	6.80
	Jno. Hanson	Repairs to clocks	1.75
	M. Silverberg & Co.	Picture frame	5.50
	J. Baumgarten & Co	Dating stamp	2.25
	Great Falls Ice Co	Ice	22.89
	Helen B. Turner	Washing towels	12.90
	Capital Traction Co	Car tickets	20.00
	S. J. Meeks	Repairs to carriage	121.75
21	United States Express Co	Transportation	9.40
26	Adams Express Co	do	14.90
	do	do	23.61
	do	do	7.70
	Lutz & Co	Hoof dressing	1.95
	Clarendon Smith	Hoof packing	4.50
	W. M. Galt & Co.	Forage	15.18
May 16	Fred A. Schmidt	Paper	1.31
	do	Supplies	1.09
	Rudolph, West & Co.	do	3.48
	do	Stepladder	1.45
	E. J. Pullman	Supplies	1.51
	do	do	6.00
	The Chesapeake and Potomac Telephone Co.	Telephone service	.50
	do	do	32.50
	Great Falls Ice Co	Ice	24.29
	Easton & Rupp	Envelopes	8.46
	D. N. Walford	Bicycle foot pump	.75
	W. M. Galt & Co	Forage	11.13
	W. B. Moses & Sons.	Furniture, etc.	53.75
	R. C. Ballantyne	Eyelets	1.08
	E. M. Tilden	Type	2.65
	Rudolph Jose	Repairs to bicycle	3.25
17	Geo. E. Stechert	Publications	79.91
	Helen B. Turner	Washing towels	9.81
18	The J. F. W. Dorman Co	Stamps	1.78
	do	do	1.39
	E. J. Brooks	Ink	1.80
June 8	The Julius Lansburgh Furniture and Carpet Co.	Screen	5.00
	Fred A. Schmidt	Paper	3.45
	C. Becker	Halter and strap	1.85
	Lutz & Co	Horse collar	5.00
	W. M. Galt & Co.	Forage	20.15
	Jno. R. Galloway	Electric fan	18.00
	Woodward & Lothrop	Muslin	6.88
	The Smith Premier Typewriter Co	Repairing typewriter	5.75
	Jas. B. Lambie	Wire cloth, etc	14.83
	Jno. C. Parker	Fountain pen	5.00
16	Jennie T. Thomson	Embossing envelopes	22.50
	The J. F. W. Dorman Co	Rubber stamps	2.13
	Geo. E. Stechert	Publications	4.25
17	The J. F. W. Dorman Co	Rubber stamps	6.23
19	Great Falls Ice Co	Ice	27.56
	Helen B. Turner	Washing towels	12.06
	Wm. Ballantyne & Sons	Engineering Magazine	1.50
	Jas. P. Willett, postmaster	Postage stamps	40.60
26	Jno. C. Parker	Repairing letter press	12.50
	C. Becker	Repairing harness	17.75
	W. H. Hoeke	Window shades	15.04
	Total fourth quarter		994.39
	Supplemental.		
July 11	The Evening Star Newspaper Co	Advertising	7.70
	W. M. Galt & Co.	Forage	15.43
	E. J. Pullman	Supplies	4.50
	A. Becker	Repairing harness	1.50

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
July 11	J. Baumgarten & Sons	Dating stamp	\$2.25
	M. G. Copeland & Co	Awning	16.06
	Adams Express Co	Transportation	7.50
	W. B. Moses & Sons	Desk, etc	21.55
	The Washington Post Co	Advertising	8.50
12	Krag Manufacturing Co	Supplies	17.50
	do	do	8.75
	The J. F. W. Dorman Co	Rubber stamps	3.34
17	W. G. Duckett	Medicines for horses	1.50
	Helen B. Turner	Washing towels	12.84
	Great Falls Ice Co	Ice	39.00
	M. Du Perow	Electric fans	10.50
	Harris & Shafer Co	Carriage clock	6.50
	United States Express Co	Transportation	10.55
Aug. 1	Chesapeake and Potomac Telephone Co	Telephone service	32.50
	Royce & Mearan	Tape	6.60
14	The Smith Premier Typewriter Co	Repairing typewriter	1.75
	M. Du Perow	Supplies	248.12
	Albert Kahlert & Co	Renovating carpets, etc	20.80
	Melville Lindsay	Rubber chair tips	.78
	W. H. Veerhoff	Glass frame	44.50
	United Typewriter and Supplies Co	Type	.50
	W. B. Moses & Sons	Chairs, etc	11.98
	Adams Express Co	Transportation	3.90
17	do	do	10.59
	do	do	2.75
	Smithsonian Institution	Transporting exchanges	93.41
21	The J. F. W. Dorman Co	Rubber stamps	.68
Sept. 2	Burrelle's Press Clipping Bureau	Clippings	84.50
	Fred A. Schmidt	Paper	17.00
	G. W. Knox Express Co	Transportation	.97
	J. Baumgarten & Sons	Autograph stamp	.40
8	United States Express Co	Transportation	3.55
	do	do	8.90
Oct. 5	The J. F. W. Dorman Co	Rubber stamp	.15
Nov. 10	United States Express Co	Transportation	8.60
	Total		797.80

RECAPITULATION.

First quarter	\$1,550.67
Second quarter	2,274.72
Third quarter	1,897.76
Fourth quarter	994.89
Supplemental	797.80
Total	7,515.84

WEATHER BUREAU—GENERAL EXPENSES.

Date.	Name.	Nature of payment.	Total.
1898.			
July 19	J. G. Gardiner	Traveling expenses	\$9.00
	H. W. Richardson	do	18.00
	Wm. B. Stockman	do	16.25
	Edw. A. Brown	do	15.60
20	P. McDonough	do	25.70
	Thos. Crawford	do	34.40
	Chas. F. Talman	do	19.35
21	F. J. Randolph	do	11.85
22	A. B. Wallaber	do	4.25
	Jno. N. Ryker	do	57.00
26	M. Silverberg & Co	Frame	37.85
28	Willis L. Moore	Traveling expenses	12.25
30	J. P. Church et al	Salaries	2,515.43
	W. F. R. Phillips et al	do	236.93
Aug. 5	H. W. Richardson	Services	19.65
12	Louis Dorman	Traveling expenses	10.90
	Morton Brown	do	13.70
	T. J. Considine	do	19.73
	Geo. E. Lawton	do	16.60
	O. L. Fassig	do	.75
13	Paul De Graw	Services	74.40
	C. H. Bushnell	do	46.50

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Aug. 13	Alex. J. Pollock.....	Services.....	\$46.00
	O. C. Burrows.....	do.....	74.40
	G. H. Noyes.....	do.....	74.40
	Arthur Westerdahl.....	do.....	46.50
	Leon J. Guthrie.....	do.....	74.40
	Frank Jermin.....	do.....	74.40
	Geo. L. Crane.....	do.....	46.50
	J. C. Piercy.....	do.....	3.00
17	J. H. Kimball.....	do.....	74.40
	H. S. Kiely.....	do.....	46.50
	R. P. Powell.....	do.....	74.40
	Wm. B. Schlomer.....	do.....	74.40
	Samuel Bacon, jr.....	do.....	43.50
	Bickham Burwell.....	do.....	46.50
	H. W. Glasser.....	do.....	46.50
	Johnson Fisher.....	do.....	46.50
	Roy D. Chapin.....	do.....	46.50
	Chas. A. Hyle.....	do.....	74.40
	L. H. Daingerfield.....	do.....	74.40
18	Norman B. Conger.....	Office expenses.....	8.17
	Geo. E. Lawton.....	Traveling expenses.....	16.00
19	M. Wright.....	Office expenses.....	2.50
	U. G. Pursell.....	do.....	1.00
	F. A. Davis.....	Traveling expenses.....	9.00
	H. C. Merrill.....	do.....	6.70
	Geo. E. Lawton.....	do.....	20.00
	N. B. Conger.....	do.....	14.50
	E. B. Garriott.....	do.....	29.00
20	Chas. Carter.....	Cleaning map.....	.77
	Beverly Hudnell.....	do.....	.77
	W. E. Oliver.....	Traveling expenses.....	13.00
22	H. O. Wilbur.....	Services and expenses.....	75.00
	J. E. Turton.....	Shelter and supports.....	408.00
25	Jas. B. Batey.....	Services.....	46.50
	Wm. S. Belden.....	do.....	74.40
	C. W. Canfield.....	do.....	46.50
	Jno. K. Hooper.....	do.....	74.40
	Jno. Auhenser.....	do.....	46.50
	C. K. Robinson.....	do.....	74.40
	W. S. Palmer.....	Office expenses.....	2.00
	Wayland Bailey.....	do.....	1.00
	E. L. Hurlburt.....	Repairing caligraph.....	1.00
	C. F. Jones.....	Repairing telegraph lines.....	2.50
	Herman Smith.....	do.....	2.50
	E. Kirkpatrick.....	Repairing office chairs.....	2.50
	M. M. Spicer.....	Repainting instrument shelters.....	5.00
	F. D. Day & Co.....	Cleaning meteorograph clock.....	2.00
	Geo. H. Kendrick.....	Running cable, etc.....	10.00
	Washington Libby.....	Services, etc.....	10.00
	Jefferson Terrell.....	Enameling.....	2.00
	N. D. Woods, jr.....	Cleaning river gauge.....	4.00
	J. W. Hicks.....	Sticks for kite.....	1.25
	Simon Nausbaum, postmaster.....	Rental of post-office box.....	1.50
	Amand Stange.....	Wood.....	24.00
	F. T. Balch.....	Oil.....	7.50
	G. M. Lauridsen.....	do.....	7.50
	Ayers & Co.....	Copper tacks.....	1.40
27	E. A. Folsom.....	Repainting instrument shelters.....	3.50
	Charleston City Rwy. Co.....	Street car tickets.....	15.00
	W. P. Fuller & Co.....	Oil.....	4.00
	Burrows Bros.....	Letterpress stand.....	13.50
	E. E. Peterson.....	Wood.....	40.00
	C. L. Dahlberg.....	Typewriter table.....	5.00
	Jas. Fitzsimons & Co.....	Repairs to desk, etc.....	17.50
	E. C. Cliff.....	Services in moving furniture.....	15.00
31	J. K. Lennox.....	Services.....	62.00
	J. P. Church et al.....	Salaries.....	2,584.04
	W. F. R. Phillips et al.....	do.....	322.10
Sept. 1	Jno. C. Parker.....	Letterpress, etc.....	48.00
	J. E. Turton.....	Kite sticks.....	16.50
	J. C. Entwistle.....	Engraving charts.....	10.00
	A. Zappone.....	Traveling expenses.....	20.40
6	Electric Supply and Manufacturing Co.....	Putting in bell.....	4.50
	Edward Pfister.....	Painting supports.....	2.00
	Royce & Marean.....	Tape.....	3.30
	Rudolph, West & Co.....	Brushes, etc.....	22.29
	J. C. Ergood Co.....	Soap.....	39.94
	Fred A. Schmidt.....	Measuring sticks.....	9.20
	Jno. King.....	Leather.....	.75
	Broderick Bros.....	Rags.....	14.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 6	M. O'Leary	Stand	\$2.50
	United States Express Co.	Transportation	19.10
7	A. W. Caine & Co.	Ink, etc.	5.00
	Geo. R. Koester	Printing weekly report	13.50
	Jno. R. Wyss	Services	12.00
	N. H. Andrus	Repairs to caligraph	15.00
	L. Naegele & Sons	Printing weekly bulletin	10.00
	Young Bros.	Relaying carpet	5.00
	Seattle Typewriter Exchange	Repairing typewriter	3.00
	H. G. Hart	Hire horses	3.00
	The Cowell & Hubbard Co.	Cleaning clock	1.50
	Wyckoff, Seamans & Benedict	Repairs to typewriter	2.20
	E. C. Ewer	Repairs to telegraph line	5.00
	The Martin Strelan Co.	Drayage	1.25
	M. Label & Sons	Gasoline and oil .....	.90
	Stafford Drug Co.	Ink	5.40
	L. Graham & Son, Limited	Services and material	3.00
	W. A. Small	do	10.00
	Engels & Grett	Renovating furniture	14.00
	Maurice Joyce Engraving Co.	Supplies	25.50
	R. C. Ballantyne	Paper	941.83
	Z. D. Gilman	Oil of sassafras	2.40
	R. P. Andrews	Paper	27.00
	S. P. Johnson	Ink pads	9.60
	Louis Hartig	Tacks	3.00
10	Pay roll, New York, N. Y.	Substation salaries	55.00
	F. C. Wildes	Travel expenses	11.95
	Henry F. Babcock	Services	62.00
	A. G. Goodloe	do	6.20
	Geo. L. Crane	do	21.00
12	Alex. J. Pollock	do	46.50
	Chas. H. Bushnell	do	46.50
	Henry F. Babcock	do	62.00
	Frank Jermin	do	74.40
	Jno. K. Hooper	do	74.40
	G. H. Noyes	do	74.40
	Leon J. Guthrie	do	74.40
	Henry S. Kiely	do	46.50
	R. D. Chapin	do	46.50
	Saml. Bacon, jr.	do	46.50
	Clarence W. Canfield	do	46.50
	Bickham Berwell	do	46.50
	Jas. B. Batey	do	46.50
	Jno. L. Foote	do	25.50
	J. K. Lennox	do	62.00
	Jno. D. Berry	do	46.50
13	Rhodes, Havery & Jackson	Repairs to instrument stand	4.50
	A. C. Gile	Services and material	7.00
	F. S. Dresser	Repairing telegraph cable	5.00
	Walter O. Luscombe	Hire of steamer, cable repairing	36.00
	Charley Madison	Labor	6.00
	A. M. Maddux & Co.	Painting instrument shelter	8.00
	August Straus	Recasting rollers	5.00
	Pioneer Electric Co.	Installation of electric light	15.00
	Ned Bell	Repairing wind vane	6.00
	T. B. Boland	Plumbing	12.50
	E. L. Hurlburt	Painting instrument shelter	2.00
	Jno. B. Hawley	Services	10.00
	L. H. Clow	Services and material	5.00
	M. Schooler	Repairing barograph clock	3.50
	R. A. Widmer	Painting office signs	3.00
	H. B. Morgan	Repairing meteorograph clock .....	.75
	Jno. C. O'Brien	Repairing instrument shelter	8.00
	M. N. Weber	do	9.00
	Smith & Farwell Co.	Services	4.23
	Little Rock Plumbing Co.	Repairing electrotype furnace	2.00
	Spott & Jefferson	Repairing clock	2.50
	Shobid Hunter	Moving office	60.00
	Fred. Colbert	Service with team	6.00
	E. D. Beattie	Printing monthly report	30.00
	L. Neagele & Son	do	25.00
	Jno. R. Robinson	do	33.00
	National India Rubber Co.	Cable	16.80
	Geo. Meier & Co.	Ink	35.10
	Reading Paper Mills	Paper	408.00
	Austin Smith	do	86.40
	Maddox, Ellison & Co.	Furniture	21.00
	Sargent Transfer Co.	Drayage	3.00
	Chas A. Hyle	Services	60.00
	J. H. Kimball	do	74.40

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898. Sept. 13	Wm. B. Schlomer	Services	\$74.40
	Wm. S. Belden	do	74.40
	Robt. P. Powell	do	74.40
	L. H. Daingerfield	do	74.40
	O. C. Burrows	do	74.40
	John D. Berry	do	46.50
	E. M. Ravenscroft	do	7.25
	I. M. Cline	Traveling expenses	12.75
	do	do	21.07
	Pay roll, New York, N. Y.	Substation salaries	55.00
	Geo. Bergen	Rent of ground	3.00
	Jno. C. Parker	Pencils	46.50
	T. W. & C. B. Sheridan	Clincher connection	2.00
	Chas. Cooper & Co.	Ammonia	5.00
	Hall, Headington & Co.	Mats	1.60
	A. W. Robertson	Wood	90.00
	W. F. & Jno. Barnes Co.	Saw blades	7.80
	Schneider Bros	Kite meteorograph keys	2.25
	The Seth Thomas Clock Co.	Clock springs	1.00
	do	Clock movements	4.25
	T. A. Slattery & Bro.	Block	1.00
	Orson Linn	Mucilage	1.10
	Foster Hardware Co.	Supplies	4.85
	Gether & Drebert	Recasting rollers	7.54
	Ben. H. Doster	Wood, oil, etc	17.90
	W. B. Moses & Sons.	Furniture	370.16
	Rhodes, Haverty & Jackson	Office chairs	8.50
	Ben. H. Doster	Water cooler	9.75
16	Johnson Fisher	Services	46.50
	Paul De Graw	do	74.40
	Jno. Auhenser	do	46.50
	Chas. A. Hyle	do	3.15
	J. W. Smith	Traveling expenses	12.05
	Chas. S. Gorgas	do	3.50
	N. B. Conger	do	15.50
	H. E. Smith	do	7.25
	A. H. Thiessen	do	6.80
	Wayland Bailey	do	1.75
	Sophia A. Beuter	do	28.80
	H. W. Richardson	do	8.75
	J. R. Williams	Office expenses	3.50
	E. H. Emery	do	3.40
	W. W. Neifert	do	2.60
17	Wyckoff, Seamans & Benedict	Cylinder	2.20
	Standard Oil Co.	Benzine	4.42
	United Typewriter and Supplies Co.	Ink pads	6.40
	W. L. King	Wax	2.00
	do	do	2.00
	Geo. F. Muth & Co.	Lanterns, etc	113.52
	Jas. B. Lambie	Halyards, etc	25.44
	F. A. Tschiffely, jr.	Mercury	137.70
	Fred A. Schmidt	Supplies	42.00
	M. Du Perow	Batteries, etc	1,372.00
	Broderick Bros.	Rags, etc	14.00
	E. B. Garriott	Office expenses	8.00
19	I. M. Cline	Traveling expenses	128.45
	E. M. Tilden	Ink pad	15.00
20	W. H. Hammon	Traveling expenses	8.15
	Chas. W. Halsey	do	6.85
	E. A. Beals	do	95.45
	E. H. Emery	Office expenses	12.00
21	J. H. Robinson	Traveling expenses	133.68
	J. E. Turton	Shelters and supports	290.00
	Wm. Yokum	Oil, etc	10.25
	Jas. G. Biddle	Map circling machine	31.50
	Specialty Soap Manufacturing Co.	Soap	2.70
	J. H. Thiemeier	Boxes	404.65
	Campbell Printing Press and Manufacturing Co.	Press	3,500.00
	Knight & Wall Co.	Water cooler	3.00
	E. W. Hathaway	Services	7.50
	Beck & Tunnell	do	4.00
	Detroit Electric Wiring and Repair Co.	Repairs to electric motor	3.00
	J. B. Miner	Wire screening	5.75
	W. H. Marvin	Painting shelter and supports	3.00
23	G. S. Jones	Traveling expenses	3.40
	Elizb. L. Renoe	do	30.62
	S. L. Mosby	do	7.40
	J. W. Smith	do	21.90
	D. P. McCallum	Office expenses	4.50

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 23	A. Ashenberger.....	Traveling expenses.....	\$20.50
	J. P. Slaughter.....	Office expenses.....	4.40
	J. H. Robinson.....	Services on bulletins.....	35.00
	Arthur Huntington.....	Repairing instrument shelters.....	5.00
	G. W. Waring.....	do.....	7.00
	Western Union Telegraph Co.....	Constructing loop.....	113.25
	J. C. Field.....	Repairing instrument shelter.....	15.00
	Edwd. Brady & Son.....	Shelving.....	19.00
	A. E. Newell.....	Erection of shelter, etc.....	7.00
	S. A. Barnes & Co.....	Drayage, etc.....	8.00
	Felix M. Rogers & Co.....	Repairing office rooms.....	110.00
	Richardson & Campbell.....	Services, etc.....	55.00
	Frank Pryor.....	Repairing furniture.....	6.25
	H. G. Hart.....	Repairing telegraph line.....	7.25
	American Type Founders Co.....	Removing printing equipment.....	25.00
	C. M. Flink.....	Repairing telegraph line.....	3.50
	Bendernagel & Co.....	Recasting rollers.....	1.50
	E. D. Beattie.....	Printing monthly reports.....	30.00
	C. M. Sheets.....	Services and material.....	3.55
	H. A. Brock.....	Repairing telegraph lines.....	5.00
	J. W. Thompson.....	do.....	1.25
	Alpheus Drinkwater.....	do.....	2.50
	Geo. Meier & Co.....	Ink.....	91.12
	J. P. Cook.....	Rubber stamps.....	5.90
	M. A. Adsitt.....	Repairs to typewriter.....	5.00
	Frank Voll.....	Repairs to river gauge.....	2.00
	G. D. Greely.....	Repairs to typewriter.....	19.75
	E. S. Hughes & Co.....	Material for desk covers.....	1.50
	R. Kirchner.....	Erecting storage closets.....	10.00
	Washburn & Moen Manufacturing Co.....	Wire, etc.....	180.98
	Chas. E. Johnson & Co.....	Ink.....	750.00
23	Okonite Co., Limited.....	Cable.....	50.00
	D. Stormont.....	Coal.....	85.00
	Hall, Headington & Co.....	Linoleum.....	21.60
	Mettee & Co.....	Window shades.....	6.25
	Jos. Swift and Wm. H. Swift.....	Office rent.....	50.00
	Pacific States Type Foundry.....	Rule.....	4.40
	Lindsay & Morgan.....	Carpet sweeper.....	5.00
	Geo. Bergen.....	Use of ground.....	3.00
	Holyoke Envelope Co.....	Envelopes.....	11.55
	Binghamton Oil Refining Co.....	Machine oil.....	4.50
	Monarch Manufacturing Co.....	Liquid gum.....	189.00
	Jno. P. Nawrath.....	Supplies.....	36.75
	J. H. Bunnell & Co.....	do.....	88.60
	Payne & Jackson.....	Gasoline, etc.....	3.25
	Jno. F. McLean & Co.....	Oil, etc.....	7.50
	American Type Founders Co.....	Supplies.....	1.50
	W. & L. E. Gurley.....	Spirit levels.....	60.00
	Geo. Meier & Co.....	Supplies.....	37.70
	Schneider Bros.....	Anemometer cups.....	50.00
	Eimer & Amend.....	Rubber stoppers.....	5.20
	Levy & Dreyfus Co.....	Smoked glass spectacles.....	2.25
	Julian P. Friez.....	Supplies.....	35.75
	Geo. W. McClellan.....	Ink.....	4.75
	Chamberlain & Taylor.....	do.....	3.00
	E. A. Mattix.....	Gum.....	3.50
	Griffin & Reed.....	Ink.....	2.25
	Ross, Higgins & Co.....	Oil, etc.....	9.10
24	Adams Express Co.....	Transportation.....	126.45
	Geo. E. Lawton.....	Traveling expenses.....	2.25
	Hoke Engraving Plate Co.....	Recoating plates.....	102.13
	do.....	do.....	66.15
	do.....	do.....	78.00
	Hall, Headington & Co.....	Carpet.....	390.66
	Chadwick Copying Book Co.....	Supplies.....	82.25
	W. J. Heidt.....	River gauge.....	80.00
	Reading Paper Mills.....	Wrapping paper.....	112.50
30	Jesse B. Marsden.....	Painting office rooms.....	25.00
	Johnson Fisher.....	Services.....	45.00
	Henry F. Babcock.....	do.....	60.00
	Wm. B. Schlomer.....	do.....	72.00
	Saml. Bacon, jr.....	do.....	45.00
	Wm. S. Belden.....	do.....	72.00
	J. H. Kimball.....	do.....	72.00
	Henry S. Kiely.....	do.....	45.00
	Frank Jermin.....	do.....	72.00
	Jno. L. Foote.....	do.....	45.00
	L. J. Guthrie.....	do.....	72.00
	Jno. D. Berry.....	do.....	45.00
	R. P. Powell.....	do.....	72.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898. Sept. 30	Bickham Burwell	Services	\$45.00
	Roy D. Chapin	do	45.00
	Jas. B. Batey	do	45.00
	L. H. Daingerfield	do	72.00
	A. H. Gilman	do	4.50
	M. McNamara	Services, Aug. 4 to Sept. 16	66.00
	O. C. Burrows	Services	72.00
	Alex. J. Pollock	do	45.00
	M. McNamara	Services, Sept. 17 to 31	21.00
	G. H. Noyes	Services	72.00
	Chas. H. Bushnell	do	45.00
	C. W. Canfield	do	45.00
	Jno. K. Hooper	do	72.00
	J. K. Lennox	do	60.00
	C. K. Robinson	do	72.00
	do	do	74.40
	Alex. G. McAdie	do	48.85
	Jno. P. Church et al.	Salaries	2,489.81
	W. F. R. Phillips et al.	do	281.80
		Total first quarter		27,362.11
Oct. 1	R. C. Ballantyne	Envelopes	27.75
	Fred A. Schmidt	Measuring sticks	46.00
	Smith Premier Typewriter Co.	Typewriter	99.00
	Royce & Marean	Electric motor	1.50
	Woodward & Lothrop	Muslin	6.41
	W. C. Newton & Co.	Printing ink	154.88
	do	Supplies	23.34
	do	do	20.28
	J. R. Buckelew	Typewriter, etc.	195.75
	R. P. Andrews & Co.	Paper	1.40
	R. P. Clarke	Towels, linen, etc.	185.15
	J. B. Lambie	Waste cotton, etc.	78.60
	Rudolph West & Co.	Halyards, etc.	34.91
	W. B. Moses & Sons	Furniture	195.28
	Jno. C. Parker	Supplies	101.68
	J. R. Buckelew	Typewriter	92.25
	F. P. May & Co.	Files	5.75
	The Maurice Joyce Engraving Co.	Logotype	31.80
	Easton & Rupp	Carbon paper	60.00
	United States Express Co.	Transportation	42.45
	Adams Express Co.	do	51.85
	H. C. Frankenfield	Office expenses	3.00
	Willis L. Moore	Traveling expenses	9.25
	H. C. Frankenfield	do	14.00
	W. C. Newton & Co.	Services	41.40
	Union Typewriter and Supplies Co.	Repairs to caligraph	12.70
	J. C. Entwistle	Engraving for printing office	5.00
	A. B. Wollaber	Traveling expenses	35.25
	F. P. Holt	do	67.70
	H. T. Johnson	do	8.15
	Geo. B. Wurtz	Office expenses	1.50
	Geo. E. Franklin	do	1.00
	Jas. J. Gray	do	4.25
	B. M. Jacobs	Office rent	15.00
	Fred Arnold	do	75.00
	Pearl J. Hart	do	15.00
	E. J. Davenport	do	75.00
	Ella W. Daniels	do	75.00
	Isaac Blocke	do	77.50
	Guaranty Building Co.	do	126.19
	A. C. Radcliffe	do	75.00
	A. E. Huntington	do	84.87
	Jos. A. Smith	do	90.00
	O. I. Mairs	do	67.50
	The Indianapolis Gas Co.	do	250.00
	Tyree & Wilkins, agents	do	67.50
	T. B. Catron	do	105.00
	Maggie French	do	74.20
	The Pacific Club	do	67.50
	Asher Marks, administrator	do	77.25
	B. D. Johnson	do	45.00
	Peter Belcher, agent	do	83.66
	C. M. Boucher	do	42.00
	The Farmers' Bank of Fresno	do	115.00
Amelia McLean	Washing towels	3.00	
Indianapolis Light and Power Co.	Electric current	18.00	
J. H. Crawford	Storage of kites	6.00	
Dresskell & Kenny	Paper	83.50	

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 4	Julian P. Friez	Supplies and service	\$2,408.00
	Mackall Bros	Soap, etc.	54.63
	Jas. B. Lambie	Belt lacing	3.50
	Jno. C. Parker	Cardboard, etc.	3,053.37
	do	Paper, pencils, etc.	2,007.67
	do	Letter press	30.00
	M. Du Perow	Supplies	630.50
	Somers Bros	Card holders	16.00
	Norfolk and Washington Steamboat Co. . .	Passenger transportation	3.00
	Pennsylvania R. R. Co	do	11.00
	New York, New Haven and Hartford R. R. Co.	do	2.75
	Pacific Steam Whaling Co.	do	15.00
	Illinois Central R. R. Co.	do	11.18
	The Atchison, Topeka and Santa Fé Rwy. Co.	do	50.00
	Northern Pacific Rwy. Co	do	25.00
	Bryan Printing Co	Printing weekly bulletins	12.00
	Mettee & Co.	Papering room	3.50
	C. C. Randolph	Printing publications	38.50
	Sunset Telephone and Telegraph Co	Telephone service	6.00
6	W. T. Blythe	Office expenses	40.20
	G. N. Wilson	do	.50
	N. B. Conger	Traveling expenses	17.00
	Arthur Westerdahl	Services	45.90
	do	do	46.50
	T. M. Jeffris & Co	Office rent	100.00
	Ed. S. Hughes & Co	do	106.11
8	New London Steamboat Co	Passenger transportation	1.00
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	30.30
	Pennsylvania Co	do	29.50
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do	26.35
	Chicago and Northwestern Rwy. Co.	do	12.30
	Illinois Central R. R. Co.	do	27.40
	Missouri Pacific Rwy. Co	do	10.05
	Michigan Central R. R. Co	do	16.10
	Texas and Pacific Rwy. Co	do	4.85
	Texas and New Orleans R. R. Co	do	10.85
	W. E. Warren Mercantile Co	Office rent	91.90
	R. McLaughlin	do	150.00
	F. M. Brown & Co	do	100.00
	C. M. Beeson	do	97.41
	Bunce & Iams	do	90.00
	R. A. Dodson, executor	do	131.25
	Wm. C. West	Repairing clock	1.50
	Hall, Headington & Co	Carpet	139.34
	Werner Co	Maps	1,705.00
	The Smith Premier Typewriter Co	Repairs to typewriters	1.00
	E. G. Robinson Transfer Co	Dravage	2.00
	J. H. Shaw	Table	8.25
	Peter Gray	Lanterns	307.50
	T. W. Ruede	Paint	1.25
	Guaranty Building Co	Electric current	9.00
	Corpus Christi Electric Co	do	6.00
	Lynchburg Telephone Co	Telephone service	1.00
	Central Union Telephone Co	do	39.00
	The Bell Telephone Co. of Philadelphia . . .	do	30.00
	Northwestern Telephone Exchange	do	9.00
	Empire State Telephone and Telegraph Co	do	15.00
	Pennsylvania Telephone Co	do	21.00
	Missouri and Kansas Telephone Co	do	18.00
	Southwestern Telegraph and Telephone Co	do	9.00
	Island Telephone and Telegraph Co	do	9.00
	Southern Bell Telephone and Telegraph Co	do	3.00
	Bell Telephone Co. of Buffalo	do	12.50
	Santa Fé Electric Telephone Co	do	6.00
	Fred A. Wright	Coal oil	9.80
	Hoke Engraving Plate Co	Supplies	121.59
	Duval & McCloskey	Painting instrument	6.00
	D. L. Bray	Painting instruments	14.00
	Jas. Pool	do	10.00
	Shobid Hunter	Moving Weather Bureau property.	7.00
	J. W. Austin	Services and materials	10.00
	J. H. Bunnell & Co	Copper sleeves	17.85
14	Wm. Ballantyne & Sons	Books	126.75
17	Pay roll, Jacksonville, Fla.	Substation salaries	90.00
	Pay roll, Chicago, Ill	do	1,154.35
	Pay roll, Norfolk, Va	do	105.00
	L. R. Christluf	Services	15.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 17	Ida Schott	Services	\$12.40
	W. A. Johnson	do	30.00
	Chas. W. Ling	Office expenses	2.00
	H. C. Merritt	Traveling expenses	5.20
	Wm. Chandler	Rent of office	84.00
	H. W. Styron	do	38.62
	P. H. Swearingen	do	48.00
	H. H. Taylor, agent	do	322.50
	Isaac Eberly	do	154.00
	Kate F. Cook	do	60.00
	Real Estate and Law Building Co	do	34.25
	A. J. Knight	do	79.44
	E. H. Jamieson	do	120.00
	W. B. Tells	Stands	760.00
	Hugh Reilly	Brushes	15.84
	Smith Premier Typewriter Co	Typewriter	90.00
	Rudolph, West & Co	Zinc	7.56
	Standard Oil Co	Benzine	4.34
	W. B. Moses & Sons	Furniture and rugs	633.04
	Easton & Rupp	Paper, etc	163.55
	Norfolk and Washington Steamboat Co	Passenger transportation	3.00
	E. P. Mertz Co	Petroleum	2.80
	Fred. A. Schmidt	Supplies	252.00
18	E. M. Tilden	Dry pads	25.76
	Pay roll, Chicago, Ill.	Substation salaries	404.80
	E. F. Weihe	Services	18.00
	Kate Reynolds	do	15.00
	Richard Titus	do	12.00
	C. A. Blummer	do	15.00
	Louis Prior	do	9.00
	Anna Boehme	do	15.00
	Katie Collins	do	9.00
	Altie M. Adie	do	19.50
	L. Mirelaz	Office rent	60.00
	Jas. Gussenhoven	do	120.00
	M. E. Conway	do	37.74
	Fannie L. Keating	do	90.00
	Albert Martie	do	165.00
	Bank and Insurance Building Co	do	100.00
	Penn Mutual Life Insurance Co	do	81.25
	Society for Savings in the City of Cleveland, Ohio	do	285.00
	State Trust Co	do	87.50
	National Bank of Commerce	do	92.50
	Northwestern Mutual Life Insurance Co	do	75.00
	B. S. Williams	do	55.00
	D. Horton	do	120.00
	Cone & Kimball Co	do	99.06
	Margr. Parmentier	do	75.00
	Pennsylvania R. R. Co	Passenger transportation	21.00
	Baltimore and Ohio R. R. Co	do	8.00
	Southern New England Telephone Co	Telephone services	31.00
	Ontario Telephone Co	do	7.50
	Chicago Telephone Co	do	31.25
	Cumberland Telephone and Telegraph Co	do	9.00
	P. Killorin	Services and material	12.00
	H. A. Caldwell	do	51.50
	Union Carpet Cleaning Co	Laying carpet	9.25
	Wm. P. Smith	Services and material	14.50
	Danl. Daly	Casting rollers	2.70
	The Friedenwald Co	Printing maps	6.25
	A. Wilson	Cleaning cloths	1.00
	P. C. Shaw	Washing towels	6.00
	The J. F. W. Dorman Co	Rubber type	33.00
	Jeffris & Ambrose	Lamp shades, etc	1.50
	Rand, McNally & Co	Library globe	8.50
	G. Y. Smith & Co	Carpet, etc	99.35
	A. C. McClurg & Co	Dictionary and stand	13.75
	J. C. Barline	Shelving	35.00
	Harve Furniture Co	Office chairs	8.00
	Chas. Cooper & Co	Ammonia	5.00
	J. H. Thiemeyer	Packing boxes	14.00
	L. Hammel & Co	Screen	3.25
19	W. T. Blythe	Office expenses	15.83
	Chas. B. Bright	Traveling expenses	11.50
	Paul De Graw	Services	79.20
	Jno. Auhenser	do	45.00
	Ella Beahan	do	9.00
	F. S. Smith	Printing Weekly Report	19.50
	M. B. Boone	Washing towels	3.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 19	Hullinger & Schmidt	Washing towels	\$3.00
	Jno. R. Robinson	Printing Crop Bulletin	33.00
	J. E. Mayhew	Moving office	10.00
	Geo. T. Arnold	Flag pole, etc.	15.00
	Detroit Electric Wiring and Repair Co.	Repairing electric motor	10.00
	The American Toilet Supply Co.	Towel supply	2.25
	Alaska Commercial Co.	Passenger transportation	37.00
	Lake Shore and Michigan Southern Rwy. Co.	do	27.00
	Denver and Rio Grande R. R. Co.	do	30.15
	Geo. W. Swalley	Oil, benzine, etc	7.10
	Hall, Headington & Co.	Carpets	415.13
	F. D. Miracle	Office rent	105.00
	H. D. & F. H. Irish	do	59.32
	Catherine Wilson	do	140.82
	E. S. Levy	do	150.00
	Paine Bros.	do	73.95
	Colley & Wright	do	78.50
	Jno. L. & Wm. L. McCague	do	125.00
	Union Trust Building Co.	do	137.50
	New York and Pennsylvania Telephone and Telegraph Co.	Telephone service	21.00
	Southern States Telephone Co.	do	7.50
	Delaware and Atlantic Telegraph and Telephone Co.	do	12.00
	East Tennessee Telephone Co.	do	10.00
	Southern Bell Telephone and Telegraph Co do	do	13.50
	Arthur A. Day	Use of team	5.70
	Milwaukee Gas Light Co.	Gas	11.28
	Consolidated Gas Co.	do	12.87
	Raleigh Gas Co.	do	9.60
20	Edgar Harding	Office rent	87.50
	Henry Landes	do	45.00
	Chicago Auditorium Association	do	450.00
	N. B. Conger	Traveling expenses	2.50
	Chas. Davis	Drayage	1.00
	City and Suburban Telephone Association do	Telephone service	25.00
	New York Telephone Co.	do	60.00
	Southern Bell Telephone and Telegraph Co. do	do	7.50
	Central District and Printing Telegraph Co. do	do	34.25
	Virginia Electric Co.	Electric light	4.50
	Consumers' Electric Light and Street R. R. Co.	do	5.00
	B. McEvoy	Rent	6.00
	Southern Bell Telephone and Telegraph Co. do	Telephone service	15.00
	The Brush Electric Co.	Electric current	15.00
	do	do	9.00
	Central Investment Co.	Office rent	163.75
	Southern Bell Telephone and Telegraph Co. do	Telephone service	8.25
	La Crosse Telephone Co.	do	7.50
	Wisconsin Telephone Co.	do	3.75
	Bell Telephone Co. of Missouri	do	16.25
	Southern Bell Telephone and Telegraph Co. do	do	10.00
	do	do	7.50
	W. H. Gussis	Gas	12.80
	Wisconsin Telephone Co.	Telephone service	18.75
	Southern Bell Telephone and Telegraph Co. do	do	7.50
	Duluth Telephone Co.	do	15.00
	P. H. Cheney & Sons	Electric light	5.62
	Kansas Farmer Co.	Printing Crop Bulletin	30.00
	Fort Worth and Denver City Rwy. Co.	Telegraph service	11.20
	M. Feigel & Bro.	Gum arabic	4.00
	Seth Thomas Clock Co.	Clock keys	1.50
	Pacific Telephone and Telegraph Co.	Telephone service	28.50
	Dora Moyen	Washing towels, etc	6.00
	Pacific Transfer Co.	Hauling	7.00
	California Ink Co.	Blue printing ink	1.00
	C. D. Boyle & Co.	Services	18.00
	Smithfield Telephone Co.	Telephone service	5.00
	do	do	5.40
	Central Union Telephone Co.	Telephone service	5.00
	Alabama and Georgia Long Distance Tel- ephone Co.	do	10.80
	do	do	10.00
	Iowa Telephone Co.	do	2.50
	do	do	2.70
	do	do	2.60
	Chicago, Burlington and Northern R. R. Co. do	Telegraph service	3.00
	Eimer & Amend	Clamps	2.00
	Toledo Transfer Co.	Hauling	2.00
	Crews Begge Dry Goods Co.	Services	7.50

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 20	McClellan Paper Co.	Paper	\$1.00
	W. H. Reim & Co	Stove grate	4.00
	Kneochelman & Bill	Repairing furnace	*3.75
	Chesapeake and Potomac Telephone Co	Telephone service	33.75
	Greater New York Toilet Supply Co.	Washing towels	2.25
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	Passenger transportation	15.00
	Buffalo Gas Light Co.	Gas	3.60
	Southern Bell Telephone and Telegraph Co.	Telephone service	15.00
	The Cleveland Telephone Co	do	18.00
	People's Gas Light and Coke Co.	Gas	5.40
	Michigan Telephone Co.	Telephone service	6.00
	J. B. Johnson, Bursar	Electric light	2.00
	D. Stormont	Ice	9.20
	New Orleans Gas Light Co	Gas	26.60
	H. S. Dixon	Services	2.00
	Raleigh Telephone Exchange	Telephone service	10.00
	Sunset Telephone and Telegraph Co	do	6.00
	A. H. Etheridge	Repairing telegraph	1.25
	Jno. Erikson	Service	4.50
	L. H. Clow	do	4.35
	F. H. Knowles	do	3.00
	Jno. D. Berry	do	15.00
21	Cleveland Abbe	Traveling expenses	28.50
	Eagle Iron Works	Erecting iron mast, etc	102.00
	do	Erecting support on roof	24.50
	J. H. Little & Co	Laying carpet	14.25
	Wood & Thoenen	Repairing lantern	.50
	Amarillo Improvement Co	Office rent	50.00
	Salt Lake Board of Trade	do	100.00
	Geo. E. Shaw	do	70.00
	Cumberland Telephone and Telegraph Co.	Telephone services	24.00
	A. Ashenberger	Traveling expenses	30.50
	Harper & Pennington	Towel service	1.05
	American Type Founders Co.	Casting rollers	2.87
	J. W. Byram	Repairing clock	1.00
	P. Connor	Expenses	7.95
	L. M. Dey, jr	Traveling expenses	30.00
	A. C. Gile	Oil	.60
	Louisa Johnson	Cleaning office	9.00
	W. H. H. Smith	Hire, horse and wagon	6.00
	New York and Pennsylvania Telephone and Telegraph Co.	Telephone service	9.50
	Missouri and Kansas Telephone Co	do	9.00
	Saml. M. Blandford	Traveling expenses	7.50
	A. L. Osborn & Co	Shelves and material	7.50
	Wm. Schwarzwaelder & Co	Oak desk	13.50
	Raleigh Electric Co	Electric current	4.50
	Geo. W. Gaskins	Services	6.00
	A. E. Heath	do	5.25
	Pay roll, Buffalo, N. Y.	Substation, salaries	96.00
	Pay roll, New Haven, Conn.	do	48.00
	Zetta Higgins	Services	30.00
	P. Neri Correoso	do	51.75
	Day, Allen & Co	Window shades	6.75
	Western Union Telegraph Co	Repairing telegraph	8.95
	G. H. Angell	Repairing clock	1.50
	A. P. Eagleston	Office rent	65.00
	Luke & Smith	do	75.00
	Merrill, Bliss & Co	do	25.00
	Tacoma Chamber of Commerce	do	60.00
	L. Rogers	Cleaning office	15.00
	Lorenzo Littlefield	Office rent	64.99
	H. Overholzer	do	127.50
	W. H. Renear	Use of team	2.40
	U. B. Dodge	Services and material	7.00
	A. T. Winsor	Printing crop bulletins	35.75
	The State Journal Co	do	32.50
	Jno. Longstaff	do	30.00
	Anna Faris	Washing towels	4.50
	J. F. Beck	do	3.00
	D. C. Cross	do	1.50
24	Lutz & Co	Repairs and material	.75
	Jno. C. Parker	Letter presses, etc	150.00
	Broderick Bros.	White rags	14.00
	P. Laveaga, county treasurer	Office rent	67.00
26	Peter Even	Ice	3.90
	Northwestern Telephone Exchange Co.	Telephone service	18.00
	Columbia Water and Light Co	Electric current	3.50

Expenditures of Department of Agriculture for year ending June 30, 1898—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 26	Citizens' General Electric Co.	Electric current	\$22.50
	Minnesota International Electric Co.	do	15.00
*31.	Jno. K. Hooper	Services	74.40
	L. H. Daingerfield	do	74.40
	J. H. Kimball	do	74.40
	J. K. Lennox	do	62.00
	Johnson Fisher	do	46.50
	Saml. Bacon, jr	do	46.50
	C. W. Canfield	do	46.50
	H. S. Kiely	do	46.50
	Jno. L. Foote	do	46.50
	Roy. D. Chapin	do	46.50
	Jas. B. Batey	do	46.50
	M. McNamara	do	46.50
	Arthur Westerdahl	do	46.50
	Alex. J. Pollock	do	46.50
	L. J. Guthrie	do	2.40
	Jno. P. Church et al	Salaries	2,541.48
	W. F. R. Phillips et al	do	262.10
Nov. 2	Jas. Berry	Traveling expenses	10.00
	Cumberland Electric Light and Power Co.	Electric current	15.00
	C. K. Robinson	Traveling expenses	18.30
	A. T. Burrows	do	23.25
	D. P. McCullum	do	26.35
	W. T. Blythe	do	70.45
	Hector L. Ball	do	36.31
	J. J. Kelliher	do	20.50
	L. G. Schultz	do	29.00
	N. B. Conger	do	24.85
	I. M. Cline	Office expenses	3.95
	Geo. W. Felger	do	1.50
	F. H. Brandenburg	do	.60
	C. F. von Herrmann	do	8.36
	C. F. R. Wappenhaus	do	1.81
	Wm. M. Dudley	do	2.00
	F. H. Clarke	do	1.45
	N. B. Conger	do	2.40
	T. L. Bridges	do	11.80
	W. H. Fallon	do	2.51
	Jas. Evans	Office cleaning	9.00
	Wm. Searle	Services	4.00
	Jas. H. Powe	do	7.00
	P. Minor	Water and ice	13.85
	W. B. Moses & Sons	Tables, desks, etc	132.60
	R. P. Clarke	Green felt	29.80
	M. G. Copeland	Flags	\$96.40
	do	do	42.60
	Wm. E. Wheeler	Printing crop bulletins	32.50
	F. A. Goulter	Repairing telegraph line	3.50
	Lyle H. Pedlar	do	3.50
	A. Drinkwater	do	2.50
	C. C. Randolph	Printing crop bulletins	36.00
	L. Rogers	Horse and cart	30.00
	J. C. Entwistle	Engraving	5.00
	Towel Delivery Co	Towel service	4.50
	Silver State Towel Supply Co	do	2.25
	Nashville Laundry Co	do	1.80
	Knight & Rosenkrans	do	1.50
	Home Telephone Co., Sioux City	Telephone service	6.00
	Iowa Telephone Co	do	6.00
	Hudson River Telephone Co.	do	15.00
	Missouri and Kansas Telephone Co	do	18.00
	R. L. Lewis	do	15.75
	Michigan Telephone Co.	do	6.00
	Sunset Telephone and Telegraph Co.	do	15.00
	J. E. Mattingly	do	6.00
	Cumberland Telephone and Telegraph Co.	do	23.85
	Cario Telephone Co	do	5.00
	Citizens' Cooperative Telephone Association.	do	10.00
	W. Broadwell	Ice	33.92
	Union Ice Co., New York	do	6.00
	Grant Rivenberg	do	2.25
	Merchants and Manufacturers' Electric Light, Heat, and Power Co.	Electric light	5.00
	Thos. W. Pemberton	do	5.10
	Mobile Light and Railroad Co	do	2.00
	Charlestown Electric Light and Power Co	do	1.35
	Atlantic City Gas and Water Co	Gas	3.51
	Nashville Gas Light Co	do	6.97
	Jas. S. Sebree	Rent, kite shelter	18.19

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Nov. 2	Robt. Bonson	Use of grounds	\$9.00
	Thos. Bowles	Storage	6.00
	Issadore Sobel, postmaster	Rent, post-office box .....	.50
	Henry Pitts	Drayage	2.00
3	Rice & Rice	Window shades	8.00
	J. P. Nawrath	Twine	17.00
	Marais Lumber Co	Erecting and wiring lanterns	8.00
	Fred. Bamford & Co	Painting instrument shelter	4.00
	Duluth Van, Express, and Storage Co	Hauling	1.50
	Geo. P. Howard	do	1.25
	Martin Strelan Co	Drayage	2.50
	Wm. Leighton	Flagstaff	25.00
	A. A. Bolles	Drayage	7.50
	Geo. Eergen	Ground rent	3.00
	H. L. Guion	do	7.50
	Galveston Gas Co	Gas	6.75
	Consumers' Ice Co	Ice	3.95
	Central District and Printing Telephone Co	Telephone service	9.00
	Southwestern Telephone and Telegraph Co	do	12.00
	Sunset Telephone and Telegraph Co	do	6.00
	Brush Electric Light and Power Co	Electric current	15.00
4	J. Warren Smith	Expenses	2.16
	do	Traveling expenses	14.55
	R. J. Hyatt	do	9.25
	E. E. Spencer	do	6.00
	Robt. P. Powell	do	5.25
	T. F. Townsend	do	14.05
	Frank Alexander	Services	7.50
	D. D. Booze	do	3.00
	Caleb C. White	Use of horse	2.00
	Friedenwald Co	Cardboard	27.50
	Jno. Gondolfo	Oil, brooms, etc	8.00
	J. W. Gilbert	Wood	9.00
	F. G. Blaisdell	Water	9.00
	F. L. Ewing	Ice	9.20
	Southern Bell Telephone and Telegraph Co	Telephone service	10.00
	Courtland National Bank	Office rent	150.00
	The First National Bank	do	66.31
5	Pay roll, Cleveland, Ohio	Substation, salaries	75.00
	Pay roll, New York, N. Y	do	55.00
	Pay roll, Pensacola, Fla	do	36.00
	Henry F. Babcock	Services	26.00
	H. L. Holden	do	30.00
	L. J. Guthrie	Traveling expenses	2.50
	R. M. Reese	do	31.15
	A. E. Hackett	Expenses	2.11
	Geo. E. Hunt	do	1.25
	E. M. Ravenscroft	do .....	.70
	L. M. Jesunofsky	do	1.25
	L. M. Pindell	do	4.70
	T. S. Outram	do	3.55
	J. H. Smith	do	2.00
	E. H. Nimmo	do	1.50
	J. C. Piercy	do	4.50
	National Bank of Commerce	Office rent	22.88
	Richmond Chamber of Commerce	do	145.00
	South Bell Telephone and Telegraph Co	Telephone service	17.50
	Northwestern Telephone Exchange Co	do	9.00
	Sunset Telephone and Telegraph Co	do	15.00
	R. C. M. Burton	International Code Signal	24.00
	Brentano's	Standard Dictionary	10.75
	A. Gluck	Repairing clock	1.50
	The Clark Paint, Oil and Hardware Co	Painting and material	6.00
	A. Bloedel	Cleaning clock	1.50
	Sargent Transfer Co	Drayage	1.50
	M. F. Hayes	do	1.25
	M. C. Baker & Son	Stencils	1.50
	A. Nelson	Drayage	2.95
	Robt. Little	do	2.75
	Parkersburg Transfer Co	do	2.25
	Union Ice Co	Ice	9.10
	Knickerbocker Ice Co	do	3.95
	Arctic Ice Co	do	6.00
	Laurel Laundry	Washing flag and towels .....	.90
	W. H. Brown	Drayage	1.50
	Edwards & Broughton	Service and material	2.45
	J. E. Turton	Map frames, etc	206.85
	Jno. C. Parker	Copying-press stand	7.50
	do	Cardboard and paper	567.20

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Nov. 5	Jno. C. Parker	Cardboard and paper	\$1,641.00
	do	Bank note paper	24.15
8	Pacific States Type Foundry	Gripper for printing	7.75
	T. Fitzwilliam	Blotter bath, etc	6.05
	Walle & Co	Copy press and stand	14.50
	Friedenwald Co	Duplicating paper, etc	876.30
	G. M. Holobaugh	Matches	1.00
	S. A. D. Keister	Ink and muclage	3.15
	R. P. Sargent	Service and material	3.50
	M. O. Reilly	do	5.75
	Viaduct Manufacturing Co	do	18.00
	Bryan Printing Co	Printing crop bulletins	16.00
	E. D. Beattie	do	36.00
	Geo. C. Upright	Laying carpet	3.50
	E. C. Palmer	Services	7.50
	Simpson Bradley	Laying carpet	1.50
	W. A. Johnson	Services and material	12.00
	Stout & Rogers	do	166.00
	do	do	47.50
	Black Hills Telephone and Telegraph Co	Telephone service	21.00
	Pan Telephone Co	do	1.40
	Ohio Valley Telephone Co	do	18.00
	Henry Bolton	Office rent	52.84
	Geo. S. Waite	do	119.82
	First National Bank	do	126.00
	C. G. Le Clair	Ice	3.00
	Diamond Ice and Storage Co	do	4.50
	American Electric Supply Co	Services and material	7.87
	Grand Haven City Electric Light Co	Electric light	4.50
	Aaron Sargent	Services	12.00
	U. G. Pursell	Expenses	1.00
	D. P. McCallum	do	20.90
	E. H. Emery	do	2.20
	do	do	4.51
	R. M. Hardinge	do	2.75
	Geo. B. Wurtz	do	5.05
	R. L. Anderson	do .....	.75
	F. R. Beahan	do	9.50
	J. B. Marbury	do	5.65
	Jno. K. Hooper	do	3.50
	Alex. G. Burns	do	4.00
	Jas. H. Kimball	do	7.00
	Chas. Davis	Traveling expenses	45.55
	G. Harrold Noyes	do	17.75
	S. L. Mosby	do	9.55
	J. B. Dilloz	do	11.70
	I. M. Cline	do	14.75
	N. R. Taylor	do	8.75
	Henry D. Steuart	do	17.75
	Jno. C. Dabney	do	27.65
	Fant Diggs	do	1.68
9	Pay roll, Augusta, Ga	Substation, salaries	165.60
	Pay roll, Atlanta, Ga	do	177.80
	Pay roll, Cincinnati, Ohio	do	90.00
	Pay roll, Charleston, S. C	do	73.60
	Pay roll, Memphis, Tenn	do	220.80
	Pay roll, Wilmington, N. C	do	128.80
	Pay roll, Shreveport, La	do	42.00
	Pay roll, Vicksburg, Miss	do	73.60
	E. E. Friday	Services	21.00
	Engelke & Bigelow	Drayage	1.00
	Lincoln Traction Co	Electric current	13.50
	C. H. Batchelder	Shades	3.00
	L. Graham & Son, Limited	Red ink .....	.70
	J. E. Johnson	Supplies and services	17.00
	Fulton Transfer Co	Drayage	3.00
	J. J. Parquette	Recasting rollers	2.50
	F. O. Bailey & Co	Re-covering desk	8.23
	Jas. Richardson	Renewing lamps	1.50
	Jno. Briggs	Erecting flagstaff	50.00
	J. W. White	Repairing shelter	10.75
10	Iowa Telephone Co	Telephone service	7.95
	Enterprise Telegraph Co	Telegraph service	5.20
	Alabama, Mississippi and Tennessee Tele- graph Co	do	8.10
	New England Telephone and Telegraph Co	do	2.50
	do	do	5.20
	Philadelphia, Reading and Pottsville Tele- graph Co	do	16.08

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Nov. 10	Jacksonville and St. Johns Bar Telegraph Line.	Telegraph service.	\$14.25
	Corvallis and Eastern R. R. Co.	do	2.50
	do	do	2.60
	Dakota Central Telegraph Line	do	78.58
	Chicago, Burlington and Northern R. R. Co.	do	2.95
	East Tennessee Telephone Co.	Telephone service.	14.60
	Lake Shore and Michigan Southern Rwy. Co.	Passenger transportation	29.98
	S. Nusbaum, postmaster	Rent of post-office box	1.50
	Wm. Schwarzwelder & Co.	Furniture	167.50
	Addressograph Co.	Addressograph ink	2.25
	Henry Lander	Office rent	15.00
	J. R. Buckelew	Typewriter and stand	207.00
	East Tennessee Telephone Co.	Telephone service.	9.00
	Michigan Telephone Co.	do	9.00
	Island Telephone and Telegraph Co.	do	18.00
	Alpena Mutual Telephone Co.	do	2.50
	Municipal Electric Plant	Electric light	5.62
	Milwaukee Electric Railway and Light Co.	Electric current	11.39
	H. W. Gross	Reseating chairs	1.25
	O. I. Mairs	Hauling	2.50
	A. R. Sias	do	35.00
	P. F. Hanna	do	18.25
	Elsie Roller Composition Co.	Recasting rollers	2.70
	J. J. Conlon	Lettering office signs	9.00
	H. C. Hansen	Supplies	40.00
	Sunset Photo Engraving Co.	Zincograph etching	9.00
	Chas. Cooper & Co.	Ammonia	5.00
	Schneider Bros.	Thermometers	785.00
	J. E. Turton	Instrument shelters	341.00
	Forsburg & Murray	Kite supplies	1.50
	Rudolph, West & Co.	Supplies	12.96
	Standard Oil Co.	Oil	6.36
	Woodward & Lothrop	Oiled silk	5.00
	H. H. Hodgson	Typewriter and cover	90.00
	Robt. D. Willson	Heater, pipes, etc.	12.60
	Marine Review	Blue Book American Shipping	2.50
16	Fredk. Springmann	Transportation	8.72
	do	do	13.61
17	M. G. Copeland	Supplies	1,505.30
	do	Flags	1,180.50
	Royce & Marean	Supplies	63.10
	E. M. Tilden	Ink	10.00
	C. K. Judson	Supplies	6.20
	M. Du Perow	do	189.00
	Thos. Somerville & Sons.	do	9.36
	E. Morrison Paper Co.	do	140.95
	Wm. Nordhoff	Services and material	2.50
	Geo. E. Hunt	Traveling expenses	8.00
	Geo. F. Muth & Co.	Supplies	43.80
	Adams Express Co.	Transportation	70.98
	United States Express Co.	do	49.05
	Z. D. Gilman	Supplies	4.00
	J. C. Entwistle	Services	5.00
	E. B. Calvert	Traveling expenses	91.17
	W. C. Newton & Co.	Supplies	168.88
	do	Supplies and services	131.27
	J. E. Turton	Supplies	230.00
	do	do	230.00
21	Pay roll, New Orleans	Salaries	84.00
	Pay roll, Parkersburg	do	158.25
	Pay roll, Montgomery	do	52.00
	Pay roll, Omaha	do	25.10
	J. L. Patrick	Services	45.00
	W. T. Turbeville	do	15.00
	Ed. Kendall	do	30.00
	J. W. Branan	do	15.00
	Pay roll, Baltimore	Salaries	45.00
	Pay roll, Boston	do	530.25
	Pay roll, Wilmington	do	72.00
	Peleg Brown	Services	8.00
	Barnhart Bros. & Spindler	Supplies	7.14
	F. J. Hart	Horse hire	6.00
	do	Wood	18.00
	Alpena Electric Light Co.	Light	6.00
	People's Telephone and Telegraph Co.	Telephone service.	7.50
	Maggie Mills	Services	2.74
	J. A. Barnes	Coal.	66.00
	S. S. Basslee	Expenses	1.20

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Nov. 21	Chas. Moore	Services	\$2.00
	Puget Sound and Alaska Steamship Co.	Passenger transportation	2.50
	Barron County Telephone Co	Telephone services	15.00
	W. H. Holmes	do	6.00
	Jackson and Rich Square Telephone Co	do	31.20
	Pittsboro and Moncure Telegraph Line	Telegraph services	7.80
	Winton Telegraph Co	do	5.20
	Iowa Telephone Co	Telephone services	2.50
	Smithfield Telephone Co	do	5.00
	Alabama and Georgia Long Distance Telephone Co.	do	10.40
	Pittsburgh, Cincinnati, Chicago and St. Louis Rwy. Co.	Passenger transportation	25.05
	Illinois Central R. R. Co.	do	43.70
	Northern Pacific Rwy. Co	do	33.00
	Yazoo and Mississippi Valley R. R. Co	do	16.00
	Baltimore and Ohio R. R. Co	do	16.50
	New England Telephone and Telegraph Co.	Telegraph services	2.60
22	Pay roll, La Crosse	Salaries	63.00
	A. Salzman	Services .....	.75
	J. P. Friez	Supplies	138.50
	Pay roll, Charleston	Salaries	182.00
	Pioneer Truck Co	Hauling	1.00
	Reading Paper Mills	Supplies	699.30
	H. J. Conrad	Services and material	2.75
	The Columbia Rubber Works Co	Supplies	9.00
	Okonite Co., Limited	do	982.50
	Jno. Kay	Services	6.00
	Geo. C. Fahlbusch	Painting	21.00
	R. Hinton	Services	8.50
	Thayer & Jackson Stationery Co	Supplies	13.88
	W. W. Storm & Co	do	17.10
	Geo. B. Wurtz	Traveling expenses	11.75
	Iowa Telephone Co	Telephone service	34.50
	J. W. Westgate	Services	1.00
	Aurora and Friendship Telephone Line	Telephone service	5.20
	Carolina and Midland Rwy. Co	Telegraph service	10.40
	Bell Telephone Co. of Buffalo	Telephone service	1.10
	Eastern Rwy. Co. of Minnesota	Telegraph service	2.20
	Great Northwestern Telephone Co. of Canada	do	154.10
	Jno. Clark	do	8.80
	The Miami Telephone Co	Telephone service	21.00
	Cumberland Telephone and Telegraph Co.	do	109.30
	Southern Bell Telephone and Telegraph Co	do	7.80
	Pennsylvania R. R. Co	Passenger transportation	23.70
	Southern Pacific Co	do	48.95
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Telegraph service	30.09
	Ohio River Telephone Co	Telephone service	15.60
	Deseret Telegraph Co	Telegraph service	107.80
	Bellaire, Zanesville and Cincinnati Rwy. Co	do	5.50
	Nebraska Telephone Co	Telephone service	59.05
	Corvallis and Eastern R. R. Co	Telegraph service	2.60
	Chicago, Burlington and Northern R. R. Co	do	2.58
	Stanton Mutual Telephone Co	Telephone service	37.50
	Pay roll, Vicksburg	Salaries	71.00
	Pay roll, Harrisburg	do	42.00
	Pay roll, Cairo	do	132.40
	Pay roll, Chattanooga	do	134.52
	Pay roll, Augusta	do	27.00
	C. P. Disney	Services	21.00
	Jas. B. Miles	do	50.00
	Louisa Johnson	do	3.00
23	J. P. Nawrath	Supplies	33.04
	American Bell Telephone Co	Rent of phone	54.90
	Addressograph Co	Supplies	2.20
	J. C. Wilson & Co	Coal	64.00
	Jas. R. Hobbs	Services	3.00
	G. W. Turford	do	1.50
	Joseph Peo	Services and material	30.00
	Columbia Telephone Co	Telephone service	10.50
	Oregon Telephone and Telegraph Co	do	22.50
	H. L. Pittock	Electric current	18.00
	Portland Gas Co	Gas	15.50
	Perkins Van Line	Services	1.25
	Portland Trust Co. of Oregon	Rent of office	210.00
	Excelsior Electric Co	Electricity	1.42
	J. J. Mulligan	Service and material	2.50
	R. D. Willson	Supplies	1.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Nov. 23	Edw. de Groff	Supplies	\$1.50
	Southern Bell Telephone and Telegraph Co.	Telephone service	7.50
	Duff Dodson	Services and material	3.75
	W. L. Bell	do	16.00
30	J. R. Buckelew	Supplies	207.00
	Rudolph, West & Co	do	19.71
	R. C. Ballantyne	do	551.89
	R. P. Clarke	do	1.38
	Willis L. Moore	Traveling expenses	84.25
	do	do	6.60
	Geo. F. Muth & Co.	Supplies	43.68
	Jas. B. Lambie	do	157.36
	do	do	17.00
	Johnson Fisher	Services	25.50
	Saml. Bacon, jr	do	25.50
	Clarence W. Canfield	do	25.50
	H. S. Kiely	do	25.50
	J. L. Foot	do	25.50
	Jas. B. Batey	do	25.50
	Michl. McNamara	do	25.50
	Alex. J. Pollock	do	25.50
	J. K. Lennox	do	34.00
	C. H. Bushnell	do	25.50
	do	do	46.50
	Arthur Westerdahl	do	13.50
	Jno. Auhenser	do	25.50
	W. F. R. Phillips et al	Salaries	255.80
	Jno. P. Church et al	do	2,497.92
Dec. 1	Pay roll, Charleston	do	18.00
	Pay roll, Atlanta	do	42.00
	Pay roll, Omaha	do	220.80
	Pay roll, Pittsburg	do	322.09
	Pay roll, Galveston	do	404.80
	Pay roll, Portland, Oreg	do	45.00
	Pay roll, Mobile	do	81.00
	Pay roll, Raleigh	do	97.00
	Pay roll, Nashville	do	49.90
	E. J. Gifford	Services	21.00
2	Eliza C. Crocker	do	10.00
	T. C. Hamilton	do	15.00
	Daniel Duffey	do	15.00
	Edwd. Keimer	do	5.00
	W. S. Brockman	do	.50
	Pay roll, Columbus	Salaries	256.40
	Pay roll, Savannah	do	66.00
	Pay roll, Narragansett Pier	do	90.00
	Pay roll, New Orleans	do	67.50
	Pay roll, St. Louis	do	184.00
	Pay roll, Fort Smith	do	56.07
	Pay roll, Alpena	do	75.00
	Pay roll, Woods Hole	do	40.00
3	Pay roll, Montgomery	do	128.80
	Pay roll, Indianapolis	do	161.80
	Pay roll, St. Louis	do	105.55
	Pay roll, Des Moines	do	221.80
	Howard K. Holcomb	Traveling expenses	11.05
	E. A. Beal	do	43.38
	H. B. Hersey	do	20.25
	A. T. Burrows	do	3.85
	Chas. Adie	do	1.50
	R. J. Hyatt	Expenses	6.70
	A. G. McAdie	do	2.20
	H. B. Boyer	do	10.71
	E. H. Emery	do	4.91
	R. G. Allen	do	6.50
	Norman B. Conger	do	5.00
	Geo. S. Waite	Service and material	15.00
	E. F. Gunter	do	3.00
	Wm. McKillip	do	2.00
	B. B. Pollock	do	1.50
	Jos. Watkins	Drayage	3.75
	Richard Lee	Services	6.00
	Ed. Peake	do	2.00
	E. M. Bowman	Drayage	2.50
	Johnson & Johnson	Fuel	9.75
	Talbot & Hubbard	Supplies	12.50
	R. B. Merrill	Ice	7.50
	Babbitt Bros	Supplies	27.25
	Neostyle Co	do	183.00
5	Pay roll, Kansas City	Salaries	275.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Dec. 5	Pay roll, Savannah	Salaries	\$202.00
	Pay roll, New Orleans	do	220.80
	do	do	146.20
	Pay roll, Vicksburg	do	24.20
	Pay roll, Galveston	do	15.00
	Pay roll, Portland, Me.	do	60.00
	Pay roll, New York	do	55.00
	J. B. Flora & Co.	Stoves	20.00
	T. W. & C. B. Sheridan	Supplies	2.25
	E. C. Palmer & Co., Limited	do	1.00
	W. B. Fells	do	380.00
	Estate of John Schultzbach	do	139.00
	S. A. Duvall	do	10.00
	Wm. Ballantyne & Sons	do	14.98
	Jno. C. Parker	do	60.00
	Saml. Chichester	Services and material	7.00
	W. & A. McArthur Co., Limited	do	16.00
	W. B. Moses & Sons	Supplies	144.10
	Geo. Darden	Service and material	3.00
	John Auhenser	do	46.50
	Salt Lake Towel Supply Co	Supplies	1.50
	Deseret News Publishing Co	Services	32.50
	E. Biondi	do	30.00
	J. K. Hooper	Expenses	3.00
	H. W. Richardson	do	4.80
	H. N. Johnson, attorney in fact of C. S. & J. L. McLaury.	Rent of office	69.00
	Chamber of Commerce Building Co.	do	75.21
	Oregon Short Line R. R.	Passenger transportation	20.25
	L. M. Day	Traveling expenses	8.62
6	Chas. S. Willis	Signs	12.00
7	Pay roll, Atlanta	Salaries	62.00
	Pay roll, Wilmington	do	42.80
	Pay roll, Charleston	do	24.80
	do	do	35.00
	Pay roll, Savannah	do	67.60
	Pay roll, Minneapolis	do	330.40
	Pay roll, Mobile	do	176.40
	Pay roll, Montgomery	do	43.20
	W. W. Best	Services	5.00
	D. Cosby	do	.50
	American Express Co.	Transportation	6.25
	Northern Telephone Exchange Co.	Telephone service	18.00
	New England Telephone and Telegraph Co.	do	12.00
	Southern Telegraph and Telephone Co.	do	15.00
	San Antonio Ice Co	Ice	5.25
	W. P. Binyon & Co	Services	5.50
	Alpheus Drinkwater	do	3.75
	Patterson Transfer Co	do	2.25
	J. P. Glynn	do	1.50
	J. R. Robinson	do	27.00
	J. A. Becker	do	10.00
	J. W. Long	do	7.00
	J. H. Callender	Supplies	45.00
	J. H. Bunnell & Co	do	61.30
	E. A. Peters & Co.	do	2.50
	W. H. Marvin	Services and material	1.50
	Stout & Rogers	do	3.00
	Wm. Senter & Co	do	1.75
	J. A. Rainey	do	7.50
	Hedric & Bolthoff Manufacturing and Supply Co.	do	3.00
10	Fredk. Springmann	Transportation	37.10
16	W. M. Wilson	Expenses	5.86
	J. W. Lattin	Storage	3.00
	Mobile Light and Railroad Co	Light	5.50
	J. S. Hazen	Traveling expenses	4.25
	W. A. Simons	do	7.00
	J. W. Halford	do	28.50
	H. C. Merrill	do	5.75
	H. A. McNally	do	16.75
	Seth Graham & Son	Drayage	2.10
	California Truck Co	do	3.25
	Elizabeth L. Renoe	Rent of office	43.01
	Robt. Bonson	Rent of ground	4.70
	Pay roll, New York, N. Y.	Salaries	55.00
	Pay roll, Louisville, Ky.	do	293.20
	Adams Express Co.	Transportation	51.85
	P. B. Chambers	do	5.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898, Dec. 16	Seattle and Neah Bay Transfer Co	Transportation.....	\$18.50
	F. J. Hart	do	5.50
	Southern Railway Co.....	Passenger transportation	26.50
	do	do	9.40
	Alaska Commercial Co.....	do	63.00
	Baltimore and Ohio Southwestern Rwy. Co	do	20.25
	Erie R. R. Co.....	do	9.25
	Wabash R. R. Co.....	do	9.87
	Northern Pacific Rwy. Co.....	do	45.00
	Chicago, Milwaukee and St. Paul Rwy. Co.....	do	8.00
	Colorado River and Puget Sound Navigation Co.....	do	2.50
	Baltimore and Ohio R. R. Co.....	do	16.75
	New York Central and Hudson River R. R. Co.....	do	21.90
	Norfolk and Southern R. R. Co.....	do	3.10
	Northern Central Rwy. Co.....	do	3.74
	Norfolk and Washington, D. C., Steamboat Co.....	Transportation.....	4.56
	The Maurice Joyce Engraving Co.....	Supplies and services.....	34.75
	do	do	45.57
	W. C. Newton & Co.....	do	103.78
	Bendernagel & Co.....	do	1.50
	Arkansas Democrat Co.....	do	4.75
	W. W. Cone.....	do	3.00
	E. W. Turner.....	do	2.00
	The Smith Premier Typewriter Co.....	do	1.50
	Postal Telegraph Cable Co.....	Telegraph service.....	2.56
	East Louisiana R. R. Co.....	do	7.90
	Cumberland Telephone and Telegraph Co.....	do	30.80
	J. A. Fox.....	do	6.00
	Smithfield Telephone Co.....	Telephone service.....	4.40
	Chicago, Burlington and Northern R. R. Co.....	Telegraph service.....	3.10
	Corvallis and Eastern R. R. Co.....	do	2.60
	Chesterfield Telephone and Telegraph Co.....	do	7.60
	Carolina Midland Rwy. Co.....	do	5.20
	Fort Worth and Denver City Rwy. Co.....	do	24.00
	do	do	25.20
	Iowa Telephone Co.....	Telephone service.....	2.40
	Alabama and Georgia Long Distance Telephone Co.....	do	13.50
	H. E. Wadsworth.....	Telegraph service.....	49.17
	Jno. E. Robinson.....	Services.....	9.00
	Expressman's Delivery Co.....	do	2.50
	A. H. Nottage.....	do	5.00
	G. W. Bradley.....	do	2.50
	E. C. Godfrey.....	do	12.00
	W. T. Brooke.....	do	10.00
	W. B. Keeler.....	do	5.00
	Expressman's Delivery Co.....	do	2.75
	E. D. Beattie.....	do	36.00
	Adam Glass.....	do	2.50
	L. Naegels & Sons.....	do	95.00
	Standard Oil Co.....	Supplies.....	4.42
	Jno. H. Cook.....	do	2.50
	M. G. Copeland & Co.....	do	156.00
	Easton & Rupp.....	do	19.91
	Estate of Jno. Schultzbach.....	do	139.00
	W. B. Moses & Sons.....	do	132.80
	J. R. Buckelew.....	do	317.25
	Jno. C. Parker.....	do	179.50
	do	do	167.60
	M. Du Perow.....	do	16.00
	W. C. Newton & Co.....	do	3.64
	do	do	60.80
	do	do	37.01
	Jas. B. Lambie.....	do	4.50
	R. C. M. Burton.....	Flags.....	7.60
	J. H. Thiemeyer.....	Packing boxes.....	57.72
	Hoke Engraving Plate Co.....	Supplies.....	10.12
	Fuchs & Lang Manufacturing Co.....	do	36.40
	O. J. Maigne.....	do	43.38
	Queen & Co., Incorporated.....	do	302.15
	E. J. Brooks & Co.....	do	5.60
	Knickerbocker Ice Co.....	Ice.....	1.20
	American Type Founders Co.....	Supplies.....	47.50
	M. B. Zimmer.....	Furniture.....	1.35
	Johnson & Forbes.....	Oil.....	7.00
	J. M. Cornwell.....	Supplies.....	2.75
	Jno. M. Klein Electric Works.....	do	

150 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Dec. 16	Jas. Graham Co	Supplies	\$1.75
	W. W. Montague & Co	do .....	.90
	Dunham, Carrigan & Hayden Co	do .....	.85
	J. P. Friez	do	22.50
	Southwestern Telegraph and Telephone Co.	Telephone service	6.00
	Ocean Towboat Line	Telegraph service	60.00
	Jacksonville & St. Johns Bar Telegraph Line	do	13.75
	Philadelphia, Reading and Pottsville Telegraph Co.	do	8.19
	J. T. Harper	do	14.02
	Bell Telephone Co. of Buffalo, N. Y	Telephone service	2.75
	Ohio River Telephone Co	do	7.50
	Aurora and Friendship Telegraph Line	Telegraph service	2.50
	New York Union Telegraph Co	do	7.70
	International Ocean Telegraph Co.	do	152.66
	Great Northwestern Telegraph Co. of Canada	do	157.02
	W. E. Chidester	Services	16.00
	Joseph Ridgway, jr	do	140.00
	C. E. Hayman	do .....	.56
	F. A. Goulter	do	1.75
	L. H. Pedlar	do	3.50
	Hoke Engraving Plate Co	do	100.00
	do	do	112.50
	do	do	112.50
	do	do	45.67
17	Pay roll, Mobile	Salaries	49.60
	Pay roll, Memphis	do	74.40
	Pay roll, New Orleans	do	68.20
	do	do	49.60
	Pay roll, Little Rock	do	266.60
	do	do	42.00
	Pay roll, Galveston	do	136.40
	Pay roll, Portland, Oreg	do	39.75
	J. B. Dillon	Traveling expenses	12.50
	C. F. von Herrmann	do	2.25
	W. H. Scholl	do	23.00
	F. H. Brandenburg	do	10.25
	E. A. Beals	do	3.35
	G. H. Hagen	do	10.15
	F. E. Payne	do	23.10
	P. G. Neeld	Services	1.00
	Geo. Bell	do	1.50
	Brun & Post Carpet and Drapery Co	do	4.00
	Western Union Telegraph Co	do	18.45
	Jas. F. Blewett	do	15.40
	C. G. Swan	do	3.00
	Jno. McKay	Services and material	55.90
	C. R. Ross	Services	43.56
	F. J. Defuet	Drayage	4.00
	Jno. Hefferman	do .....	.75
	Payne & Willingham	do	10.00
	Wm. Empting	Water	3.75
	Barney Flynn	Ice	4.60
	Alaska Commercial Co	Purchases	8.45
	Little Rock Edison Electric Light and Power Co.	Electric current	16.97
	J. W. Butler Paper Co	Paper	16.50
	Edw. De Graff	Coal	30.00
	G. H. Miller	Rent of office	157.95
	E. J. Brooks & Co	Supplies	18.75
	Addressograph Co	do	16.88
	The J. F. W. Dorman Co	do	61.71
	do	do	60.00
	do	do	47.37
	E. H. Bowie	Express	4.20
	Fred S. Johnson	do	1.60
	A. G. McAdie	do	8.25
	W. M. Fulton	do	27.50
	T. S. Collins	Traveling expenses	9.00
20	Jno. Craig	Office expenses	1.35
22	International Ocean Telegraph Line	Telegraph services	158.94
	Chicago and Northwestern Rwy. Co.	Passenger transportation	49.35
	do	do	28.00
	Wabash R. R. Co.	Transportation .....	.50
	A. J. Stowe & Bro	do	2.50
	A. E. Drinkwater	Services	3.00
	D. Stormont	Horse hire	2.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Dec. 22	Jno. Cooper	Services	\$4.80
	L. H. Pedlar	do	3.50
	A. J. Goulter	do	20.12
	Belt & Dyer	Supplies	6.30
	United Typewriter Supply Co	Services	7.60
	Broderick Bros	Supplies	14.00
	O. J. Carlson	Services and material	5.00
	Smith Premier Typewriter Co	do	2.10
	Viaduct Manufacturing Co	Supplies	1.00
	Peter Raber	Services	7.00
	L. H. Jones	Services and materials	3.30
	J. W. Hussey	Drayage	2.50
	Wm. McLaughlin	do	1.00
	Urnstadter Myers Co	Services	4.00
	A. T. Farrell	do	4.00
	Fones Bros. Hardware Co.	Supplies	8.40
	Little Rock Plumbing Co	Services and materials	12.50
	Pulaski Gas Light Co	Gas	19.80
	E. A. Fitz-Henry	Services	10.00
	E. C. Fasoldt	Services and materials	2.00
	Zimmerman Hardware Manufacturing Co.	do	6.90
	J. J. Paquette	do	1.75
	Bennie Marsden	Services	5.00
	J. E. Miller	do	2.50
	Wm. H. Rinney	do	3.75
	L. M. Wentz	do	6.20
	O. D. Stewart	Traveling expenses	8.85
	Frank Jermin	do	4.50
	J. E. Entwistle	Service	5.00
	F. P. May & Co	Files	4.86
	Southern Rwy. Co.	Passenger transportation	24.15
	do	do	20.20
	American Type Founders Co.	Supplies	3.60
	do	do	14.09
	do	do	13.81
	Chadwick Copying Book Co	do	61.25
	East Louisiana R. R. Co.	Telegraph service	2.60
	Ocean Towboat Line	do	30.00
	R. Carter Ballantyne	Paper	544.16
	Fort Worth and Denver City Rwy. Co.	Telegraph service	26.40
	do	do	12.40
	Pennsylvania R. R. Co	Passenger transportation	94.25
	Da Costa Printing Co	Services	58.50
	E. S. Braisted	Supplies	9.51
	J. H. Weddington & Co	do	.85
	P. I. Hart	Office rent	5.00
	Paul De Graw	Traveling expenses	28.90
	Jos. P. Bolton	Expenses	3.00
	Dewey A. Seeley	Traveling expenses	10.00
	Washburn & Moen Manufacturing Co	Supplies	307.90
	Albert Ashenberger	Traveling expenses	6.25
	M. R. Sanford	do	6.50
	Hall, Headington & Co	Supplies	54.84
	Vance Printing Co	do	48.25
	Arctic Oil Works	Oil	6.30
	American Bell Telephone Co	Telephone rental	20.20
	Baltimore and Ohio Southwestern Rwy. Co.	Transportation	8.42
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	.58
	Cleveland Terminal Valley R. R. Co.	do	2.75
23	Chicago, Milwaukee and St. Paul Rwy. Co.	Passenger transportation	12.75
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do	51.40
	Pennsylvania Company	do	60.80
	Florida East Coast Rwy. Co	do	21.40
	Norfolk and Carolina R. R. Co	do	19.65
	Texas and Pacific Rwy. Co	do	25.00
	Louisville and Nashville R. R. Co	do	54.00
	Raleigh and Gaston R. R. Co.	do	6.30
	Missouri, Kansas and Texas Rwy. Co	do	16.65
	Santa Fé Pacific R. R. Co	do	53.65
	New York, New Haven and Hartford R. R. Co.	do	13.85
	Oregon Short Line R. R. Co.	do	50.55
	C. W. Crutsinger	Service and material	1.80
	G. C. Snyder & Co	do	4.10
	M. C. Baker & Son	do	1.00
	James Lambert	do	15.00
	O. J. Mairs	do	1.25
	Geo. Bergen	Ground rent	6.00

152 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1898. Dec. 23	Mangrum & Otter	Stoves	\$45.00
	California Electric Works	Supplies	10.68
	Vermont Telephone and Telegraph Line	Telephone services	9.00
	The Bell Telephone Co. of Buffalo	do	4.40
	The Ohio River Telephone Line	do	7.80
	Aurora and Friendship Telephone Line	do	2.60
	Great Northwestern Telephone Co. of Canada	do	150.95
	Philadelphia, Reading and Pottsville Tele- graph Co.	Telegraph service	8.26
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do	40.39
	Baltimore and Ohio Southwestern Rwy. Co.	Transportation	1.14
	Louisville and Nashville R. R. Co.	do	1.05
	A. W. Shilling	Traveling expenses	2.25
	A. F. Sims	do .....	.68
	E. V. Evans	Expenses	3.25
	R. M. Hardinge	do	6.75
31	Jno. P. Church et al	Salaries	2,511.93
	W. F. R. Phillips et al	do	252.32
	Total second quarter		71,958.30
1899. Jan. 3	Postal Telegraph Cable Co.	Telegraph service	190.68
	United States Express Co	Transportation	25.40
	Fred. A. Schmidt	Measuring stick	23.00
	W. C. Newton & Co	Supplies	35.28
	do	Type, furniture, etc	47.68
	E. M. Tilden	Type	15.90
	R. P. Clarke	Millinet for printing office	1.38
	J. E. Turton	Instrument shelters	1,020.00
	Beverly Hudnell	Cleaning weather map	2.61
	Charlie Carter	do	2.61
4	Paine Bros	Office rent	73.95
	B. D. Johnson	do	45.00
	Isaac Block	do	77.50
	Fred Arnold	do	75.00
	O. J. Mairs	do	67.50
	Tyree & Wilkins, agents	do	67.50
	Pacific Club	do	67.50
	A. C. Rackliffe	do	75.00
	A. J. Knight	do	79.44
	Edgar Harding	do	87.50
	Walla Walla Lodge, No. 56, I. O. O. F.	do	84.87
	Ella W. Daniels	do	75.00
	P. Laveager, county treasurer	do	67.00
	O. B. Hart	do	16.00
	F. E. Warren Mercantile Co	do	91.90
	T. B. Catron	do	105.00
	C. M. Boucher	do	42.00
	Guaranty Building Co	do	126.19
	Farmers' Bank of Fresno	do	115.00
	Indianapolis Gas Co.	do	250.00
	F. M. Brown & Co	do	100.00
	E. L. Renoe	do	100.00
	R. McLaughlin	do	150.00
	Asher Marks, administrator	do	77.25
	G. E. Shaw	do	70.00
	B. F. Ellis	Erecting instrument shelters	93.00
	C. F. Godfrey	Repairs to clock	3.00
	Jno. Partridge	Binding book	1.00
	Chas. Cannell	Rent of ground	2.25
	A. A. Spring	Services of tugboat	35.00
	Wm. Houtz	Services and material	22.50
	American Type Founders Co	do	11.00
	do	Repairs to printing press	22.20
	C. A. Kitzmiller	Chimney burner, etc	1.10
	The J. F. W. Dorman Co.	Rubber stamps	3.60
	do	Fasteners	35.00
	Pay roll, New Haven, Conn.	Substation salaries	48.00
	Pay roll, Buffalo, N. Y.	do	79.47
	K. E. Thielen	Services	15.00
	Zetta Higgins	do	30.00
	H. L. Holden	do	24.84
	Louis Bader	Services and material	2.50
	J. H. Thiemeyer	Packing boxes	28.50
	Mecklenburg Iron Works	Erecting wind vanes, etc	7.00
	J. P. Friez	Supplies	167.35

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 4	Goodyear Rubber Co	Rubber blankets	\$29.56
	Mackall Bros	Soap	13.00
	J. F. Friez	Supplies	926.40
	H. W. Herman	Mail bag	2.00
	O. D. Leisenring	Traveling expenses	4.75
	Saml. Bacon, jr	do	2.50
5	J. E. Buckelew	Typewriters, etc	207.00
	Jno. C. Parker	Paper for printing office	235.16
	do	Clips	10.00
	E. S. Beardsley	Matches, ink, etc	4.60
	Holyoke Envelope Co	Envelopes	13.00
	Dunham, Carrigan & Hayden Co	Clamps	1.33
	Berry & Oakman	Dating stamps	2.00
	Joseph Ridgway	Services	46.50
	E. A. Beattie	Printing monthly crop bulletins.	36.00
	Annie Reed	Services	12.26
	Louis Prior	do	9.00
	Katie Collins	do	9.00
	Sullivan & Martin	Cleaning and painting office room.	70.00
	D. H. McBeath	Services and material	48.00
	F. M. McKeough	Recasting rollers	3.00
	Hayre Furniture Co	Typewriter stand	4.00
	L. & E. Emanuel	File case	75.00
	Wood Peavy Furniture Co	Furniture	55.00
	Wild & Stevens	Rollers	4.95
	Inland Telephone and Telegraph Co	Telephone service	18.00
	Santa Fe Electric Telephone Co	do	6.00
	Sunset Telephone and Telegraph Co	do	6.00
	Lynchburg Telephone Co	do	3.00
	E. S. Hughes & Co	Office rent	106.11
	Maggie French	do	74.20
	T. M. Jeffris & Co	do	100.00
	J. A. Smith	do	90.00
	Bunce & Iiams	do	90.00
	Portland Trust Co. of Oregon	do	210.00
	R. A. Dodson, executor	do	131.25
	C. S. McLaauy, J. H. McLaauy, and P. A. Johnson.	do	69.00
	Baltimore and Ohio Southwestern Rwy. Co.	Transportation	79
7	United States Express Co	do	79.00
	Jno. R. Galloway	Electric fan	23.00
	Maurice Joyce Engraving Co	Supplies, etc	46.69
	Mackall Bros	Glycerine	7.00
	Jas. B. Lambie	Waste cotton	20.25
10	J. H. Kimball	Traveling expenses	10.00
12	Southern New England Telephone Co	Telephone services	51.00
	Southwestern Telegraph and Telephone Co.	do	15.00
	do	do	13.33
	Southern States Telephone Co	do	7.50
	Bell Telephone Co. of Buffalo	do	12.50
	Sunset Telephone and Telegraph Co	do	6.00
	Southern Bell Telephone and Telegraph Co.	do	3.00
	Pennsylvania Telephone Co	do	21.00
	Missouri and Kansas Telephone Co	do	18.00
	B. M. Jacobs	Office rent	15.00
	E. H. Jamieson	do	120.00
	P. H. Swearingen	do	48.00
	Union Trust Building Co., Limited	do	137.50
	Peter Sonna	do	72.00
	State Trust Co	do	87.50
	Wm. Chandler	do	84.00
	Jno. L. & Wm. L. McCague	do	125.00
	H. W. Styron	do	38.62
	First National Bank, Moorhead, Minn	do	66.31
	Albert Marty	do	165.00
	J. H. March	Furniture	56.50
	Duluth Van Express and Storage Co	Drayage	2.50
	W. T. Core	Flagstaff	6.50
	Blue Mountain Ice and Fuel Co	Ice	6.50
	Jno. Bowden	Services	1.10
	Knight & Rosenkrans	Washing towels	1.50
	The J. F. W. Dorman Co	Rubber stamps	25.26
	American Type Founders Co	Supplies	45.17
	Queen & Co. (incorporated)	Barographs, etc	1,139.00
	Hall, Headington & Co	Carpets, etc	80.48

154 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 13	Michigan Central R. R. Co.....	Passenger transportation.....	\$8.68
	Lake Shore and Michigan Southern Rwy. Co.....	do.....	25.51
	Chicago and Northwestern Rwy. Co.....	do.....	5.10
	Louisville and Nashville R. R. Co.....	do.....	42.50
	Savannah, Florida & Western Rwy. Co.....	do.....	19.65
	Terre Haute and Indianapolis R. R. Co.....	do.....	28.50
	Chicago, Burlington and Quincy R. R. Co.....	do.....	12.75
	Santa Fe, Prescott and Phoenix Rwy. Co.....	do.....	54.00
	Pennsylvania R. R. Co.....	do.....	16.25
	Chicago Auditorium Association.....	Office rent.....	450.00
14	The J. C. Ergood Co.....	Flour.....	1.25
	W. B. Moses & Sons.....	Furniture.....	367.68
	Jno. C. Parker.....	Typewriter ribbons.....	9.38
	E. Morrison Paper Co.....	Rubber bands.....	36.36
	J. E. Turton.....	Erecting river gauge.....	38.00
19	Harper & Pennington.....	Towelservice.....	.42
	Anna Faris.....	Services.....	4.50
	C. A. Blummer.....	do.....	15.00
	J. T. Myers.....	do.....	15.00
	H. L. Pittock.....	Electric current.....	18.00
	Corpus Christi Electric Co.....	do.....	6.00
	Portland Gas Co.....	Gas.....	16.75
	Northwestern Telephone Exchange.....	Telephone service.....	9.00
	Southern Bell Telephone and Telegraph Co.....	do.....	15.00
	Sunset Telephone and Telegraph Co.....	do.....	6.00
	Henry J. Green.....	Supplies.....	18.00
	Geo. Meier & Co.....	do.....	17.00
	Peter Gray.....	Lanterns.....	58.00
	Schneider Bros.....	Supplies.....	50.00
	American Type Founders Co.....	do.....	11.39
	Reading Paper Mills.....	Paper, etc.....	15.00
	Oregon Telephone and Telegraph Co.....	Telephone service.....	22.50
	Southwestern Telegraph and Telephone Co.....	do.....	9.00
	Central Union Telephone Co.....	do.....	39.00
	International Telephone and Telegraph Co.....	do.....	9.00
	Luke & Smith.....	Office rent.....	75.00
	M. E. Conway.....	do.....	37.74
	Northwestern Mutual Life Insurance.....	do.....	75.00
	Cone & Kimball Co.....	do.....	99.06
	Cincinnati, New Orleans and Texas Pacific Rwy. Co.....	Passenger transportation.....	99.05
	Baltimore and Ohio Southwestern Rwy. Co.....	do.....	30.75
	do.....	do.....	26.00
	L. H. Daingerfield.....	Traveling expenses.....	2.75
	Peter Wood.....	do.....	7.65
	L. G. Schultz.....	do.....	7.00
	Wayland Bailey.....	Office expenses.....	1.60
	Geo. Loveland.....	do.....	10.26
	David Cuthbertson.....	do.....	1.61
	Geo. T. Todd.....	do.....	4.40
	F. H. Brandenburg.....	do.....	2.25
	J. C. Hayden.....	do.....	2.00
	E. H. Emery.....	do.....	5.00
	do.....	do.....	5.00
	R. Connor.....	do.....	7.25
	W. H. Fallon.....	do.....	1.00
	J. Craig.....	do.....	1.00
	J. J. Kelliher.....	do.....	1.00
	Jno. Grover.....	do.....	4.50
	Jas. Kenealy.....	do.....	4.35
	Geo. N. Wilson.....	do.....	.50
	Chas. M. Strong.....	do.....	2.40
	C. F. R. Wappenhaus.....	do.....	4.65
20	Consumers' Electric Light and Street R. R. Co.....	Electric light.....	5.00
	Ludington Electric Light and Power Co.....	do.....	5.00
	Central District and Printing Telegraph Co.....	Rent of telephone.....	34.25
	Wisconsin Telephone Co.....	Telephone service.....	3.75
	Michigan Telephone Co.....	do.....	.68
	Southern Bell Telephone and Telegraph Co.....	do.....	10.00
	do.....	do.....	7.50
	Cumberland Telephone and Telegraph Co.....	do.....	9.00
	Michigan Telephone Co.....	do.....	8.50
	Iowa Telephone Co.....	do.....	6.00
	Home Telephone Co.....	do.....	6.00
	W. P. Kane.....	Repairs to river gauge.....	12.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 20	E. B. Smith	Erecting flagstaff	17.00
	T. A. Roberts	Repairing clock	2.50
	Amelia McLean	Washing towels	3.00
	P. C. Shaw	do	6.00
	E. J. Gifford	Services	21.00
	C. A. Blackly	do	9.00
	E. E. Friday	do	21.00
	C. P. Disney	do	21.00
	J. W. Branan	do	15.00
	E. Biondi	do	30.00
	C. J. Oyler	do	4.50
	J. S. Barney	do	49.35
	H. T. Johnson	Traveling expenses	15.30
	J. K. Hooper	do	5.09
	E. H. Emery	Office expenses	6.00
	E. H. Nimmo	do	1.70
	L. A. Welsh	do	1.60
	J. C. Piercy	do	4.65
	W. T. Blythe	do	13.23
	W. S. Belden	do	.50
	T. S. Outram	do	2.20
	J. W. Smith	do	2.55
	Pay roll, Chicago, Ill	Substation salaries	899.95
	Pay roll, Sandusky, Ohio	do	37.26
	Pay roll, Portland, Oreg	do	55.00
	Pay roll, Norfolk, Va	do	105.00
	Pay roll, Cairo, Ill	do	134.40
	Pay roll, Charleston, S. C	do	87.50
	Pay roll, Harrisburg, Pa	do	42.00
	Pay roll, Montgomery, Ala	do	109.00
21	Pay roll, Boston, Mass	do	530.25
	Pay roll, Augusta, Ga	do	55.80
	Pay roll, Pensacola, Fla	do	36.00
	Pay roll, Narragansett Pier, R. I	do	90.00
	Pay roll, Baltimore, Md	do	45.00
	Pay roll, Savannah, Ga	do	66.00
	Pay roll, Charleston, S. C	do	18.00
	Pay roll, Chattanooga, Tenn	do	150.75
	Pay roll, Pittsburg, Pa	do	321.75
	Pay roll, Fort Scott, Ark	do	39.00
	J. W. Lattin	Rent of barn	1.50
	Kate F. Coke	Rent of office	60.00
	Fanny L. Keating	do	90.00
	Merrill Bliss & Co.	do	25.00
	Colley & Wright	do	78.50
	Continental National Bank	do	150.00
	L. Mirelaz	do	60.00
	Isaac Eberly	do	154.00
	Warfield & Dann	do	13.71
	Bank and Insurance Building Co	do	100.00
	Margaret Parmentier	do	75.00
	Penn Mutual Life Insurance Co.	do	81.25
	Jos. Gussenhoven	do	120.00
	H. Overholser	do	127.50
	C. M. Beeson	do	97.41
	Jas. S. Sebree	do	34.45
	H. D. & F. H. Irish	do	59.32
	Jno. Semer	do	91.94
	B. S. Williams	do	55.00
	Real Estate and Law Building Co	do	34.25
	Lorenzo Littlefield	do	64.99
	D. Horton	do	120.00
	Tacoma Chamber of Commerce and Board of Trade.	do	60.00
	Jas. S. Sebree	Rent of shelter	1.55
	Citizens' Cooperative Telephone Association.	Telephone service	10.00
	Bell Telephone Co. of Philadelphia	Telephone rent	30.00
	Chicago Telephone Co	Telephone service	47.65
	Northwestern Telephone Exchange	do	9.00
	City and Suburban Telephone Association	do	25.00
	Southern Bell Telephone and Telegraph Co	do	7.50
	La Crosse Telephone Co.	do	7.50
	Nebraska Telephone Co	do	30.00
	Wm. Searle	Services	12.00
	Jas. Evans	do	9.00
	Kate E. Reynolds	do	15.00
	Ella Beahan	do	9.00
	B. F. Modisett	do	30.00
	L. Rogers	do	15.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 21	W. A. Johnson	Service	\$30.00
	Frank L. Zeigler	do	29.03
	Mary Larner	do	8.61
	Aaron Sargent	do	12.00
	G. S. Congdon Hardware Co.	Lantern .....	.75
	E. Frost & Son	Painting	2.50
	Elmer C. Godfrey	Repairing telegraph line	5.00
	F. J. Hart	do	5.00
	American Toilet Supplies Co.	Toilet supplies	2.25
	Robert Little	Drayage	3.50
	Van Bibber Roller Co.	Recasting printing rollers	4.00
	E. R. Smith	Cable pole	1.50
	L. M. Dalrymple	Crating letter press	4.00
	E. H. Day	Repairing telegraph line	4.00
	S. S. Kelley	Washing towels	3.00
	Guarantee Building Co.	Electric current	9.00
	Indianapolis Light and Power Co.	do	18.00
	Virginia Electric Co.	do	4.50
	Norwich University	do	2.00
	D. L. Goble	Magnets	19.50
	Chas. Stout	Drayage	6.51
	Norwich University	Steam heat	7.50
	Grant Rivenburg	Ice	2.30
23	Adams Express Co.	Transportation	60.55
	W. C. Newton & Co.	Supplies	37.90
	do	Type	2.33
	The Maurice Joyce Engraving Co.	Electrotype plates	46.72
	Rudolph, West & Co.	Halyards	8.80
	Standard Oil Co.	Benzine	4.55
	Jno. C. Parker	Stencil paper	50.00
	Pay roll, Nashville, Tenn.	Substations, salaries	58.80
	Pay roll, Cleveland, Ohio	do	61.30
	Pay roll, Galveston, Tex.	do	30.00
	Pay roll, St. Louis, Mo.	do	107.30
	Pay roll, New Orleans, La.	do	60.00
	do	do	84.00
	Pay roll, Atlanta, Ga.	do	66.84
	Pay roll, Cincinnati, Ohio	do	90.00
	Pay roll, Parkersburg, W. Va.	do	166.50
	Pay roll, Vicksburg, Miss.	do	84.00
	Pay roll, La Crosse, Wis.	do	63.00
	Pay roll, Shreveport, La.	do	42.00
	Pay roll, Wilmington, N. C.	do	72.00
	Pay roll, Augusta, Ga.	do	45.00
	Pay roll, Raleigh, N. C.	do	69.00
	Pay roll, Little Rock, Ark.	do	42.00
	Vermont Telephone and Telegraph Co.	Telephone service	9.00
	R. L. Lewis	do	15.75
	Cairo Telephone Co.	do	5.00
	J. B. Mattingly	do	6.00
	Michigan Telephone Co.	do	6.00
	Iowa Telephone Co.	do	34.50
	Columbia Telephone Co.	do	10.50
	W. T. Smith	do	8.00
	Chesapeake and Potomac Telephone Co.	do	33.75
	Southern Bell Telephone and Telegraph Co.	do	13.50
	New York and Pennsylvania Telephone and Telegraph Co.	Telephone rent	21.00
	Duluth Telephone Co.	Telephone service	15.00
	Missouri and Kansas Telephone Co.	do	18.00
	People's Telephone and Telegraph Co.	do	7.50
	Ohio Valley Telephone Co.	do	18.00
	Southern Bell Telephone and Telegraph Co.	do	8.25
	Delaware and Atlantic Telegraph and Telephone Co.	do	12.00
	East Tennessee Telephone Co.	do	10.00
	Geo. E. French & Co.	Oil .....	.50
	B. McEvoy	Rent of building for storage	6.00
	Atlantic City Gas and Water Co.	Gas	6.75
	Buffalo Gaslight Co.	do	5.35
	Consolidated Gas Co.	do	6.50
	Consumers' Ice Co.	Ice	3.85
	Knickerbocker Ice Co.	do	1.70
	Citizens' General Electric Co.	Electric current	22.50
	Lincoln Traction Co.	do	13.50
	Charleston Edison Light and Power Co.	do	3.96
	Grand Haven City Electric Light Co.	do	3.48
	Cumberland Electric Light and Power Co.	do	15.00
	T. W. Pemberton	do	5.10
	J. W. Benham	Wood	8.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 23	J. C. Baum	Coal	\$58.50
	The Globe Co.	Furniture	92.50
	Chas. Woolwine	Drayage	1.50
	A. Nelson	Hauling	8.70
	Nashville Laundry Co.	Washing towels	1.80
	Greater New York Toilet Supply Co.	do	2.25
	Louisiana Towel Supply Co.	do	6.00
	M. A. Graham	do	1.50
	J. Frank Beck	do	3.00
	D. Stormont	Transportation	3.04
	do	do	2.00
	G. W. Albright	Repairing instrument shelters.	4.00
	Jno. Maund	Laying carpet	5.00
	E. Drinkwater	Repairs to telegraph line	2.50
	Irwin's Express Co.	Removing furniture	19.50
	L. Rogers	Use of horse and cart	30.00
	Arthur A. Day	do	7.60
	W. H. H. Smith	do	18.00
	Golding & Co.	Supplies	8.75
	Hall, Headington & Co.	Carpet and mats	57.88
	J. J. Deright & Co.	Typewriter ribbons	2.25
	Viaduct Manufacturing Co.	Electric bell	3.50
	P. Minor	Ice, etc.	3.10
	J. P. Bolton	Office expenses	2.50
	U. G. Russell	do	1.25
	L. N. Jesunofsky	do	1.50
	E. J. Davenport	Rent of office	75.00
	Eliza C. Crocker	Services	30.00
	Ed Kendall	do	23.23
	W. T. Turbeville	do	15.00
	J. L. Patrick	do	45.00
24	United Typewriter and Supplies Co.	Repairing typewriter	5.40
	do	Platen for caligraph	3.00
	J. E. Turton	Map frames	114.50
	J. C. Entwistle	Engraving	5.00
	E. P. Clarke	Cotton batting	7.00
	Jno. C. Parker	Paper	62.00
	M. G. Copeland & Co.	Flags	461.04
26	Fred A. Schmidt	Lithographic paper	8.50
	H. M. Knowles	Repairs United States telegraph line.	184.50
30	C. C. Hayman	Services	5.00
	R. C. Goffin	do	9.00
	Edwd. Mimms	do	7.50
	W. W. Best	do	2.50
	A. M. Adie	do	19.50
	E. F. Weihe	do	18.00
	A. T. Burrows	Traveling expenses	6.25
	C. E. Pauley	do	23.95
	J. W. Bauer	Office expenses	.55
	L. M. Pindell	do	2.40
	W. M. Wilson	do	7.22
	W. M. Fulton	do	5.55
	J. W. Smith	do	11.55
	I. M. Cline	do	7.50
	Chicago and Great Western Rwy. Co.	Passenger transportation	26.15
	Union Pacific R. R. Co.	do	17.00
	do	do	92.00
	Duluth, South Shore and Atlantic Rwy. Co.	do	3.35
	Burlington and Missouri River R. R. in Nebraska.	do	17.00
	New York Central and Hudson River R. R. Co.	do	3.10
	Louisville, Evansville and St. Louis Consolidated R. R. Co.	do	11.75
	Delaware and Hudson Canal Co.	do	2.64
	West Virginia Central and Pittsburg Rwy. Co.	do	3.40
	Richmond, Fredericksburg and Potomac R. R. Co.	do	3.50
	Southern Pacific Co.	do	52.85
	Catherine Wilson	Office rent	140.82
	Society for Savings in City of Chicago	do	285.00
	A. P. Eagleston	do	65.00
	E. S. Levy	do	150.00
	Chamber of Commerce Building Co.	do	75.21
	F. D. Miracle	do	105.00
	Central Investment Co.	do	163.75

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899, Jan. 30	Mill Valley, Mount Talmalpars Scenic Rwy.	Office rent.....	\$117.83
	Salt Lake Board of Trade	do	100.00
	H. H. Taylor, agent, Mills Building	do	322.50
	American Surety Co. of New York	do	729.17
	Amarillo Improvement Co	do	50.00
	H. J. Arnold	Erecting river gauge	12.00
	Alex. W. Maas	Cases, etc	184.00
	American Type Founders Co	Casting rollers	2.55
	J. J. Paquette	Burner cones	4.70
	A. P. Langzettel	Repairing dock	1.50
	D. R. Martin	Flagstaff, etc	22.50
	Wm. Coyner	Instrument shelter	110.00
	Wm. Debolt	Repairing river gauge	17.00
	California Ink Co	Recasting press rollers	1.95
	F. J. Marklin	Repairing roof, etc	17.50
	W. F. Paine	Painting signs	3.00
	Wm. Houtz	Making shelves	7.80
	Knapp Bros	Recasting press roller	3.00
	J. B. Bateman	Hauling	3.50
	W. H. Brown	do	1.50
	W. H. H. Smith	do .....	.75
	Jno. P. Glynn	do	1.00
	McCormick & Bates	do	1.50
	Geo. P. Howard	do	2.75
	O. J. Glenn	Drayage	4.75
	The Martin Strelan Co	do	1.50
	Parkersburg Transfer Co	Services	2.50
	M. B. Boone	Washing towels	3.00
	Hubinger & Schmidt	do	3.00
	Silver State Towel Supply Co	do	2.25
	Towel Delivery Co	do	4.50
	Salt Lake Towel Supply Co	do	1.50
	Dora Moyen	do	6.00
	Frank Golart	Services	16.25
	C. F. Jones	do	2.50
	C. H. Foster	do	2.50
	C. C. Rudolph	Printing monthly reports	63.00
	E. D. Beattie	do	36.00
	C. M. Olsen	Services	4.00
	R. Hinton	do	35.00
	Peleg Brown	Use of team	4.00
	H. M. Caswell	do	3.00
	J. J. Veeder	Services	15.00
	A. A. Bolles	Carting	9.00
	Brush Electric Light and Power Co	Electric current	15.00
	Brush Electric Co. of Baltimore	do	15.00
	J. A. Barnes	Coal	82.50
	Brush Electric Co. of Baltimore	Electric light	9.00
	Columbia Water and Light Co	do	2.60
	Commercial Water and Light Co	do	1.25
	Minnesota International Electric Co	do	15.00
	Raleigh Electric Co	do	4.94
	Simon Nusbaum, postmaster	Post-office box	1.50
	M. W. Marrow, postmaster	do	2.00
	Isador Sobel, postmaster	do .....	.50
	Galveston Gas Co	Gas	8.40
	New Orleans Gaslight Co	do	19.52
	Raleigh Gas Co	do	10.60
	Milwaukee Gaslight Co	do	15.76
	People's Gaslight and Coke Co	do	8.40
	Nashville Gaslight Co	do	12.93
	F. J. O'Dwyer	Gasoline .....	.63
	D. Stormont	Poles	72.50
	J. M. Winslow	Postage stamps	4.00
	H. L. Guion	Use ground	2.50
	American Type Founders Co	Type	1.03
	Union Ice Co	Ice	9.30
	Texas Lamp and Oil Co	Benzine	1.60
	Burckhardt & Rice	Paper	1.25
	California Ink Co	Ink	1.75
	Southern Bell Telephone and Telegraph Co	Telephone service	20.00
	do	do	7.50
	do	do	10.00
	Southwestern Telegraph and Telephone Co.	do	12.00
	Northwestern Telephone Exchange Co	do	18.00
	do	do	18.00
	Smithfield Telephone Co	do	4.60
	do	do	4.40

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899. Jan. 30	Alabama and Georgia Long Distance Telephone Co.	Telephone service.....	\$13.00
	East Tennessee Telephone Co.....	do.....	15.80
	Jackson & Rich Square Telephone Co.....	do.....	31.60
	Miami Telephone Co.....	do.....	21.00
	Nebraska Telephone Co.....	do.....	64.75
	Iowa Telephone Co.....	do.....	2.60
	do.....	do.....	4.60
	Parr Telephone Co.....	do.....	6.00
	Hudson River Telephone Co.....	do.....	15.00
	Michigan Telephone Co.....	do.....	51.00
	Missouri and Kansas Telephone Co.....	do.....	9.00
	Central District and Printing Telegraph Co.	Telegraph service.....	9.00
	Sunset Telephone and Telegraph Co.....	Telephone service.....	15.00
	Black Hills Telegraph and Telephone Co.....	do.....	21.00
	Michigan Telephone Co.....	do.....	9.00
	Raleigh Telephone Exchange.....	do.....	10.00
	Cleveland Telephone Co.....	do.....	18.00
	New York Telephone Co.....	do.....	60.00
	Pacific Telephone and Telegraph Co.....	do.....	25.50
	Geo. W. Finch.....	do.....	2.60
	Philadelphia, Reading and Pottsville Telegraph Co.	Telegraph service.....	8.47
	Jacksonville and St. Johns Bar Telegraph Line.	do.....	7.75
	Pittsboro and Moncure Telegraph Line.....	do.....	7.70
	Eastern R. R. Co. of Minnesota.....	do.....	7.60
	Fort Worth and Denver City Rwy. Co.....	do.....	28.60
	Chicago, Burlington and Northern R. R. Co.	do.....	2.94
	New England Telephone and Telegraph Co.....	do.....	2.80
	do.....	do.....	2.50
	International Ocean Telegraph Co.....	do.....	154.12
	Carolina Midland Rwy. Co.....	do.....	5.60
	Corvallis and Eastern R. R. Co.....	do.....	2.40
	American Type Founders Co.....	Type.....	31.68
	Julien P. Friez.....	Supplies.....	6.2
	Washburn & Moen Manufacturing Co.....	Wire.....	16.53
	Nathan Rhine.....	Book rack, etc.....	3.50
	Louis Wood.....	Nail puller.....	2.55
	J. L. Gethins.....	Zincs, etc.....	12.40
	Boise Furniture Co.....	Wardrobe, etc.....	11.00
	J. F. W. Dorman Co.....	Rubber stamps.....	1.56
	Friedenwald Co.....	Paper.....	269.33
	Blakely Printing Co.....	Supplies.....	3.50
31	Pay roll, Wood's Hole, Mass.	Substation, salaries.....	60.00
	Rosette L. Haly.....	Services.....	37.50
	Buel Chidester.....	do.....	9.00
	Felix Gomez.....	do.....	63.00
	Maggie Hatt.....	do.....	6.00
	Dacota Central Telephone Line.....	Telephone services.....	90.45
	Jno. P. Church et al.....	Salaries, printing office.....	2,554.69
	W. F. R. Phillips et al.....	Salaries, climatology.....	266.70
	The White, Corbin & Co.....	Envelopes.....	139.75
	Chas. Cooper & Co.....	Anhydrous ammonia.....	5.00
	The White, Corbin & Co.....	Envelopes.....	11.82
	F. G. Grambs.....	Hammer, etc.....	5.35
	W. P. Mills.....	Stove, oil, etc.....	23.80
	Smith Premier Typewriter Co.....	Repairing typewriter.....	3.50
	J. S. Stahl & Co.....	Repairing caligraph.....	5.00
	Pacific Telephone and Telegraph Co.....	Repairing telegraph line.....	22.27
	Western Union Telegraph Co.....	do.....	155.83
	B. W. Waggoner.....	Printing crop bulletin.....	1.50
	Stephen J. Scoville.....	Hauling.....	6.00
	B. W. Waggoner.....	Printing crop bulletin.....	19.50
	E. A. Hughes.....	Electric current.....	9.00
	Excelsior Electric Co.....	do.....	1.05
	Electric Light Co. of Atlantic City.....	do.....	15.36
	Milwaukee Electric Rwy. and Light Co.....	do.....	14.92
	Key West Electric Co.....	do.....	2.00
	Merchants' and Manufacturers' Electric Light, Heat, and Power Co.	do.....	5.00
	Thalman Printing Ink Co.....	Ink.....	.40
	D. A. Oliver.....	Mirror.....	1.75
	T. G. Blaisdell.....	Water.....	9.00
	Bismarck Water Supply Co.....	do.....	11.00
	J. H. Crawford.....	Ground rent.....	4.00
	Henry Bolton.....	Office rent.....	52.84
	First National Bank, Portland, Me.....	do.....	126.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899. Feb. 1	Peter Belcher, agent	Office rent	\$83.66
	Geo. S. Waite	do	119.82
	A. Lone	Services	15.33
	do	do	10.00
	W. M. Dorr	do	30.00
	D. D. Booze	do	2.50
	D. Cosby	do	1.50
	E. R. Demain	Office expenses	2.60
	H. W. Grasse	do	2.75
	E. L. Douglas	Traveling expenses	3.00
Pay roll, New York, N. Y.	Substation, salaries	65.00	
Pay roll, Portland, Me.	do	60.00	
Grand Trunk Rwy. System	Passenger transportation	1.42	
Pennsylvania Co.	do	58.75	
Northern Central Rwy. Co.	do	3.74	
Missouri Pacific Rwy. Co.	do	39.80	
Louisville, Evansville and St. Louis Consolidated R. R.	do	8.00	
Maricopa, Phoenix and Salt River Valley R. R. Co.	do	4.20	
Jno. Clarke	Telegraph service	8.30	
Little Northern Telegraph Co.	do	12.50	
Winton Telegraph Co.	do	7.90	
J. A. Fox	do	6.00	
New York and Pennsylvania Telephone and Telegraph Co.	Telephone service	9.50	
Southern Bell Telephone and Telegraph Co.	do	17.50	
East Tennessee Telephone Co.	do	9.00	
Alabama and Georgia Long Distance Telephone Co.	do	15.70	
Cumberland Telephone and Telegraph Co.	do	30.80	
Barron County Telephone Co.	do	15.00	
Iowa Telephone Co.	do	2.70	
2	Hoke Engraving Plate Co.	Recoating plates	70.65
	do	do	84.20
	H. C. Hotfilter	Repairing clocks	2.50
	J. H. Fuller	Repairing river gauge	12.00
	Payne & Willingham	Drayage	1.00
	D. R. Crosby	Service	6.00
	Joseph Morse	Use of horse	1.00
	A. B. Dure & Co.	Service and material	9.00
	Addressograph Co.	Supplies for printing office	8.00
	W. H. Kenear	Use of team	2.40
L. Naegele & Sons	Printing report	25.00	
Wisconsin Telephone Co.	Telephone service	18.75	
Southern Bell Telephone and Telegraph Co.	do	15.00	
Richmond Chamber of Commerce	Office rent	145.00	
Blake McFall Co.	Paper	8.00	
Frank Ridgway	Office expenses	2.50	
Geo. S. Waldo	do	10.70	
Alex. G. Burns	do .....	.35
J. M. Sherier	do	2.55	
Alex. G. McAdie	do	2.75	
A. E. Hackett	do	6.01	
W. S. Currier	do	3.25	
H. B. Boyer	do	9.82	
E. H. Emery	do	7.31	
do	do	2.00	
Wayland Bailey	do	1.75	
Pay roll, Jacksonville, Ga.	Substation, salaries	80.00	
Fred'k Springmann	Transportation	18.00	
H. E. Overstreet	do .....	.37
Louisville, Evansville and St. Louis Consolidated R. R.	do .....	.25
Southern Pacific Co.	do	7.06	
Missouri, Kansas and Texas Rwy. Co.	do	7.41	
do	do .....	.54
Vandalia Line	do	7.72	
do	do .....	.85
3	E. B. Richards	Office expenses	21.30
	R. L. Anderson	do	2.01
	L. H. Murdock	Traveling expenses	25.05
	T. S. Collins	do	2.25
	J. P. Slaughter	Office expenses50
	M. B. DeVane	do50
	J. W. Smith	do	2.05
	Chas. S. von Herrmann	do	4.90
	R. J. Hyatt	do75

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 3	C. J. Oyler	Services	\$0.75
	Pay roll, Mobile, Ala.	Substation, salaries	81.00
6	Alvin T. Burrows	Traveling expenses	36.75
	Fred'k Springmann	Transportation	30.71
7	Hoke Engraving Plate Co	Supplies	37.89
	do	do	29.38
	Addressograph Co.	do	10.00
	The White, Corbin & Co.	Envelopes	703.32
	do	do	336.37
	The Werner Co.	Maps	7.75
	Eimer & Amend	Tube	4.75
	Monarch Manufacturing Co.	Liquid gum	189.00
	Wyckoff, Seamans & Benedict	Repairing typewriter	12.40
	J. B. Lutterloh	Erecting flagstaff	12.00
	Hoke Engraving Plate Co.	Recoating plates	75.00
	Hoke Engraving Plate Co.	do	77.95
	do	do	62.50
	Robt. A. Goffin	Repairing telegraph line	10.00
	Chas. Darden	Laying carpet	5.00
	Sandusky Electric Light Co.	Electric light	12.48
	The J. F. W. Dorman Co.	Type	19.50
	Emile Kiene	Stamps	1.45
	E. C. Palmer & Co., Limited	Paper	8.00
	Ontario Telephone Co.	Telephone service	7.50
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	Passenger transportation	6.60
	Pay roll, New York, N. Y.	Substation, salaries	65.00
8	Milbridge and Cherryfield Telegraph Co.	Telegraph service	15.50
	Jacksonville and St. Johns Bar Telegraph Line	do	7.50
	J. T. Harper	do	18.85
	Great Northwestern Telegraph Co. of Canada	do	320.38
	Philadelphia, Reading and Pottsville Telegraph Co.	do	9.60
	Chicago, Burlington and Northern R. R. Co.	do	3.11
	Deseret Telegraph Co.	do	107.80
	Corvallis and Eastern R. R. Co.	do	2.60
	Carolina Midland Rwy. Co.	do	5.00
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do	20.54
	Enterprise Telegraph Co.	do	7.80
	Fort Worth and Denver City Rwy. Co.	do	27.00
	Put in Bay Telegraph Co.	do	21.12
	Ohio River Telephone Line	Telephone service	8.40
	Aurora and Friendship Telephone Line	do	2.80
	Cumberland Telephone and Telegraph Co.	do	28.00
	Bell Telephone Co. of Buffalo	do	4.95
	Ohio River Telephone Line	do	7.80
	Aurora and Friendship Telephone Line	do	2.60
	J. M. Small	Services and materials	5.10
	Ed. Thurston, sr.	do	10.00
	Martin Lawson	Repairing telegraph line	20.00
	Timothy Collins	do	6.00
	J. H. March	Laying carpet, etc.	3.64
	D. C. Kelley	do	4.50
	Ed. Drinkwater	Repairing telegraph line	6.25
	F. M. Long	Services	4.50
	T. H. Brigg & Sons	Fire-pot linings	2.80
	The J. F. W. Dorman Co.	Rubber stamps	5.55
	do	do	1.35
	Barnhart Bros. & Spindler	Supplies	4.17
	Alpena Electric Light Co.	Electric light	6.00
	W. H. Gussie	Gas	11.40
	St. Louis and San Francisco R. R. Co.	Passenger transportation	5.20
	Illinois Central R. R. Co.	do	9.10
	Pennsylvania R. R. Co.	do	14.50
	Missouri Pacific Rwy. Co.	do	7.50
	Louisville and Nashville R. R. Co.	do	10.00
	Cincinnati, Hamilton and Dayton Rwy. Co.	do	6.00
	Kansas City, St. Joseph and Council Bluffs R. R. Co.	do	4.00
	Central Vermont R. R.	do	3.55
	H. E. Wadsworth	Telegraph service	73.43
	Baltimore and Ohio R. R.	Passenger transportation	35.00
9	F. A. Carpenter	Office expenses	.50
	Orin Parker	do	10.35
	J. B. Marbury	do	8.55
	W. M. Dudley	do	2.25

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 9	F. H. Brandenburg	Office expenses	\$1.00
	A. J. Davis	Traveling expenses	6.45
	Geo. E. Lawton	do	22.30
	L. A. Denson	do	15.95
10	American Type Founders' Co.	Type	49.77
	do	Supplies for printing office	7.06
	T. A. Slattery	Wooden block	.75
	White Hardware Co	do	1.25
	W. P. Mills	Rug, etc	13.25
	Hall, Headington & Co.	Carpet	199.49
	J. P. Freiz	Anemometers	675.00
	T. W. Ruete	Ink, mucilage, etc.	6.60
	"Science"	Publications	23.75
	Ed. de Groff	Coal	35.00
	Chas. Williams	Cord wood	40.00
	Elkins Furniture and Hardware Co	Furniture	49.00
	P. H. Cheney & Son	Electric light	4.60
	Consolidated Electric Light Co. of Maine	do	10.00
	Eastern Rwy. Co	Telegraph service	2.60
	Southern Bell Telephone and Telegraph Co	do	7.30
	Northern Telegraph Co	do	15.40
	Sunset Telephone and Telegraph Co	Telephone service	15.00
	Empire State Telephone and Telegraph Co	do	15.00
	Michigan Telephone Co	do	56.25
	Staunton Mutual Telegraph Co.	do	37.50
	W. H. Holmes	do	6.00
	Cumberland Telephone and Telegraph Co.	do	128.00
	do	do	23.85
	Bell Telephone Co. of Missouri	do	16.25
	New England Telephone and Telegraph Co	do	12.00
	Southern Bell Telephone and Telegraph Co	do	7.50
	Walter Scott & Co	Services and material	169.07
	Frank R. May	do	160.98
	Jas. Barr	Repairs to flagstaff	10.00
	The Courier Co.	Recasting rollers	1.50
	Da Costa Printing Co.	Printing Crop Bulletins	20.25
	E. M. Bowman	Drayage	1.25
	Pacific Express Co	Transportation	6.40
	Omaha and St. Louis R. R. Co	Passenger transportation	11.50
	Vicksburg, Shreveport and Pacific R. R. Co	do	5.65
	Missouri, Kansas & Texas Rwy. Co	do	23.80
	Union Pacific R. R. Co.	do	34.35
	Denver, Leadville and Gunnison Rwy. Co	do	6.00
	Oregon Short Line R. R. Co	do	13.37
	Chicago, Burlington and Northern R. R. Co	do	9.86
	Chicago, Indianapolis and Louisville Rwy. Co.	do	8.00
17	Fred'k Springmann	Transportation	19.60
18	The Maurice Joyce Engraving Co	Electrotype plates for printing office.	3.52
	do	Logotypes	98.15
	do	Electrotype plates	9.59
	Geo. F. Muth & Co	Turpentine	19.61
	do	Ink, oil, etc	23.05
	W. C. Newton & Co	Brass rule for printing office	8.00
	W. B. Moses & Sons	Rugs	75.75
	Jas. B. Lambie	Excelsior, etc.	39.73
	do	Belt lacing for printing office	1.00
	Wyckoff, Seamans & Benedict	Repairs to typewriter	7.50
	R. Carter Ballantyne	Files	54.84
	J. E. Turton	Supports	236.00
	J. R. Buckelew	Paper	22.50
	M. G. Copeland & Co.	Flags	306.00
	J. E. Entwistle	Engraving chart	5.00
	Mackall Bros	Matches	17.70
	Jno. C. Parker	Paper	1,102.75
	do	do	93.78
	do	do	25.40
	do	Pads	31.50
	do	Paper	57.00
	J. C. Ergood Co	Soap	50.79
	do	Sapolio	10.50
	do	Files	9.83
20	F. P. May & Co	Telegraph service	12,415.92
	Western Union Telegraph Co.	Casting rollers	2.70
	Elsie Roller Composition Co.	Oil	1.50
	H. L. Pittock	"Gravers," etc	4.75
	Hoke Engraving Plate Co	Recoating plates	26.50
	do	do	12.50
	do	do	150.00
	W. M. Randall	Use of steamer Susie D.	150.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 20	W. R. Eckert	Instrumental equipment	\$15.00
	American Type Founders Co.	Type	20.66
	do	Type, printing office	27.78
	Hall, Headington & Co.	Carpets, etc.	86.35
	Geo. Meier & Co.	Lithographic ink	33.20
	Seth Thomas Clock Co.	Clocks	73.20
	J. H. Bunnell & Co.	Supplies	76.50
	Pacific States Type Foundry	Brass rule	.90
	C. A. Johnson	Water cooler	4.90
	E. C. Palmer & Co., Limited	Type, etc.	1.77
	D. M. Blair	Services	4.00
	A. L. Foster	do	10.00
	Jno. M. Rutherford	do	10.00
	H. A. Poole	Use of team	10.00
	Safety Bottle and Ink Co.	Ink	10.20
	Fred Albright	Use of horse	4.00
	E. E. Mayhew & Co.	Repairs to telegraph line	4.80
	Pacific Telephone and Telegraph Co.	Telephone service	2.00
	Alabama, Mississippi and Tennessee Tele- phone Co.	do	12.30
	New York Union Telegraph Co.	Telegraph service	7.80
	Chesterfield Telephone and Telegraph Co.	do	7.70
	A. J. Mitchell	Office expenses	10.35
	Robt. G. Allen	do	2.70
	O. D. Stewart	do	12.95
	Geo. P. Wurtz	do	.95
	Eliza L. Renoe	do	7.75
	F. P. Chaffee	do	1.30
	E. L. Douglas	Traveling expenses	2.00
	Max Wagner	do	6.75
	Geo. E. Grimes	do	10.00
	R. G. Coffin	Services	9.00
	W. H. Childs	do	1.00
	D. F. Webber	do	1.00
	F. E. Boston	do	1.00
	D. F. Thompson	do	1.00
	Baltimore and Ohio R. R. Co.	Passenger transportation	4.55
	Oregon R. R. and Navigation Co.	do	6.45
	Chicago, Burlington and Quincy R. R. Co.	do	11.77
	Missouri, Kansas and Texas Rwy. Co.	do	23.80
	Lake Shore and Michigan Southern Rwy. Co.	do	12.75
	St. Louis and San Francisco R. R. Co.	do	38.50
21	Geo. L. Ferrin	Office expenses	3.00
	L. A. Denson	do	4.75
	L. H. Daingerfield	do	1.00
	S. M. Blandford	do	1.80
	Edwd. L. Wells	Traveling expenses	17.65
	Bell Telephone Co. of Buffalo	Telephone service	1.10
	International Ocean Telegraph Co.	Telephone service	153.26
	Philadelphia, Reading and Pottsville Tele- graph Co.	do	9.83
23	St. Louis, Keokuk and Northwestern R. R. Co.	Passenger transportation	5.95
	Atchison, Topeka and Santa Fé Rwy. Co.	do	28.55
	do	do	10.15
	American Type Founders Co.	Type	14.10
	E. D. Beattie	Printing report	36.00
	G. W. Albright	Repairing telegraph line	2.00
	Fred Albright	Use of horse	5.00
	Corvallis and Eastern R. R. Co.	Telephone service	2.60
	Alabama and Georgia Long Distance Tele- phone Co.	Telephone service	15.60
	Jno. F. Nichols	Traveling expenses	11.25
	G. H. Noyes	do	8.00
	H. E. Smith	Office expenses	6.95
	W. J. Reed	do	1.75
	Wayland Bailey	do	1.00
24	L. H. Murdoch	do	3.40
25	Rudolph, West & Co.	Brass screws	9.07
	do	Pitcher and bowl	18.40
	J. E. Turton	Instrument shelters	70.00
	Wm. Ballantyne & Sons	Supplies for stations	88.90
	Fred A. Schmidt	Crayons	2.70
	Easton & Rupp	Mucilage	32.25
	Postal Telegraph Cable Co.	Telegraph service	.60
	United States Express Co.	Transportation	49.45
	Southern Rwy. Co.	Passenger transportation	22.65
	W. H. Butler	Supplies	.66
	W. B. Moses & Sons	Linoleum	27.60

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 25	Standard Oil Co	Benzine for printing office	\$4.59
	Jas. B. Lambie	Halyards	12.00
	Willard Fracker	Supplies for printing office	10.61
	Belt & Dyer	Frames	9.60
	do	Sawdust	1.80
	The Maurice Joyce Engraving Co.	Electrotypes plates	65.78
	do	do	21.30
	Geo. F. Muth & Co.	Beeswax	1.50
	M. Du Perow	Wire fuse holders	.90
	do	Glass jars	16.00
	E. F. Tilden	Type	66.80
	do	Pads	45.00
	W. C. Newton & Co	Supplies	10.91
	do	Type	25.68
27	H. E. Overstreet	Transportation	.34
	do	do	.54
	do	do	.26
	Mobile and Birmingham R. R. Co.	do	1.04
	Mobile and Ohio R. R. Co.	do	.93
	Illinois Central R. R. Co.	do	.62
	do	do	1.47
	Texas Pacific Rwy. Co.	do	18.77
	do	do	7.10
	Burlington and Missouri River R. R. in Nebraska.	do	1.42
	do	do	17.50
	do	do	16.34
	Baltimore and Ohio Southwestern Rwy. Co.	do	2.99
	do	do	10.72
	do	do	19.75
	Southern Pacific Co.	do	1.00
	Vandalia Line	do	.58
	Wabash R. R. Co.	do	.85
	Star Union Line	do	3.24
	San Antonio and Aransas Pass Rwy	do	.75
	Seattle and Neah Bay Transportation Co.	do	3.28
	St. Louis and San Francisco R. R. Co.	do	5.75
	Missouri Pacific Rwy. Co.	do	2.21
	International Steamship Co.	do	1.94
	C. M. Olsen	do	3.78
28	W. F. R. Phillips et al	Salaries, climatology	246.60
	John P. Church et al	Salaries, printing office	2,519.75
Mar. 1	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	Passenger transportation	15.00
	Jno. P. Nawrath	Twine	38.55
	Johnson & Johnson	Coal and wood	11.50
	Ithaca Rubber Stamp Works	Stamps	3.60
	W. F. & Jno. Barnes Co.	Saw blades	6.44
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Telegraph service	1.41
	do	do	14.66
	T. E. Howe & Co.	Oil, etc.	.75
	Philadelphia Electrical Equipment Co., Incorporated.	Repairs and motor	6.85
	Neil Ferguson	Drayage	1.50
	Carlyle & Shott	Erection of instrument shelters	8.50
	F. L. Thompson	Repairs to telegraph line	10.00
	L. E. Stone	do	10.50
	C. S. Braisted	Penholders	18.48
2	Willis L. Moore	Traveling expenses	13.50
	do	do	61.17
3	Forsberg & Murray	Services	6.00
	S. P. Johnson	Typewriters	184.50
	Norfolk and Washington Steamboat Co.	Transportation	2.01
	United States Express Co.	do	21.50
	Louisville and Nashville R. R. Co.	do	2.61
	Missouri, Kansas and Texas Rwy. Co.	do	4.55
	Boston and Albany R. R. Co.	do	4.61
	Santa Fé, Prescott and Phoenix Rwy. Co.	do	12.56
	Southern Pacific Co.	do	2.28
	Lake Shore and Michigan Southern Rwy. Co.	do	.87
	Savannah, Florida and Western Rwy. Co.	do	14.22
	Achison, Topeka and Santa Fé Rwy. Co.	do	20.90
4	Chas. Carter	Cleaning Weather Bureau map at House of Representatives.	6.39
	Beverly Hudnell	do	6.39
6	T. B. Lamb & Co.	Running cable	8.00
	Claude L. Friel	Printing bulletins	6.00
	H. F. C. Schneider	Repairing clock	1.50

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 6	Edwin Krogh.....	Repairing telegraph line.....	\$19.00
	Jno. McLarty.....	do.....	25.00
	W. A. Richardson.....	do.....	25.00
	J. E. Miller.....	Cleaning clock.....	1.50
	Jas. M. Byrnes.....	Scales.....	2.50
	T. T. Balch.....	Stovepipe, etc.....	18.75
	Eliz. L. Renoe.....	Office expenses.....	3.00
8	Pay roll, Alpena, Mich.....	Substation, salaries.....	58.07
	L. A. Denson.....	Office expenses.....	2.65
	L. G. Schultz.....	do.....	15.00
	Geo. Reeder.....	do.....	5.50
	Albert Ashenberger.....	do.....	1.00
	Leon J. Guthrie.....	Traveling expenses.....	12.25
	Roscoe Nunn.....	do.....	6.62
	J. D. Blagden.....	do.....	14.45
	N. R. Taylor.....	do.....	12.00
	Danl. J. Herndon.....	do.....	6.50
	J. W. Halford.....	do.....	42.75
9	Hall, Headington & Co.....	Carpet.....	50.61
	Thos. H. Lawrence.....	Erection of instrument shelter.....	18.00
	L. A. Royal.....	Services and material.....	1.00
	Hoke Engraving Plate Co.....	Recoating plates.....	52.60
	do.....	do.....	83.90
	do.....	do.....	25.00
	do.....	do.....	50.00
	do.....	Supplies.....	52.97
	The J. F. W. Dorman Co.....	Rubber stamps.....	19.44
	do.....	do.....	4.32
	Crotty Bros.....	Ink, etc.....	6.56
	Central of Georgia Rwy. Co.....	Passenger transportation.....	5.73
	Baltimore and Ohio R. R. Co.....	do.....	7.95
	St. Louis and San Francisco R. R. Co.....	do.....	7.10
	R. F. Young.....	Office expenses.....	6.85
	W. H. Monroe.....	Traveling expenses.....	2.50
	Milbridge and Cherryfield Telegraph Co.....	Telegraph services.....	1.90
	Jacksonville and St. Johns Bar Telegraph Line.....	do.....	8.50
10	Isle of Wight Telephone and Telegraph Co.....	do.....	5.00
	Eliz. L. Renoe.....	Office expenses.....	3.50
	S. C. Emery.....	do.....	3.50
	W. G. Burns.....	do.....	3.25
16	A. Lone.....	Services.....	10.00
	Southern Rwy. Co.....	Passenger transportation.....	17.50
	Norfolk and Washington Steamboat Co.....	do.....	3.00
	Oregon Short Line R. R. Co.....	do.....	23.95
	Colorado Midland Rwy. Co.....	do.....	9.00
	Illinois Central R. R. Co.....	do.....	13.90
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.....	do.....	16.90
	Kansas City, Pittsburg and Gulf Rwy. Co.....	do.....	16.80
	Southern Railway Co.....	do.....	27.50
	Kansas City, Fort Scott and Memphis R. R. Co.....	do.....	24.05
	Pay roll, New York, N. Y.....	Substation, salaries.....	65.00
	Aurora and Friendship Telephone Line.....	Telephone services.....	2.60
	Ohio River Telephone Line.....	do.....	7.80
	Alabama and Georgia Long Distance Telephone Co.....	do.....	14.40
	Alabama, Mississippi and Tennessee Telephone Co.....	do.....	6.75
	Iowa Telephone Co.....	do.....	2.60
	South Western Telephone and Telegraph Co.....	do.....	6.00
	Postal Telegraph-Cable Co.....	Telegraph service.....	183.28
	do.....	do.....	194.66
	do.....	do.....	193.15
	do.....	do.....	197.77
	do.....	do.....	27.00
	Fort Worth and Denver City Rwy. Co.....	do.....	2.91
	Chicago, Burlington and Northern R. R. Co.....	do.....	193.35
	International Ocean Telegraph Co.....	do.....	14.00
	L. B. Britt.....	Services.....	20.00
	F. L. Thompson.....	do.....	15.00
	Robt. C. Butler.....	do.....	1.00
	Fredk. Bell.....	do.....	4.00
	D. M. Miller.....	do.....	10.00
	E. E. Peterson.....	Use of team.....	4.00
	H. Clarkson.....	Repairing telegraph line.....	4.00
	Lexington Transfer Co.....	Drayage.....	4.00
	A. B. Alter.....	Removing mud.....	1.00
	S. Spritz.....	Cleaning clock.....	1.50

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Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 16	Henry A. Poole	Use of team	\$15.00
	Frank Crippen	Repairing telegraph line	5.00
	E. E. Peterson	Use of team	15.00
	Victor E. Swansen	Cleaning clock	2.00
	W. R. Bunyard	Packing instrument shelters	1.25
	Thos. H. Smith	Repairing motor	30.00
	Robt. McAleer	Services and material	6.00
	Little Rock Edison Electric Light and Power Co.	do	11.10
	H. A. Carroll & Co	Repairs to bookcase	1.35
	Isaac Vogan	Repairs to telegraph line	10.00
	American Type Founders' Co	Supplies	3.90
	California Ink Co	do	4.10
	Yates & Co	Benzine	1.05
	The Okonite Co., Limited	Copper wire	99.05
	Julien P. Friez	Supplies	8.75
	do	Thermograph bulbs	170.00
	do	Brass castings, etc	17.15
	C. W. Percy	Supplies	.80
	E. J. Brooks & Co	Logotype	110.40
	Geo. Meier & Co	Supplies to printing office	10.25
	Peter Gray	Lanterns	39.00
	F. B. Berry	Brass rule	3.17
	The Post-Office Department	Maps	7.20
	Wm. Nordhoff	Main springs	8.25
	F. A. Schmidt	Measuring sticks, etc	67.74
	Broderick Bros.	Rags	14.00
	Bingham & Runge	Printing rollers	2.00
	Pounsford Stationery Co	Ink	4.65
	The Werner Co	Maps	56.89
	Chadwick Copying Book Co	Copying books	69.88
	Smith Pettit	River gauges	419.54
	Standard Oil Co	Benzine	4.51
	Duff Dodson	Type	18.38
17	Marquette City Light and Power Co	Electric light	7.50
	Hoke Engraving Plate Co	Recoating plates	41.05
	American Type Founders' Co	Type	24.69
	do	Type, printing office	18.02
	J. H. Thiemeyer	Boxes	80.50
	R. G. Cook	Services and materials	9.50
	C. O. Barrows	Caligraph	4.50
	C. H. Farley	Glass	2.32
	Sharp & Kearns	Copper trays	4.50
	H. C. Hansen	Logotypes	40.00
	John Creswell	Supplies	1.05
	do	Printing material	9.44
18	E. C. Palmer & Co., Limited	Brass rule	3.46
	The Maurice Joyce Engraving Co	Electrotype plates	21.78
	do	do	45.90
	W. C. Newton & Co.	Supplies	1.66
	do	Type	40.28
	do	Supplies	38.88
	do	do	8.22
	do	do	13.15
	do	Type, etc	25.53
	do	Supplies, printing office	19.30
	do	Type	23.97
	do	Supplies, printing office	7.98
	do	Linoleum	8.85
	Easton & Rupp	Paper, ink, etc	111.40
	Jas. B. Lambie	Supplies	6.75
	Rudolph, West & Co	Nails, screw-driver, etc	37.60
	Geo. F. Muth & Co	Plate glass	4.95
	Jno. C. Parker	Ink, etc	35.50
	do	Paper, printing office	62.14
	do	Cardboard	600.00
	J. R. Buckelew	Typewriter	94.50
	The J. C. Ergood Co	Flour	1.25
	Louis Hartig	Tacks	.90
	Thos. Somerville & Sons	Iron frames	7.50
	Belt & Dyer	Sawdust	1.80
	F. R. Beahan	Office expenses	2.50
	W. H. Hammon	do	2.15
	R. M. Hardinge	do	1.80
	Geo. F. von Ostermann	Traveling expenses	9.50
	W. B. Moses & Sons	Furniture	85.15
	R. C. Ballantyne	Pencils	41.25
	F. P. May & Co	Rules	2.94
20	Philadelphia, Reading and Pottsville Telegraph Co.	Telegraph service	9.78

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 20	Corvallis and Eastern R. R. Co	Telegraph service	\$2.30
	Alabama, Mississippi and Tennessee Tele- phone Co.	Telephone service	5.75
	J. P. Fallihee	Office expenses	1.20
	L. G. Schultz	Traveling expenses	3.25
	Choctaw, Oklahoma and Gulf R. R. Co.	Passenger transportation	5.55
	Choctaw and Memphis R. R. Co	do	6.00
	R. Hinton	Lining for carpet	2.00
	Thos. J. Tillett	Oil	3.00
	R. B. Merrill	Ice	2.50
	Mutual Ice Delivery Co.	do	3.00
	Geo. L. Caldwell	Coal	12.50
	Daggett Printing Co.	Binding maps	3.00
	E. D. Beattie	Printing Crop Report	36.00
	D. Stormont	Repairing telegraph line	2.00
	L. E. Stone	do	24.50
	Western Union Telegraph Co.	do	38.50
	Wykoff, Seamans & Benedict	Repairing typewriter	9.00
	Eimer & Amend	Supplies	1.30
	J. G. Biddle	Map circling machines	12.60
	National Automatic Fire Alarm Co. of Louisiana.	Battery jars .....	.90
	Reading Paper Mill	Paper	75.00
	Jno. W. Graham	Ink, mucilage	6.30
21	Atlantic Coast R. R. Co. of South Caro- lina.	Transportation	4.00
	Jno. T. Myers	Services	11.29
	W. E. Donaldson	Traveling expenses	29.72
	A. G. McAdie	Office expenses	1.66
	C. W. Ling	do	1.50
	H. E. Wilkinson	do	1.50
	St. Louis, Keokuk and Northwestern R. R. Co.	Transportation .....	.27
	Cape Fear and Yadkin Valley Rwy. Co.	do	3.92
	Plant Steamship Line	do	3.11
	Baltimore and Ohio Southwestern Rwy. Co.	do .....	.81
	International and Great Northern R. R. Co.	do	1.86
	do	do	11.21
	St. Louis Southwestern Rwy. Co.	do	8.52
	Toledo, St. Louis and Kansas City Rwy. Co.	do .....	.93
	Wabash R. R. Co.	do	6.22
	Astoria and Columbia River R. R. Co.	do .....	.75
	do	do .....	.50
	New York Central and Hudson River R. R. Co.	do	1.57
	Star Union Line	do	2.99
	Louisville and Nashville R. R. Co.	do	21.90
	Seattle and Neah Bay Transportation Co.	do	8.36
	Baltimore and Ohio R. R. Co.	do .....	.71
	do	do	1.29
	do	do	1.66
	do	do	4.74
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do .....	.30
	Western Union Telegraph Co.	Telegraph service	3,086.84
	do	do	12,818.71
	do	do	13,442.80
	Eastern Rwy. Co. of Minnesota	do	2.70
	do	do	2.50
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do	16.46
	Jacksonville and St. Johns Ear Telegraph Line.	do	7.25
	Chicago, Burlington and Northern R. R. Co.	do	3.04
	Isle of Wight Telephone and Telegraph Co.	do	4.40
	Postal Telegraph-Cable Co.	do .....	.80
	N. B. Bradley et al	Telephone service	18.00
	American Bell Telephone Co.	Telephone rents	28.30
	Broderick Bros.	Rags	14.00
	E. Morrison Paper Co.	Ink	11.08
	Citizens' General Electric Co.	Electric current	15.00
	M. Feigle & Bro	Gum arabic	5.00
	Olof Alberts	Services	10.00
	S. M. Carter Drug Co.	Oil	1.00
	Claude M. Friel	Printing report	6.00
	Chas. W. Pugh	do	52.00
	H. A. Shusa	Repairs to clock	2.50
	E. Krogh	Services	8.00
	Hoke Engraving Plate Co.	do	65.00
23	Fredk. Springmann	Transportation	8.97

168 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 23	C. K. Judson	Pens	\$100.68
	M. Du Perow	Batteries, etc	991.50
	do	Switchboard	4.80
	Julien P. Friez	Supplies	494.90
	Hoke Engraving Plate Co	do	18.58
29	Newman Spranley Co., Limited	Supplies and services	1.25
	R. G. Cook	Erecting river bulletin board	35.00
	Thayer & Jackson Stationery Co	Twine, etc	19.50
	T. E. Howes & Co	Oil cans	1.00
	Peter Gray	Burners for lanterns	5.00
31	W. F. R. Phillips et al	Salaries, Climatology	266.50
	J. P. Church et al	Salaries, printing office	2,776.85
	Total third quarter		103,848.44
Apr. 1	A. J. Knight	Office rent	79.44
	E. J. Davenport	do	75.00
	Peter Sonna	do	120.00
	R. McLaughlin	do	150.00
	T. M. Jeffris & Co	do	100.00
	E. S. Hughes & Co	do	106.11
	Salt Lake Board of Trade	do	83.87
	A. C. Rackliffe	do	75.00
	Ella W. Daniels	do	75.00
	Benj. M. Jacobs	do	15.00
	O. J. Mairs	do	67.50
	Walla Walla Lodge, No. 56, I. O. O. F.	do	84.87
	Merrill Bliss & Co	do	25.00
	Peter Belcher, agt	do	83.66
	E. A. Jamieson	do	120.00
	T. B. Catron	do	105.00
	State Trust Co	do	87.50
	Isaac Bloch	do	77.50
	Indianapolis Gas Co	do	250.00
	B. D. Johnson	do	45.00
	Tyree & Wilkins, agents	do	67.50
	Farmers' Bank of Fresno	do	115.00
	Guaranty Building Co	do	126.19
	Fred Arnold	do	75.00
	Maggie French	do	74.20
	Edgar Harding	do	87.50
	O. B. Hart	do	24.00
	Chicago Auditorium Association	do	450.00
	Citizens' Bank of Norfolk, Va.	do	131.25
	C. M. Boucher	do	42.00
	Asher Marks, administrator	do	77.25
	New England Telegraph and Telephone Co.	Telegraph services	2.50
	Kelly's Island and Sandusky Cable Telegraph Co.	do	8.30
	Great Northwestern Telegraph Co. of Canada	do	162.84
	do	do	171.00
	Carolina Midland Rwy. Co.	do	5.40
	Fort Worth and Denver City Rwy. Co	do	24.10
	Postal Telegraph-Cable Co	do	202.38
	Southern Bell Telephone and Telegraph Co.	Telephone service	7.50
	do	do	3.00
	do	do	10.00
	Lynchburg Telephone Co	do	3.00
	Iowa Telephone Co	do	2.10
	Ohio River Telephone Line	do	6.90
	Aurora and Friendship Telephone Line	do	2.30
	Southern States Telephone Co	do	7.50
	Bell Telephone Co., of Buffalo	do	12.50
	Sunset Telephone and Telegraph Co	do	6.00
	do	do	6.00
	Missouri and Kansas Telephone Co	do	18.00
	Northwestern Telephone Exchange	do	9.00
	Santa Fé Electric Telephone Co.	do	6.00
	Pennsylvania Telephone Co.	do	21.00
	Inland Telephone and Telegraph Co.	do	9.00
	Southern New England Telephone Co.	do	31.00
	Ontario Telephone Co	do	7.50
	Empire State Telephone and Telegraph Co.	do	15.00
	Central Union Telephone Co	do	39.00
	Southern Rwy. Co	Passenger transportation	13.25
	do	do	13.25

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 1	Union Pacific R. R. Co.	Passenger transportation	\$30.00
	Texas Pacific R. R. Co.	do	15.30
	Missouri Pacific Rwy. Co.	do	7.50
	do	do	10.46
	Louisville, Evansville and St. Louis Consolidated R. R. Co.	do	3.75
	Atchison, Topeka and Santa Fé Rwy. Co.	do	6.15
	New York, New Haven and Hartford R. R. Co.	do	8.35
	Pay roll, Woods Holl, Mass	Substation, salaries	60.00
	Pay roll, New Haven, Conn	do	48.00
	Pay roll, Norfolk, Va	do	105.00
	H. G. Smith	Electrical work	30.00
	Wm. Lowe	Repairs to typewriter	2.50
	J. J. Veeder	Repairs to flagstaff	34.00
	City of Moorhead, Minn	Services and material	5.35
	Katie Collins	do	6.00
	Maggie Hall	do	6.77
	R. G. Goffin	do	9.00
	Alice M. Adie	do	19.50
	Louis Prior	do	9.00
	Chas. A. Blumner	do	15.00
	J. C. Entwistle	Engraving for printing office	5.00
	Amelia McLean	Washing towels	3.00
	P. C. Shaw	do	6.00
	F. L. Thompson	Repairing telegraph lines	20.00
	Fred Albright	Use horse	2.00
	F. J. Hart	Services	2.00
	Jas. Newcomen	Services laying down carpet	3.25
	Henry C. Smith	Services	1.00
	Knicht & Rosenkrans	Washing towels	1.50
	L. Naegele & Sons	Printing monthly reports	50.00
	Indianapolis Light and Power Co.	Electric current	18.00
	Consumers' Electric Light and Street R. R. Co.	do	5.00
	Guaranty Building Co	do	9.00
	Edwd. Hunter & Co	Linoleum	15.75
	Simon Nausbaum, postmaster	Post-office box	1.50
	Grant Rivenburg	Ice	2.25
	Thos. Boles	Storage	6.00
	R. Carter Ballentyne	Paper	876.35
	Chas. Wagner	Screen	6.50
	Hugh Reilly	Paint brushes	14.25
	W. B. Moses & Sons	Furniture	32.85
	W. C. Newton & Co.	Supplies	73.74
	do	do	156.22
	Belt & Dyer	Sawdust	2.10
	The Maurice Joyce Engraving Co.	Electrotype plates	25.55
3	St. Louis and San Francisco R. R. Co.	Transportation	11.77
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	4.90
	Kansas City, St. Joseph and Council Bluffs R. R. Co.	do	.24
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	.39
	do	do	3.79
	E. C. Cook	do	.25
	Denver and Rio Grande R. R. Co.	do	12.25
	Vandalla Line	do	1.61
	Missouri, Kansas and Texas Rwy. Co.	do	.54
	Plant Steamship Line	do	10.10
	Southern Pacific Co. (Atlantic System)	do	13.47
	do	do	7.01
	do	do	5.26
	St. Louis, Keokuk and Northwestern R. R. Co.	do	.32
	do	do	.47
6	Southwestern Telegraph and Telephone Co.	Telegraph services	15.00
	Columbia Telephone Co.	do	10.50
	Cumberland Telephone and Telegraph Co.	do	9.00
	Michigan Telephone Co.	do	6.00
	Independent Telephone and Telegraph Co.	do	18.00
	Chicago Telephone Co.	do	53.75
	Oregon Telephone and Telegraph Co.	Telegraph rents	22.50
	F. C. Hall	Traveling expenses	40.47
	W. T. Blythe	Office expenses	32.50
	S. S. Bassler	do	1.97
	Wayland Bailey	do	1.75
	E. H. Emery	do	5.65
	E. H. Nimmo	do	1.00
	Pacific Club	Rent of office	67.50

170 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 6	Orson Adams, jr.....	Rent of office.....	\$120.00
	P. H. Swearingen.....	do.....	48.00
	H. W. Styron.....	do.....	38.62
	Portland Trust Co. of Oregon.....	do.....	210.00
	The Gamble Desmond Co.....	do.....	100.00
	D. Horton.....	do.....	120.00
	Geo. E. Shaw.....	do.....	70.00
	Bunce & Hams.....	do.....	90.00
	Jos. A. Smith.....	do.....	90.00
	F. E. Warren Mercantile Co.....	do.....	91.90
	Pay roll, New York, N. Y.....	Substation, salaries.....	65.00
	Pay roll, Portland, Oreg.....	do.....	60.00
	do.....	do.....	75.00
	Pay roll, Shreveport, La.....	do.....	42.00
	F. J. Carter.....	Repairing typewriter.....	10.00
	O. H. Rieger.....	Repairing clock.....	2.50
	May Levy.....	Services, etc.....	12.50
	E. R. French.....	do.....	4.00
	Frank Anderson.....	do.....	7.50
	The J. K. Gill Co.....	Brooms, etc.....	14.00
	Jacob Weltener.....	Ink, etc.....	7.45
	Dowd & King.....	Droplight, etc.....	6.75
	Joshua Williams.....	Flagstaff, etc.....	17.10
	F. F. Gallaher.....	Repairs to flagstaff.....	25.86
	Citizens' Bank of Norfolk, Va.....	Window shades.....	7.38
	Joe B. Evans.....	Pigeonholes.....	7.60
	R. D. Willson.....	Stoves.....	25.00
	H. L. Pittcock.....	Electric current.....	18.00
	J. A. Barnes.....	Coal.....	16.50
	American Type Founders Co.....	Type.....	4.32
	Ben H. Doster.....	Oil.....	3.40
	Portland Gas Co.....	Gas.....	22.08
	McGrue & Powell.....	Boxes.....	3.00
8	Alex G. McAdie.....	Traveling expenses.....	32.45
	C. M. Beeson.....	Rent of office.....	97.41
11	E. Whitehurst.....	Services.....	12.00
	A. Lone.....	do.....	10.00
	Aaron Sargent.....	do.....	12.00
	Annie Reed.....	do.....	15.00
	W. T. Turbeville.....	do.....	15.00
	W. A. Johnson.....	do.....	30.00
	Zetta Higgins.....	do.....	30.00
	J. W. Branam.....	do.....	15.00
	J. W. Bauer.....	Office expenses.....	.75
	Willis Brooks.....	do.....	4.35
	J. H. Smith.....	Traveling expenses.....	7.10
	Chas. B. Bright.....	do.....	3.90
	Pacific Telephone and Telegraph Co.....	Telephone services.....	1.00
	Missouri and Kansas Telephone Co.....	do.....	18.00
	La Crosse Telephone Co.....	do.....	7.50
	Wisconsin Telephone Co.....	do.....	3.75
	Iowa Telephone Co.....	do.....	6.00
	Cumberland Telephone and Telegraph Co.....	do.....	10.00
	R. L. Lewis.....	do.....	15.75
	Nebraska Telephone Co.....	do.....	15.00
	Southwestern Telegraph and Telephone Co.....	Telephone rent.....	9.00
	Southern Bell Telephone and Telegraph Co.....	Telephone services.....	.75
	Bell Telephone Co. of Philadelphia, Pa.....	do.....	30.00
	Southern Bell Telephone and Telegraph Co.....	do.....	13.50
	City and Suburban Telegraph Association.....	do.....	20.00
	Delaware and Atlantic Telegraph and Telephone Co.....	do.....	12.00
	Home Telephone Co.....	Telephone rent.....	6.00
	Georgetown and Lanes Telegraph Co.....	Telegraph services.....	17.32
	Gardner Cable Co.....	do.....	8.70
	L. Mirelaz.....	Office rent.....	60.00
	H. H. Taylor, agent.....	do.....	322.50
	Fannie L. Keating.....	do.....	90.00
	Kate F. Coke.....	do.....	60.00
	Jno. L. McCague and W. L. McCague.....	do.....	125.00
	Albert Marty.....	do.....	165.00
	Marg't Parmentier.....	do.....	75.00
	Jno. Semer.....	do.....	114.00
	B. L. Williams.....	do.....	55.00
	Real Estate and Law Building.....	do.....	34.25
	Lorenzo Littlefield.....	do.....	64.99
	American Surety Co. of New York.....	do.....	625.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899, Apr. 11	Warfield & Dann.....	Office rent.....	\$75.00
	Chesapeake and Ohio Rwy Co.....	Passenger transportation.....	16.00
	Pennsylvania R. R. Co.....	do.....	18.00
	Oregon Short Line R. R. Co.....	do.....	1.50
	Pay roll, Wilmington, N. C.....	Substation salaries.....	72.00
	E. L. Page.....	Services.....	4.95
	E. D. Beattie.....	Printing report.....	36.00
	M. A. Graham.....	Washing towels.....	1.50
	American Toilet Supply Co.....	do.....	2.25
	Towel Delivery Co., Limited.....	do.....	4.50
	Salt Lake Transfer.....	Moving office.....	43.00
	Buffalo Gas Light Co.....	Gas.....	6.40
	Corpus Christi Electric Co.....	Electric light.....	6.00
	Chicago and Northwestern R. R. Co.....	Transportation.....	9.72
	do.....	do.....	5.46
	do.....	do.....	44.70
	Lake Shore and Michigan Southern Rwy. Co.....	do.....	.76
	Chicago, Burlington and Quincy R. R. Co.....	do.....	.84
	Fremont, Elkhorn and Missouri Valley R. R. Co.....	do.....	2.07
	H. E. Overstreet.....	do.....	.84
	Evansville and Terre Haute R. R. Co.....	do.....	1.65
	Baltimore and Ohio R. R. Co.....	do.....	62.67
	do.....	do.....	1.18
	Fort Worth and Denver City Rwy. Co.....	do.....	1.04
	Santa Fé, Prescott and Phoenix Rwy. Co.....	do.....	15.13
	Baltimore and Ohio Southwestern Rwy. Co.....	do.....	130.71
	Erie R. R. Co.....	do.....	3.02
	Southern Pacific Co. (Atlantic system).....	do.....	1.00
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	3.47
	do.....	do.....	1.65
	do.....	do.....	7.86
13	Standard Oil Co.....	Benzine for printing office.....	4.42
	Wm. Nordhoff.....	Magnifying glass.....	3.00
15	Mary Larner.....	Services.....	6.87
	E. J. Gifford.....	do.....	21.00
	Anna Faris.....	do.....	4.50
	E. F. Weihe.....	do.....	18.00
	C. P. Blackly.....	do.....	9.00
	C. P. Disney.....	do.....	7.00
	L. Rogers.....	do.....	15.00
	Pay roll, Fort Smith, Ark.....	Substation, salaries.....	39.00
	Pay roll, La Crosse, Wis.....	do.....	63.00
	Pay roll, Harrisburg, Pa.....	do.....	70.00
	Pay roll, Charleston, S. C.....	do.....	85.50
	Pay roll, Cairo, Ill.....	do.....	136.00
	Pay roll, New Orleans, La.....	do.....	84.00
	W. H. Monroe.....	Traveling expenses.....	25.80
	J. C. Hayden.....	do.....	4.50
	Geo. M. Chappel.....	Office expenses.....	1.00
	E. C. Vose.....	do.....	12.21
	L. N. Jesunofsky.....	do.....	.75
	P. Connor.....	do.....	6.85
	G. N. Wilson.....	do.....	.70
	U. G. Pursell.....	do.....	1.00
17	New York Telephone Co.....	Telephone service.....	60.00
	Southern Bell Telephone and Telegraph Co.....	do.....	15.00
	New York and Pennsylvania Telephone and Telegraph Co.....	do.....	21.00
	Hudson River Telephone Co.....	do.....	15.00
	Central District and Printing Telegraph Co.....	do.....	34.25
	W. T. Smith.....	do.....	12.00
	East Tennessee Telegraph Co.....	do.....	6.00
	The Cairo Telephone Co.....	do.....	5.00
	Geo. W. Finch.....	do.....	6.00
	Michigan Telephone Co.....	do.....	4.50
	do.....	do.....	9.00
	Southern Bell Telephone and Telegraph Co.....	do.....	10.00
	Northwestern Telephone Exchange Co.....	do.....	18.00
	Jas. S. Sebree.....	Office rent.....	36.00
	Colley & Wright.....	do.....	78.50
	Northwestern Mutual Life Insurance Co.....	do.....	100.00
	Wm. Chandler.....	do.....	84.00
	H. Overholser.....	do.....	127.50
	M. E. Conway.....	do.....	37.74
	Bank and Insurance Building Co.....	do.....	100.00

172 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 17	Estate of Isaac Eberly	Office rent	\$154.00
	Luke & Smith	do	75.00
	Chas. A. Hayman	Services	7.50
	Jas. Evans	do	9.00
	Ella Beahan	do	9.00
	Kate E. Reynolds	do	11.29
	E. E. Friday	do	21.00
	J. F. Beck	Washing towels	3.00
	Greater New York Toilet Supply Co	do	2.25
	L. Rodgers	Use horse and cart	30.00
	Fulton Transfer Co	Drayage	1.50
	Statesman Printing Co	Printing reports	115.00
	The Calvert Co	Ink and mucilage	4.35
	Model Grocery and Trading Co	Oil and matches	1.10
	American Type Founders Co	Type .....	.49
	C. B. Little	Water	11.00
	J. W. Benham	Wood	4.00
	Consolidated Gas Co	Gas	2.75
	Brush Electric Co., of Baltimore City	Electric light	9.00
	do	do	15.00
	Columbia Water and Light Co	do	2.10
	Thos. W. Pemberton	do	5.10
	Minneapolis International Electric Co	do	15.00
	American Type Founders Co	Recasting rollers	4.65
	D. Stormont	Repairing telegraph line	5.00
	C. F. Jones	do	2.50
	Ott. F. Heizer	Traveling expenses	14.75
	H. E. Wilkinson	do	40.85
	W. T. Blythe	Office expenses	4.25
	Pay roll, Augusta, Ga	Substations, salaries	10.00
	Pay roll, Atlanta, Ga	do	89.00
	Pay roll, New Orleans, La	do	52.50
	Pay roll, Narragansett Pier, R. I	do	90.00
	Pay roll, Little Rock, Ark	do	42.00
	Pay roll, Portland, Me	do	60.00
	Pay roll, Raleigh, N. C	do	83.00
	Pay roll, Savannah, Ga	do	66.00
	Pay roll, Montgomery, Ala	do	150.35
18	Pay roll, Pittsburg, Pa	do	315.75
	Pay roll, Baltimore, Md	do	45.00
	Pay roll, Boston, Mass	do	530.25
	Pay roll, Charleston, S. C	do	18.00
	Pay roll, Augusta, Ga	do	48.00
	Pay roll, Cincinnati, Ohio	do	97.75
	Pay roll, Mobile, Ala	do	81.00
	F. H. Clark	Office expenses	3.65
	W. W. Neifert	do	47.68
	R. J. Hyatt	do .....	.50
	E. H. Emery	do	2.25
	do	do	6.48
	J. W. Smith	do	11.25
	Thos. Crawford	Traveling expenses	16.00
	Southwestern Telegraph and Telephone Co	Telephone service	15.00
	Pan Telephone Co	do	6.00
	Southwestern Telegraph and Telephone Co	do	6.00
	Black Hills Telegraph and Telephone Co	do	21.00
	Duluth Telephone Co	do	15.00
	Chesapeake and Potomac Telephone Co	do	83.75
	The J. F. W. Dorman Co	Rubber stamps	22.14
	Geo. L. Alexander	Benzine, etc	7.50
	The White, Corbin & Co	Manila envelopes	378.82
	Chas. Cooper & Co	Anhydrous ammonia	5.00
	Eimer & Amend	Gas tubes, etc	6.00
	Jos. Gussenhoven	Office rent	120.00
	Mill Valley and Mount Tamalpais Scenic Rwy. Co	do	105.00
	Nashville Gas Light Co	Gas	9.06
	Peoples' Gas Light and Coke Co	do	7.00
	Cincinnati Electric Light and Power Co	Electric current	15.00
	Union Ice Co	Ice	8.90
	Dora Moyer	Washing towels and flags	6.00
	Bekins Van Line	Hauling .....	.75
	Robt. Little	do	1.25
	E. M. Bowman	do	2.00
	Charlie Lewis	Services	12.00
	A. H. Thompson	do	13.00
	B. F. Modisett	do	30.00
19	Galveston, Houston and Henderson R. R. Co	Passenger transportation	13.85
	Frank D. Miracle	Office rent	105.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 19	Cone & Kimball	Office rent	\$89.06
	First National Bank, Portland, Me	do	126.00
	Cumberland Telephone and Telegraph Co.	Telephone services	30.00
	Northwestern Telephone Exchange Co.	do	18.00
	Missouri and Kansas Telephone Co	do	9.00
	New England Telephone and Telegraph Co.	do	12.00
	Michigan Telephone Co	do	6.00
	Wisconsin Telephone Co	do	18.75
	Sunset Telephone and Telegraph Co.	do	15.00
	Henry J. Green	Thermometers	41.25
	Silver State Towel Supply Co	Towel supply	2.25
	New Orleans Gas Light Co	Gas supply	16.04
	Atlantic City Gas and Water Co	Gas	6.07
	Milwaukee Gas Light Co	do	20.95
	Raleigh Gas Co	do	10.60
	E. A. Hughes	Electric light	9.00
	Milwaukee Electric Rwy. and Light Co.	do	22.17
	Howard Transfer Co	Drayage	1.25
	American Type Founders Co	Type	21.15
	do	Type, printing office	5.87
	Geo. Meier & Co	Lithographic varnish, printing office	12.50
	The Okenite Co., Limited	Wire	100.00
	Barnhart Bros. & Spindler	Supplies and services	3.63
	Jno. W. Pope	Shelving	40.00
	W. H. Rencar	Team	4.80
	Cooper Bros	Services	1.00
20	Illinois Central R. R. Co.	Passenger transportation	20.95
	Missouri Pacific Rwy. Co	do	26.00
	do	do	3.00
	Louisville and Nashville R. R. Co	do	14.70
	Richmond, Fredericksburg and Potomac R. R. Co.	do	3.50
	Oregon R. R. and Navigation Co.	do	6.45
	do	do	12.88
	Chamber of Commerce Building Co	Office rent	75.21
	F. P. May & Co	Hook .....	.60
	Wyckoff, Seamans & Benedict	Cylinder	1.10
	R. P. Clarke	Millinet	3.57
	Paine Bros	Office rent	73.95
	Edwd. Mimms	Services	5.65
	Geo. S. Waite	Office rent	119.82
	T. M. House	Services, etc	15.00
	J. H. B. Wilder	do	40.00
	Macon Electric Co	do	5.00
	J. C. Entwistle	Engraving for printing office	5.00
	J. C. Hayden	Traveling expenses	12.00
	T. F. Townsend	do	2.25
	Jas. Berry	do	2.25
	W. S. Currier	Office expenses	2.25
	D. P. McCallum	do .....	.55
	N. B. Conger	do	2.85
	Alex. G. Burns	do	2.75
	East Tennessee Telephone Co	Telephone service	10.00
	Pittsboro and Moncure Telegraph Line	Telegraph service	7.70
	Bell Telephone Co. of Missouri	Telephone service	16.25
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Telegraph service	13.69
	International Ocean Telegraph Co	do	264.10
	Great Northwestern Telegraph Co. of Canada	do	141.07
	Chicago and Northwestern Rwy. Co.	Transportation	42.76
21	Horace E. Smith	Office expenses	4.25
	H. C. Bate	do	5.90
	R. L. Anderson	do	4.05
	Pay roll, Parkersburg, W. Va.	Substation, salaries	191.00
	Pay roll, St. Louis, Mo	do	130.25
	The Maurice Joyce Engraving Co	Supplies for printing office	34.56
	J. C. Parker	Paper	98.81
	do	Letterpresses	60.00
	Thos. Somerville & Sons	Pipe	7.66
	Rudolph, West & Co	Halyards	8.80
	Mackall Bros	Lye, soap, and sponges	112.61
	do	Glycerin	1.75
	F. A. Tschiffely, jr	Bottles	1.30
	do	Wood alcohol	8.50
	Z. D. Gilman	Acid	2.94
	L. E. Bradford	Services	20.00
	F. G. Blaisdell	Water	9.00
	Consumers' Ice Co	Ice	3.85

174 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 21	Raleigh Electric Co	Electric current	\$4.50
	Lincoln Traction Co	do	13.50
	F. A. Nourse	Oil	1.25
	The Friedenwald Co	Wrappers	690.00
	Postal Telegraph Cable Co	Telegraph service	193.34
	Isle of Wight Telephone and Telegraph Co.	do	4.20
	Little Northern Telegraph Co	do	2.08
	W. H. Holmes	do	6.00
	J. T. Harper	do	20.64
	Jacksonville and St. Johns Bar Telegraph Line.	do	7.50
	Alabama, Mississippi, and Tennessee Telephone Co.	Telephone service	7.00
	Jackson & Rich Square Telephone Co	do	30.80
	Iowa Telephone Co	do	2.80
	East Tennessee Telephone Co	do	9.00
	Peoples' Telephone and Telegraph Co	do	7.50
	Woodford Telephone Co	do	3.92
	Southern Bell Telephone and Telegraph Co.	do	8.25
	Eliza C. Crocker	Services	30.00
	Wm. Searle	do	9.03
	Buel Chidester	do	9.00
	Barden & Sheets	Repairing motor, etc	37.50
	C. C. Randolph	Printing monthly report	63.00
	Jno. P. Glynn	Drayage	1.50
	L. E. Stone	Services	22.75
	Statesman Printing Co	Printing summary	55.00
	L. Naegele & Sons	Printing report	25.00
	First National Bank of Moorhead, Minn.	Office rent	66.31
	Eliza E. Renoe	do	100.00
	Amarillo Improvement Co	do	50.00
	Central Investment Co	do	163.75
	A. P. Eagleston	do	65.00
	H. D. & F. H. Irish	do	59.32
	Continental National Bank	do	150.00
	Penn Mutual Life Insurance Co	do	81.25
	Adams Express Co	Transportation	76.20
	do	do	108.70
	do	do	56.75
	United States Express Co	do	15.90
23	G. Haas Hagen	Office expenses	1.60
	W. M. Fulton	do	4.30
	C. F. R. Wappenhaus	do	4.96
	H. B. Dick	do	4.00
	C. F. Von Herrmann	do	5.95
	E. H. Emery	do	3.00
	Jas. F. Atherton	Traveling expenses	2.50
	Central R. R. Co. of New Jersey	Passenger transportation	12.50
	Nebraska Telephone Co	Telephone service	61.30
	Corvallis and Eastern R. R. Co	Telegraph service	2.70
	W. C. Newton & Co	Type, etc	129.37
	E. J. Lewis	Disks	2.00
28	Jno. C. Parker	Paper, ink, etc	1,593.13
	do	Cardboard	831.65
	Frank Springmann	Transportation	16.87
29	W. F. R. Phillips et al	Salaries, climatology	257.80
	Jno. P. Church et al	Salaries, printing office	2,491.12
	A. E. Clarke	Lamps .....	.80
	Schneider Bros	Aneroid cells	12.75
	The Pittsburg Reduction Co	Aluminum tubing, etc	21.46
	Jas. H. Callender	Vitriol	60.75
	Chas. E. Johnson & Co	Ink, printing office	15.00
	R. W. Clement	Services	10.10
	W. T. Blythe	Traveling expenses	6.55
	F. H. Brandenburg	Office expenses	2.00
	Uriah B. Dodge	Flagstaff	24.00
	Duff Dodson	Repairing printing press	3.00
	Edwards & Broughton	Casting rollers	3.41
	Fred Albright	Use of horse	1.00
	C. W. Friend	Repairing and cleaning clock	2.50
	W. H. Brown	Hauling .....	.35
	S. D. Austin	Services	15.00
	Atchison, Topeka and Santa Fé Rwy. Co	Passenger transportation	14.50
	The Richmond Chamber of Commerce	Office rent	145.00
	E. S. Levy	do	150.00
	Tacoma Chamber of Commerce	do	60.00
	Catherine Wilson	do	140.82
	Henry Bolton	do	52.84

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 1	Society for Savings in the City of Cleveland.	Office rent.....	\$285.00
	Winton Telegraph Co.....	Telegraph service.....	7.90
	Deseret Telegraph Co.....	do.....	100.20
	Chicago, Burlington and Northern R. R. Co.	do.....	3.26
	Eastern Tennessee Telephone Co.....	Telephone service.....	18.40
	Southwestern Telegraph and Telephone Co.	do.....	12.00
	Raleigh Telephone Exchange.....	do.....	7.50
	Dakota Central Telephone Lines.....	do.....	98.00
	Barron County Telephone Co.....	do.....	15.00
	Alabama and Georgia Long Distance Telephone Co.	do.....	16.20
	Cumberland Telephone and Telegraph Co.	do.....	27.20
	Pacific Telephone and Telegraph Co.....	do.....	25.50
	Iowa Telephone Co.....	do.....	34.50
	Northwestern Telephone Exchange Co.....	do.....	9.00
	J. B. Mattingly.....	do.....	6.00
	New York and Pennsylvania Telephone and Telegraph Co.	do.....	9.50
	Brush Electric Light and Power Co.....	Electric current.....	15.00
	The Electric Light Co. of Atlantic City.....	do.....	11.28
	O. C. G. Urban.....	do.....	1.00
	Merchants' and Manufacturers' Electric Light, Heat, and Power Co.	do.....	5.00
	Galveston Gas Co.....	Gas.....	9.45
	W. H. Gussio.....	do.....	12.60
	Isabel Sobel.....	Post-office box.....	.50
	Park Avenue Pharmacy.....	Ink.....	1.00
3	Elizabeth L. Renoe.....	Office expenses.....	3.00
	A. B. Nichols.....	Traveling expenses.....	4.00
4	Pennsylvania R. R. Co.....	Passenger transportation.....	25.15
	Staunton Mutual Telephone Co.....	Telephone service.....	37.50
	J. A. Fox.....	do.....	6.00
	Alabama, Mississippi, and Tennessee Telephone Co.	do.....	.60
	Georgetown and Lanes Telegraph Co.....	Telegraph service.....	8.06
	The Miami Telephone Co.....	Telephone service.....	21.00
	Central of Georgia Rwy. Co.....	Passenger transportation.....	5.73
	G. N. Salisbury.....	Office expenses.....	2.25
	J. B. Marbury.....	do.....	7.15
	H. B. Boyer.....	do.....	13.88
	J. C. Hayden.....	do.....	2.37
	Geo. H. Willson.....	do.....	1.10
	O. C. Burrows.....	do.....	1.25
	L. H. Murdock.....	do.....	1.96
	Wm. M. Dudley.....	do.....	.75
	W. T. Blythe.....	Traveling expenses.....	6.00
	N. B. Conger.....	do.....	9.00
	L. A. Denson.....	Office expenses.....	2.00
	C. A. Hyle.....	Traveling expenses.....	10.00
	J. W. Smith.....	do.....	2.20
	Pay roll, Nashville, Tenn.....	Substation, salaries.....	61.70
	Pay roll, Vicksburg, Miss.....	do.....	87.00
	Pay roll, Chattanooga, Tenn.....	do.....	176.50
	Pay roll, Jacksonville, Fla.....	do.....	75.00
	Pay roll, Galveston, Tex.....	do.....	30.00
	Pay roll, Pensacola, Fla.....	do.....	36.00
	Pay roll, New York, N. Y.....	do.....	55.00
	D. D. Booze.....	Services.....	3.00
	D. Cosby.....	do.....	7.00
	Jno. M. Rutherford.....	do.....	20.00
	A. L. Foster.....	do.....	20.00
	D. M. Blair.....	do.....	8.00
	Western Union Telegraph Co.....	Telegraph services.....	25.60
	St. Louis and San Francisco R. R. Co.....	Passenger transportation.....	16.20
	Yazoo and Mississippi Valley R. R. Co.....	do.....	6.80
	Western Union Telegraph Co.....	Telegraph service.....	12,683.39
5	C. M. Wayland.....	Service.....	5.75
	T. S. Outram.....	Office expenses.....	3.65
	A. E. Hackett.....	do.....	7.35
	C. M. Strong.....	do.....	3.90
	A. J. Davis.....	do.....	1.25
	W. T. Blythe.....	do.....	15.00
	Alex. G. McAdie.....	Traveling expenses.....	43.35
	Pay roll, Atlanta, Ga.....	Substation, salaries.....	14.00
	Pay roll, Harrisburg, Pa.....	do.....	14.00
	Pay roll, Montgomery, Ala.....	do.....	21.00
16	A. Lone.....	Services.....	4.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 16	Chas. W. Halsey	Traveling expenses	\$29.93
	Dewey A. Seeley	do	5.50
	M. R. Sanford	do	6.50
	Chas. A. Hyle	do	34.00
	W. M. Wilson	Office expenses	9.55
	I. M. Cline	do	8.00
	W. T. Blythe	do	1.10
	Vermont Telephone and Telegraph Co	Telephone services	9.00
	Southern Bell Telephone and Telegraph Co	do	15.00
	do	do	7.50
	do	do	17.50
	do	do	7.50
	J. A. Hudson	do	4.00
	C. S. McLawry, J. E. McLawry, and P. A. Johnson.	Office rent	69.00
	H. S. Gilbert, county treasurer	do	67.00
	Wm. Anderson	Matches	1.50
	Norwich University	Steam heat	7.50
	Pacific Transfer Co	Drayage	12.25
	do	do	13.01
	Jas. S. Topham	Calf skins, etc	8.20
	United Typewriter and Supplies Co.	Repairing typewriter	15.00
	Jas. R. Hobbs	Services on telegraph lines	1.50
	M. D. Cryderman	Repairing river gauge	12.00
	Gilbert H. Tracy	do	20.00
	Dacosta Printing Co	Printing weekly bulletin	29.25
	Claude L. Friel	do	6.00
	L. H. Jones	Recasting rollers	2.70
	J. L. Hill Printing Co.	Binding weather maps	3.00
	W. R. Prowell	Repairing river gauge	45.00
	Hubinger & Schmidt	Towel supply	3.00
	Salt Lake Towel Supply Co.	do	1.50
	Nashville Laundry Co.	do	1.80
	New Brunswick, Martha's Vineyard and Nantucket Steamboat Co.	Services	6.45
	B. C. Crowell, jr.	Manila rope, etc	16.31
	Wm. M. Randall	Hire steamer Susie D	425.00
17	Western Union Telegraph Co	Services and material	14.15
	Bendernagel & Co.	Casting rollers	3.00
	A. Roemer	Printing weekly bulletin	10.00
	Hoke Engraving Plate Co.	Recoating plates	100.00
	do	do	100.00
	do	do	100.00
	W. H. H. Smith	Use of team and labor	7.00
	Merrill Stevens Engraving Co.	Repairs to wind vane	12.60
	F. L. Patenotte	Flagstaff	23.00
	T. F. Griggs	Repairing furniture	18.25
	Chas. J. Grinnell	Repairing chairs	1.00
	D. B. Skinner & Co.	Services and material	6.62
	The American Bell Telephone Co	Repairing transmitter	3.00
	J. M. Hall	Repairing river gauge	4.00
	Jno. F. Bell	do	4.00
	Edwd. Frohlich Paint and Glass Co	Services and material	1.50
	B. W. Bridges	Repairing typewriter	9.00
	M. B. Boone	Washing towels	3.00
	Cleveland Telephone Co.	Telephone service	18.00
	A. A. Boles	Carting	3.50
	California Truck Co	Hauling	4.50
	Henry Pitts	do	1.00
	Fredk. Springmann	do	4.00
	Norfolk and Washington Steamboat Co	Transportation	.75
	Charleston Consolidated Rwy. Gas and Electric Co.	Electric light	3.54
	Norwich University	do	2.00
	Hirschmann Bros	Sweeper	2.50
	Patrick & Co	Stamp	2.50
	Fred W. Vaughan & Co.	Typewriter ribbons	1.65
	Pelouze Paper and Type Co	News cases	5.13
	Hoke Engraving Plate Co	Stereotype metal	30.33
18	Jos. P. Fallihee	Office expenses	1.95
	S. A. Potter	Traveling expenses	3.25
	Chas. W. Halsey	do	10.30
	Geo. F. von Ostermann	do	27.15
	L. G. Schultz	do	8.00
	do	Office expenses	3.10
	N. B. Conger	Traveling expenses	6.25
	W. B. Moses & Sons	Furniture	88.50
	Geo. F. Muth & Co	Turpentine	17.21
	Henry J. Green	Thermometers	41.00
	Belt & Dyer	Sawdust	2.10

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 18	American Type Founders' Co	Typewriter type	\$4.72
	J. P. Nawrath	Twine for printing office	19.50
	The Globe Co	Roller copying bath	6.00
	The J. F. W. Dorman Co	Stamps	8.19
	W. R. Miller	Ink	3.85
	The Maurice Joyce Engraving Co	Electrotype plates for printing office	45.66
	R. Carter Ballantyne	Paper	119.00
	W. C. Newton & Co	Supplies	43.35
	do	Supplies, printing office	66.83
	Broderick Bros.	Rags	14.00
	Easton & Rupp	Cardboard	57.81
	Edw. H. Rose	Services and material	5.50
	City of East Tawas	Installing electric signal lanterns	15.00
	J. K. Attaway & Co	Flagstaff	40.00
	A. M. Marshall	do	55.00
	Frank Crippen	Use of team	5.00
	Peter Raber	Hauling	4.00
	J. C. Entwistle	Engraving for printing office	5.00
	J. J. Lovett	Printing bulletins	9.00
	F. M. McKeough	Recasting rollers	3.00
	Frank Crippen	Use of team, etc.	5.00
	E. M. Philebaum	Services	20.00
	L. E. Stone	Repairing telegraph line	10.50
	D. M. Goulter	do	7.00
	Geo. Barron	Services	6.00
	M. D. Lane	do	8.00
	W. P. Mills	Lumber	5.00
	J. Richard	Ink	7.72
	Fort Worth and Denver City Rwy. Co	Telegraph services	26.70
	Chesterfield Telephone and Telegraph Co	do	7.40
	Sunset Telephone and Telegraph Co	Telephone service	15.00
	do	do	6.00
	Baltimore and Ohio R. R. Co	Passenger transportation	71.12
	do	do	27.50
19	Pay roll, San Francisco, Cal.	Substation salaries	36.75
	Geo. A. Loveland	Office expenses	15.21
	J. E. Dooly	Office rent	16.13
	Central Investment Co	do	54.58
	Pacific Telephone and Telegraph Co	Telegraph service	3.25
	H. E. Wadsworth	do	89.07
	T. W. & C. B. Sheridan	Supplies for printing office	4.65
	Mack G. Fritz	Typewriter desk	2.50
	J. H. Thiemeyer	Packing boxes	7.00
	W. G. Hutchison Co	Shade, etc., for droplight	1.05
	Schneider Bros.	Supplies	5.00
	Chas. Cooper & Co	Anhydrous ammonia	5.00
	R. L. Bryan & Co	Ink, mucilage, etc.	1.35
	W. P. Mills	Oil	4.50
	J. L. McIntire	Supplies for furnishing office	49.22
	Chas. J. Grinnell	Services and material	25.00
	Warren E. Lamb	do	8.50
	J. P. Myers	Repairs to river gauge	7.00
	D. T. Geiger	do	15.00
	Julien Binford, jr	Repairing motor	1.50
	L. M. Dalrymple	Boxing maps	1.00
	Schneider Bros.	Services and materials	18.00
	Petermann & Wallber	Repairing motor	7.20
	W. H. Campbell	Resetting wind vane	6.88
	Jas. Richardson	Services	2.00
	Ray Monroe	Use of team	5.00
	D. Stormont	Transportation	4.14
	M. F. Hayes	Drayage .....	.50
	C. C. Bond	Hauling	3.00
	Alpheus Drinkwater	Repairing telegraph line	8.75
	E. D. Reinking	Services	7.50
	Fred Albright	Use horse	1.00
	A. Drinkwater	Repairing telegraph lines	2.50
	A. L. Jaqueth	Services	5.00
	W. E. Lamb	do	7.50
	Owen & Wehbrecht & Co	Printing bulletins and maps	6.00
20	J. W. Smith	Office expenses	8.30
	W. E. Oliver	Traveling expenses	7.60
	W. F. R. Phillips	do	22.75
22	Kent & Stuchfield	Repairing rain gauges	3.50
	J. R. Williams	Services, etc.	6.50
	J. Connolly	Repairs to lanterns	3.00
	S. S. Lavender	Services	3.00
	The Maurice Joyce Engraving Co	Electrotypes, printing office	86.27

178 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 22	New York Central and Hudson River R. R. Co.	Passenger transportation	\$5.60
	Great Northern Rwy. Co.	.....do.....	70.00
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	.....do.....	11.32
	H. B. Boyer	Office expenses.....	2.75
	Baltimore, Chesapeake and Atlantic Rwy. Co.	Transportation.....	.55
	Baltimore and Ohio R. R. Co.	.....do.....	100.97
	Baltimore and Ohio Southwestern Rwy. Co.	.....do.....	32.21
	.....do.....	.....do.....	8.76
	.....do.....	.....do.....	7.39
	.....do.....	.....do.....	7.71
	.....do.....	.....do.....	.81
	.....do.....	.....do.....	.52
	Chicago, Burlington and Quincy R. R. Co.	.....do.....	.54
	.....do.....	.....do.....	21.59
	.....do.....	.....do.....	.21
	Wisconsin Central Lines	.....do.....	1.48
	Chicago and West Michigan Rwy. Co.	.....do.....	2.97
	.....do.....	.....do.....	.64
	Chicago, Peoria and St. Louis R. R. Co.	.....do.....	4.51
	Chicago and Northwestern Rwy. Co.	.....do.....	2.20
	Star Union Line	.....do.....	2.53
	.....do.....	.....do.....	7.28
	Vandalia Line	.....do.....	1.69
	Georgia R. R. Co.	.....do.....	3.21
	Cincinnati, Hamilton and Dayton R. R. Co.	.....do.....	.81
	Peoria, Decatur and Evansville Rwy. Co.	.....do.....	7.20
	Toledo, Peoria and Western Rwy. Co.	.....do.....	.84
	Grand Trunk Rwy. System	.....do.....	.63
	Michigan Central R. R. Co.	.....do.....	4.15
	Steamer G. W. Danielson	.....do.....	2.53
	Detroit and Mackinac Rwy. Co.	.....do.....	2.66
	New York Central and Hudson River R. R. Co.	.....do.....	3.91
	Fort Worth and Denver City Rwy. Co.	.....do.....	.39
	Cleveland Terminal and Valley R. R. Co.	.....do.....	1.46
	Arizona and Southeastern R. R. Co.	.....do.....	1.35
	New Bedford, Martha's Vineyard and Nantucket Steamboat Co.	.....do.....	4.22
	Erie R. R. Co.	.....do.....	.75
	Portland and Rochester R. R. Co.	.....do.....	4.10
	Wabash R. R. Co.	.....do.....	4.88
	Florida Central and Peninsular R. R. Co.	.....do.....	4.65
	Fremont, Elkhorn and Missouri Valley R. R. Co.	.....do.....	.77
	Flint and Pere Marquette R. R. Co.	.....do.....	1.24
	Atchison, Topeka and Santa Fé R. R. Co.	.....do.....	10.00
	.....do.....	.....do.....	51.63
	.....do.....	.....do.....	9.87
	Yazoo and Mississippi Valley R. R. Co.	.....do.....	.85
	.....do.....	.....do.....	.83
	Delaware, Lackawanna and Western R. R. Co.	.....do.....	.87
	.....do.....	.....do.....	3.97
	St. Louis and San Francisco R. R. Co.	.....do.....	1.71
	.....do.....	.....do.....	.66
	.....do.....	.....do.....	1.01
	Missouri Pacific Rwy. Co.	.....do.....	1.63
	.....do.....	.....do.....	3.79
	.....do.....	.....do.....	3.55
	.....do.....	.....do.....	1.31
	Burlington and Missouri River R. R. in Nebraska.	.....do.....	47.32
	Texas and Pacific Rwy. Co.	.....do.....	1.31
	St. Louis and Southwestern Rwy. of Texas	.....do.....	1.30
	.....do.....	.....do.....	1.00
	Louisville, Evansville and St. Louis Consolidated R. R. Co.	.....do.....	.40
	Louisville, Evansville and St. Louis R. R. Co.	.....do.....	1.14
	Louisville and Nashville R. R. Co.	.....do.....	30.57
	.....do.....	.....do.....	1.33
	B. A. Jackson	.....do.....	1.00
	Jno. R. Hulet	.....do.....	.12
	Baltimore and Ohio R. R. Co.	.....do.....	20.79
23	Enterprise Telegraph Co.	Telegraph service.....	10.30
	Postal Telegraph Cable Co.	.....do.....	20.40
	.....do.....	.....do.....	157.82

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date	Name.	Nature of payment.	Total.
1899.			
May 23	Philadelphia, Reading and Pottsville Telegraph Co.	Telegraph service	\$11.26
	International Ocean Telegraph Co.	do	208.33
	do	do	200.30
	The Ohio Valley Telephone Co.	Telephone service	19.00
	Hutchinson & Hart	Repairing clock	1.50
	Gulf, Colorado and Santa Fé Rwy. Co.	Passenger transportation	6.15
	Wm. K. Hulme	Stove	3.00
	Harry T. Johnson	Traveling expenses	5.80
31	W. F. R. Phillips et al.	Salaries, climatology	264.40
	Jno. P. Church et al.	Salaries, printing office	2,578.60
June 2	Geo. T. Todd	Office expenses	3.00
	Wayland Bailey	do	1.25
	S. M. Blandford	do	9.95
	A. J. Mitchell	do	2.95
	O. D. Stewart	do	8.65
	F. H. Brandenburg	do	3.25
	J. F. Nichols	Traveling expenses	9.00
	T. Fredk. Davis	do	13.40
	Geo. G. Harkness	do	4.25
	R. G. Allen	do	26.60
	Chas. A. Hyle	do	5.75
	D. F. Webber	Services	3.25
	D. F. Thompson	do	3.25
	T. E. Boston	do	3.25
	W. H. Childs	do	3.25
	Richard Titus	do	12.00
	M. C. Baker & Son	Repairs to printing press	1.00
	B. W. Bridges	Repairs to typewriter	3.50
	Claude L. Friel	Printing crop bulletin	6.00
	E. G. Robinson Transfer Co.	Hauling	1.50
	Wyckoff, Seamans & Benedict	Repairing typewriter	5.00
	E. W. Strange	Repairing clocks	7.50
	Nordman Bros.	Repairing clock	2.00
	L. Naegle & Sons	Printing crop bulletin	75.00
	Western Union Telegraph Co.	Use of team	4.00
	B. Ammons	Repairing river gauge	6.00
	M. G. Coleman	Repairing clock	2.00
	Julien P. Friez	Supplies	98.15
	Wm. F. Costin	Answering signals, etc.	21.70
	W. A. McKenzie	Water cooler	4.50
	Geo. Meier & Co.	Lithographic ink	11.55
	R. B. Smith	Oil	1.10
	J. C. Stowers	Flagstaff	15.50
	The Marine Review Publishing Co.	Publications	2.00
	Pelouze Paper and Type Co.	Type	19.50
	do	do	27.79
	do	do	11.40
3	Ohio River Telephone Line	Telephone service	8.10
	Aurora and Friendship Telephone Line	do	2.70
	Northern Montana Telephone Co.	do	23.00
	Alabama, Mississippi and Tennessee Telephone Co.	do	6.25
	Alabama and Georgia Long-Distance Telephone Co.	do	15.60
	Carolina Midland Rwy. Co.	Telegraph service	10.20
	do	do	5.20
	Corvallis and Eastern R. R. Co.	do	2.50
	Isle of Wight Telephone and Telegraph Co.	do	5.00
	Chicago, Burlington and Northern R. R. Co.	do	2.79
	Oregon Short Line R. R. Co.	Passenger transportation	7.50
	Pennsylvania R. R. Co.	do	96.75
	Atchison, Topeka and Santa Fé Rwy. Co.	do	32.75
	Pay roll, New York, N. Y.	Substation salaries	55.00
	F. P. Chaffee	Office expenses	1.25
	Frank H. Knight	Services	3.00
	Fredk. Springmann	Transportation	24.67
	Burlington and Missouri River R. R. in Nebraska.	do	.56
	do	do	10.65
	International and Great Northern R. R. Co.	do	1.12
	Texas and Pacific Rwy. Co.	do	.57
	Vandalia Line	do	16.01
	New York Central and Hudson River R. R. Co.	do	7.02
	do	do	3.22
	Wabash R. R. Co.	do	1.57
	Atchison, Topeka and Santa Fé Rwy. Co.	do	5.99
	do	do	34.59

180 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
June 3	Atchison, Topeka and Santa Fe Rwy. Co.	Transportation	\$82.13
	Denver and Rio Grande R. R. Co.	do	96.40
	do	do	1.10
	Colorado Midland Rwy. Co.	do	36.28
	Illinois Central R. R. Co.	do	.31
	Wisconsin Central Lines	do	.20
	South Carolina and Georgia R. R. Co.	do	15.70
	Southern Rwy. Co.	Passenger transportation	17.50
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	.43
	do	do	.90
	do	do	1.73
	Florida Central and Peninsular R. R. Co.	do	9.63
	do	do	15.91
6	Union Typewriter and Supplies Co.	Supplies	1.75
	The White, Corbin & Co.	Envelopes for printing office	111.80
	The J. F. W. Dorman Co.	Rubber stamps	8.85
	H. C. Bucklin	Washstand	13.80
	W. F. White	Water cooler	4.00
	The Milwaukee Electric Rwy. and Light Co.	Electric current	6.90
	The Central District and Printing Telephone Co.	Telephone service	9.00
	W. O. Luscombe	For use of steamer, etc	54.00
	Timothy Collins	Repairing telegraph lines	2.25
	Edwd. Manlove	Changing map symbols	1.50
	E. Randolph	Cleaning carpet	8.00
	A. Roemer	Printing Crop Bulletins, etc	12.50
	Duff Dodson	Recasting rollers	3.55
	Hubinger & Schmidt	Towel supply	1.00
	Jacob Hanson	Flagstuffs	140.00
	Chicago, Milwaukee and St. Paul Rwy. Co.	Transportation	1.48
	do	do	3.90
	do	do	.72
	Hannibal and St. Joseph R. R. Co.	do	.62
	Pullman's Palace Car Co.	do	5.00
	Wisconsin Central Lines	do	.62
	Harry E. Overstreet	do	.80
	Merchants and Miners' Transportation Co.	do	2.20
	Denver and Rio Grande R. R. Co.	do	13.40
	do	do	3.01
	Louisville and Nashville R. R. Co.	do	10.90
	Baltimore and Ohio R. R. Co.	do	10.89
	Yazoo and Mississippi Valley R. R. Co.	Passenger transportation	6.80
7	E. R. French	Services	8.00
	Margaret Johnson	Cleaning office	10.00
	The Friedenwald Co.	Engraving letter heads	100.00
	Jas. E. Woodhouse	Services	1.00
	E. D. Beattie	Printing monthly bulletins	72.00
	E. M. Bowman	Drayage	1.00
	E. B. & W. H. Eisenbrandt	Electric fan	3.00
	Louis Bader	Repairing vane, etc	2.00
	Hoke Engraving Plate Co.	Recoating plates	38.80
	do	do	87.50
	do	do	52.31
	California Ink Co.	Ink	1.75
	New York Belting and Packing Co., Limited	Belting	2.60
	F. A. Fort	Frame for chart	1.40
	Detroit Electric Wiring and Repair Co.	Motor controller	23.00
	Hall, Headington & Co.	Carpet, etc	42.70
	Jacksonville and St. Johns Bar Telegraph Lines.	Telegraph service	8.75
	Philadelphia, Reading and Pottsville Telegraph Co.	do	10.47
	Fort Worth and Denver City Rwy. Co.	do	25.50
	Fremont, Elkhorn and Missouri Valley R. R. Co.	Passenger transportation	2.27
8	Western Union Telegraph Co.	Telegraph service	13,046.68
	R. Carter Ballantyne	Paper	372.32
	do	Envelopes and inkstands	342.06
	Geo. F. Muth & Co.	Turpentine and rosin	16.73
	Jas. B. Lambie	Stepladder, etc	3.59
	The Smith Premier Typewriter Co.	Typewriter symbols	14.86
	J. Edward Turton	Instrument shelters	40.00
	Standard Oil Co.	Benzine for printing office	4.51
	Royce & Mearan	Wire cord, etc	60.53
	Forsberg & Murray	Services	11.00
12	Western Union Telegraph Co.	Telegraph service	12,764.76
14	H. C. Frankenfield	Traveling expenses	42.50

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1899. June 16	The Great Northwestern Telegraph Co. of Canada.	Telegraph service.....	\$163.30
	Carolina Midland Rwy. Co.	do.....	5.20
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do.....	3.06
	do	do.....	12.33
	The New York Union Telegraph Co.	do.....	4.90
	Alabama and Georgia Long-Distance Telephone Co.	Telephone service.....	15.60
	The Bell Telephone Co. of Buffalo.	do.....	.55
	M. C. Buzzett	Services.....	3.25
	J. J. Lovett	Printing bulletins.....	11.25
	A. Drinkwater	Repairing telegraph lines.....	5.00
	Duluth Van Express and Storage Co.	Hauling.....	1.00
	Chas. Palmer	Repairing clock.....	1.00
	Grant, E. Snyder & Co.	Recasting rollers.....	4.10
	Janssen Printing and Binding Co.	Matches and mucilage.....	5.00
	Geo. Meier & Co.	Paper for printing office.....	3.00
	T. W. & C. B. Sheridan	Supplies.....	3.00
	D. Stormont	Coal and oil.....	18.00
	M. Cotter	Wood.....	4.00
	J. C. Piercy	Office expense.....	2.75
	Jessie A. Brown	do.....	2.00
	F. Z. Gosewisch	do.....	1.25
	J. S. King Machine Co.	Repairs to printing press.....	1.75
	G. G. Harkness	Traveling expenses.....	27.50
	Vicksburg, Shreveport and Pacific R. R. Co.	Passenger transportation.....	14.10
	The Missouri Pacific Rwy. Co.	do.....	37.50
	Michigan Central R. R. Co.	do.....	37.33
	Burlington and Missouri River R. R. in Nebraska.	do.....	48.45
	Steamer Perry	do.....	10.00
	Great Northern Rwy. Co.	do.....	10.05
17	The J. F. W. Dorman Co.	Rubber stamp.....	23.85
	American Type Founders Company	Type.....	2.57
	Geo. W. Begg	Washing towels.....	2.00
	R. F. Becker	Services.....	2.00
	Miles City Transfer Co.	Moving office, etc.....	23.00
	California Ink Co.	Casting rollers.....	1.95
	Union Typewriter and Supplies Co.	Repairing typewriter.....	10.00
	W. J. Hislop	Erection of instrument shelters.....	79.10
	Jno. Derby	Services and material.....	5.00
	Patterson & McTaggart	Typewriter pad.....	2.50
	do	Matches and chimneys for lamp.....	.50
	Blake McFall Co.	Paper.....	9.60
	Chas. W. Vaughan	Water cooler.....	2.15
	Percy V. Carson	Repairing instrument shelter.....	2.50
	Fred Albright	Use of horse repairing telegraph line.....	4.00
	Texas and Pacific Rwy. Co.	Transportation.....	4.25
	Vandalia Line	do.....	.74
	C. M. Olson	do.....	2.75
	Baltimore and Ohio Southwestern Rwy. Co.	do.....	42.71
	Missouri and Pacific Rwy. Co.	do.....	15.05
	do	do.....	7.60
	Star Union Line	do.....	10.49
	Mobile and Birmingham R. R. Co.	do.....	.96
	Florida Central and Peninsular R. R. Co.	do.....	1.34
	do	do.....	2.66
	Louisville and Nashville R. R. Co.	do.....	1.10
	do	do.....	2.22
	Louisville, Evansville and St. Louis Consolidated R. R. Co.	do.....	1.11
	Chicago, Rock Island and Pacific Rwy. Co.	do.....	4.40
	do	do.....	1.80
	Chicago and Northwestern Rwy. Co.	do.....	.91
	Chicago, Milwaukee and St. Paul Rwy. Co.	do.....	.40
	Chicago and Erie R. R. Co.	do.....	.63
19	Broderick Bros.	Rags, printing office.....	14.00
	G. W. Offutt	Kerosene oil.....	4.16
	M. G. Copeland & Co.	Flags.....	953.00
	W. C. Newton & Co.	Recasting rollers, etc.....	90.30
	do	Type, etc.....	77.87
	Wm. Ballantyne & Sons	Publications.....	.85
21	The Chicago Stamping Co.	Card holders.....	764.28
	Claude L. Friel	Printing bulletins.....	10.00
	C. M. Flink	Repairing telegraph lines.....	12.25
	Wm. Honchen	Services.....	5.00
	The Bryan Printing Co.	Printing bulletins.....	32.00
	Chas. M. Percy	Supplies.....	2.00

182 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date,	Name.	Nature of payment.	Total.
1899.			
June 21	Adam Glass	Bookcase	\$22.00
	Alex. H. Revell & Co	Water cooler	9.00
22	Corvallis and Eastern R. R. Co	Telegraph service	2.60
	Great Northwestern Telegraph Co. of Canada	do	151.48
	Ocean Towboat Line	do	1.00
	Aurora and Friendship Telephone Line	Telephone service	2.50
	Ohio River Telephone Line	do	7.50
	Alabama, Mississippi and Tennessee Tele- graph Co.	do	6.50
26	The Maurice Joyce Engraving Co.	Electrotype plates	27.55
	do	Electrotype plates, etc	82.33
	Chas. Becker	White lead	1.04
	Mackall Bros	Glycerin	1.75
	Jno. C. Parker	Blank books, etc	203.00
	Belt & Dyer	Sawdust	2.10
	J. C. Entwistle	Engraving	5.00
	Thos. Somerville & Sons	Iron pipes, etc	8.45
	Wyckoff, Seamans & Benedict	Types and card	46.98
	J. Baumgarten & Sons	Stamp	2.25
30	Amie Reed	Services	15.00
	C. E. Melton	do	10.00
	Wm. G. Burns	Office expenses	3.51
	L. M. Pindell	do	2.80
	Al. Brand	do	3.19
	Allen Buell	do	8.00
	F. H. Brandenburg	do	4.21
	J. S. Hazen	do	1.00
	W. E. Fethouse	Traveling expenses	12.75
	W. F. R. Phillips	Salaries	244.80
	Jno. P. Church	do	2,493.45
	Total fourth quarter		82,132.84
	Supplemental.		
July 3	Pay roll, Montgomery, Ala	Substation, salaries	27.00
	Louis Prior	Services	9.00
	Allie M. Adie	do	19.50
	C. J. Oyler	do	4.50
	do	do	1.50
	Chas. A. Blumner	do	15.00
	E. F. Weillie	do	18.00
	R. G. Goffin	do	9.00
	Wm. A. Johnson	do	30.00
	Geo. Buckingham	do	3.00
	Harry B. Nichols	Traveling expenses	6.95
	Rosell H. Dunbar	do	19.75
	L. G. Schultz	Office expenses	1.00
	D. P. McCallum	do .....	.50
	W. S. Currier	do	2.00
	A. H. Bell	do	1.00
	E. H. Nimmo	do	1.00
	J. F. Conrad Grocery Co	Oil, matches, etc	2.49
	Chicago Auditorium Association	Office rent	450.00
	Walla Walla Lodge, No. 56, I. O. O. F.	do	79.92
	Jno. L. McCague and Wm. L. McCague	do	83.33
	A. J. Knight	do	79.44
	E. J. Davenport	do	75.00
	Cedar City Furniture Co	do	23.67
	A. W. Kenzie	do	14.00
	Edgar Harding	do	87.50
	E. H. Jamieson	do	120.00
	Ed. S. Hughes & Co	do	106.11
	Isaac Bloch	do	77.50
	Citizens Bank of Norfolk, Va	do	131.25
	Columbia Building Co	do	87.50
	Bunce & Bams	do	90.00
	Asher Marks, administrator	do	77.25
	B. D. Johnson	do	45.00
	B. M. Jacobs	do	15.00
	The Farmers' Bank of Fresno	do	115.00
	O. I. Mairs	do	67.50
	E. McLaughlin	do	150.00
	Tyree & Wilkins, agents	do	67.50
	Pacific Club	do	67.50
	The Gamble Desmond Co	do	100.00
	Otto B. Hart	do	24.00
	H. H. Taylor, agent	do	322.50
	A. C. Rockliff	do	75.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
July 3	Guarantee Building Co	Office rent	\$125.07
	Maggie French	do	74.20
	C. M. Beeson	do	97.41
	Fred Arnold	do	75.00
	Conrad National Bank	do	45.00
	Chas. M. Boucher	do	28.00
	T. B. Catron	do	105.00
	Peter Sonna	do	120.00
	Louisville and Nashville R. R. Co	Transportation	22.93
	do	do	12.48
	Baltimore and Ohio R. R. Co	do	1.10
	Duluth, South Shore and Atlantic Rwy. Co.	do	1.15
	do	do	2.34
	Baltimore and Ohio Southwestern Rwy. Co.	do	10.37
	Colorado River and Puget Sound Navigation Co.	do .....	.75
	Wisconsin Central Lines	do .....	.20
	Atlanta, West Point R. R. and Western Rwy. of Alabama.	do	13.32
5	Jacksonville and St. Johns Bar Telegraph Line.	Telegraph service	6.25
	Philadelphia, Reading and Pottsville Telegraph Co.	do	11.27
	International Ocean Telegraph Co	do	198.98
	Carolina Midland Rwy. Co.	do	3.60
	Ohio River R. R. Co	do	8.00
	Isle of Wight Telephone and Telegraph Co.	do	5.00
	Fort Worth and Denver City Rwy. Co.	do	28.70
	Cumberland Telephone and Telegraph Co.	Telephone service	128.75
	New York, New Haven and Hartford R. R. Co.	Passenger transportation	27.00
6	The Inland Telephone and Telegraph Co.	Telephone service	9.00
	Pennsylvania Telephone Co	do	20.00
	The Southern New England Telephone Co.	do	31.00
	Ontario Telephone Co	do	7.50
	The Empire State Telephone and Telegraph Co.	do	15.00
	Pacific Telephone and Telegraph Co.	do	25.50
	Sunset Telephone and Telegraph Co.	do	6.00
	The Bell Telephone Co. of Philadelphia	do	30.00
	Missouri and Kansas Telephone Co.	do	18.00
	Union Ice Co	Ice	9.10
	Marais Lumber Co.	Electric current	8.00
	Marquette City Light and Power Co.	do	7.50
	The Friedenwald Co	Manila paper wrappers	23.00
	do	Tissue paper	294.60
	The J. F. W. Dorman Co.	Rubber stamps	1.39
	Geo. Meier & Co	Ink for printing office	18.00
	Hall, Headington & Co.	Carpet, etc.	54.93
	Addressograph Co	Type, etc., printing office	4.50
	Lamoni L. Jones	Services and material	25.00
	Julien P. Friez	Supplies for station	48.50
	do	Stop clocks	3.20
	Amelia McLean	Washing towels	3.00
	The State Journal Co.	Printing crop bulletins	30.00
	Shreveport Cycle Co.	Repairs to typewriter	8.50
	M. J. Parker	do	5.00
	Neil Ferguson	Drayage .....	.50
	Virgil Coomer	Cleaning office	25.00
7	Eliza L. Renoe	Office expenses	3.00
	W. H. Scholl	do .....	.55
	Geo. H. Willson	Traveling expenses	10.00
	Zetta Higgins	Services	30.00
	J. W. Branam	do	15.00
	Pay roll, Woods Hole, Mass.	Substations, salaries	60.00
	Pay roll, New Haven, Conn	do	48.00
	Pay roll, Norfolk, Va.	do	105.00
	Pay roll, Chicago, Ill.	do	440.00
	do	do	796.53
	United States Express Co	Transportation	99.30
	Adams Express Co	do	50.85
11	Fredk. Springmann	do	10.99
	Wyckoff, Seamans & Benedict	Repairs to typewriter	11.28
	Forsberg & Murray	Services	3.50
	Standard Oil Co.	Oil for printing office	6.12

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
July 11	Geo. F. Muth & Co.	Lamps and lanterns	\$5.85
	M. Du Perow	Supplies	4.80
	W. B. Moses & Sons	Desks	184.71
12	Wm. McLaughlin	Drayage	1.50
	Knight & Rosenkrans	Laundry service	1.50
	P. C. Shaw	do	6.00
	Wallace Wood	Flagstaff	2.00
	Henry Puehler	Moving flagstaff	8.00
	The Smith Premier Typewriter Co.	Repairing typewriter	11.15
	Indianapolis Furniture Co.	Window shades	20.40
	Geo. Beesley	Painting, etc., office rooms, etc.	40.00
	Henry Behrens & Co.	Painting, etc., river gauge	48.00
	Frank K. Crippen	Use of team, etc.	5.00
	R. G. Rodman	Service	2.00
	C. H. Consolvo	Washing towels, January to June.	3.00
	Jno. J. Veeder	Services	4.00
	Moses P. Cooper	Hire of sailboat	4.00
	J. D. Lewis	Services and material	26.00
	M. J. Haisler	Moving office	120.00
	R. N. Dahlberg	Repairing typewriter	3.00
	Payot, Upham & Co.	Services and material	1.10
	Lynchburg Telephone Co.	Telephone service	3.00
	The Bell Telephone Co. of Buffalo	do	12.50
	The Central District and Printing Telegraph Co.	do	9.00
	Southern States Telephone Co.	do	7.50
	Cumberland Telephone and Telegraph Co.	do	9.00
	do	do	10.00
	Santa Fe Electric Telephone Co.	do	6.00
	Sunset Telephone and Telegraph Co.	do	6.00
	The Northwestern Telephone Exchange	do	9.00
	The Island Telephone and Telegraph Co.	do	18.00
	Michigan Telephone Co.	do	8.50
	Citizens' Telephone Co.	do	6.00
	Southern Bell Telephone and Telegraph Co.	do	3.00
	do	do	10.00
	do	do	7.50
	Southwestern Telephone and Telegraph Co.	do	15.00
	L. C. Fletcher	Bookcase	20.00
	W. F. Richards	Flagstaff	50.00
	Barnhard Bros. & Spindler	Type, etc.	3.79
	M. W. Morrow	Post-office box	2.00
	Parkersburg Transfer Co.	Drayage	2.50
	Citizens Bank of Norfolk, Va.	Awnings	12.50
	Grant Rivenburg	Ice	2.28
	Consumers Electric Light and Street R. R. Co.	Electric lights	5.00
	Guaranty Building Co.	do	9.00
	Ludington Electric Light and Power Co.	do	5.00
	Indianapolis Light and Power Co.	do	18.00
	The Corpus Christi Electric Co.	do	6.00
	Albert A. Brager	Water cooler	6.50
	T. E. Howes & Co.	Ink, oil, etc.	3.08
	Buxton & Skinner Stationery Co.	Ink, mucilage, etc.	3.75
	H. C. Beeson	Beason's Marine Directories	35.00
	Aaron Sargent	Services	12.00
	Jas. Evans	do	9.00
	Ella Beahan	do	9.00
	Geo. L. Lovett	Office expenses	.85
	E. C. Vose	do	3.63
	Geo. R. Oberholzer	Traveling expenses	17.00
	Pay roll, Parkersburg, W. Va.	Substation salaries	177.25
	Pay roll, New York, N. Y.	do	55.00
	Pay roll, Shreveport, La.	do	42.00
14	Jno. T. Myers	Services	15.00
	E. Whitehurst	do	12.00
	E. B. Richards	Office expenses	9.71
	Jas. J. Gray	do	2.77
	Chas. M. Strong	do	2.50
	Geo. A. Loveland	do	4.85
	Geo. N. Wilson	do	1.00
	W. H. Fallon	Traveling expenses	7.70
	Herman Drinkwater	Repairing telegraph line	2.50
	Alpheus Drinkwater	do	2.50
	Ray Monroe	do	5.00
	State Journal Co.	Recasting rollers	5.40
	F. W. Baier	Repairing cylinder	2.00
	The S. A. Bristol Co.	Printing weekly bulletin	24.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899, July 14	Dearing & Hull	Repairing typewriter	\$6.00
	Walter Morley	Repairing river gauge	18.00
	Jno. Longstaff	Printing bulletins	27.50
	E. L. Page	Hauling	5.00
	O. J. Glenn	do	3.40
	D. Stormont	Telegraph supplies	24.00
	Cumberland Telephone and Telegraph Co.	Telegraph service	23.85
	Malachi Corbel	Drayage	1.00
	P. D. Cunningham	Supplies for typewriter	.75
	Mangrum & Otter	Stove board, etc	3.65
	Schneider Bros.	Kite anemometer	20.00
	Eliza L. Renoe	Office rent	100.00
	T. M. Jeffris & Co	do	100.00
	Geo. E. Shaw	do	70.00
17	Thos. Somerville & Sons	Supplies	9.72
	Jno. C. Parker	Cardboard for printing office	132.00
	do	Stencil paper	300.00
	Jas. S. Sebree	Office rent	36.00
	Union Trust Building Co. Limited	do	275.00
	Northwestern Mutual Life Insurance Co	do	100.00
	Portland Trust Co. of Oregon	do	210.00
	Colley & Wright	do	78.50
	M. E. Conway	do	37.74
	Cone & Kimball Co	do	99.06
	C. S. McLaury, I. L. McLaury and P. A. Johnson.	do	69.00
	Lorenzo Littlefield	do	64.99
	First National Bank, Portland, Me	do	126.00
	Albert Marty	do	165.00
	Paine Bros	do	73.75
	Jno. E. Dooly	do	100.00
	American Surety Co	do	625.00
	Estate of Isaac Eberly	do	154.00
	P. H. Swearington	do	48.00
	Orson Adams, jr	do	120.00
	D. Horton	do	120.00
	Jos. Gussenhoven	do	120.00
	Continental National Bank	do	150.00
	Jno. Semer	do	114.00
	Margaret Parmentier	do	75.00
	Fanny L. Keating	do	90.00
	Luke & Smith	do	75.00
	The Penn Mutual Life Insurance Co	do	81.25
	H. S. Gilbert, Co., treasurer	do	67.00
	Geo. S. Waite	do	119.82
	Amarillo Improvement Co	do	50.00
	The Richmond Chamber of Commerce	do	145.00
	Bank and Insurance Building Co	do	100.00
	The First National Bank of Moorhead, Minn.	do	66.31
	Catherine Wilson	do	140.82
	Chamber of Commerce Building Co	do	75.21
	Ella W. Daniels	do	75.00
	Real Estate and Law Building Co.	do	34.25
	F. E. Warren Mercantile Co	do	91.90
	The Society for Savings in the City of Cleveland, Ohio.	do	285.00
	B. S. Williams	do	55.00
	H. W. Styron	do	38.64
	The Indianapolis Gas Co	do	250.00
	H. Overholzer	do	127.50
	Kate F. Coke	do	60.00
	Warfield & Dann	do	75.00
21	Knickerbocker Ice Co.	Ice	2.55
	D. Stormont	do	3.00
	W. Broadwell	do	14.40
	Mutual Ice Delivery Co.	do	1.00
	Mulgrew & Phillips	do	3.40
	F. L. Ewing	do	3.00
	P. Minor	do	10.30
	C. G. Le Clair	do	1.00
	Jones & Powell	do	.96
	San Antonio Ice Co	do	2.40
	Blue Mountain Ice and Fuel Co	do	3.70
	S. J. Scoville	do	1.50
	People's Gas Light and Coke Co.	Gas	9.40
	Union Pacific R. R. Co.	Passenger transportation	30.00
	R. C. Lund, jr	do	9.37
	Utah and Pacific R. R. Co	do	6.43

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
	<i>Supplemental—Continued.</i>		
1899.	C. D. Little	Water	\$11.00
July 21	F. G. Blaisdell	do	9.00
	Fulton Transfer Co	Drayage .....	.75
	McCormick & Bates	do .....	.75
	Isadore Sobel, postmaster	Post-office box .....	.50
	McIntosh Hardware Co	Wire	3.60
	Consolidated Gas Co	Gas .....	.75
	Atlantic City Gas and Water Co	do	2.83
	Buffalo Gas Light Co	do	5.80
	Raleigh Gas Co	do	8.60
	Nashville Gas Light Co	do	7.64
	Portland Gas Co	do	11.90
	N. D. Winslow	Gasoline	1.50
	A. J. Schoettlin	Benzine	1.70
	Mary C. Pratt et al.	Office rent	83.66
	A. P. Eagleston	do	65.00
	E. A. Hughes	Electric light	9.00
	Charleston Consolidated Rwy., Gas, and Electric Co.	do .....	.69
	Thos. W. Pemberton	do	5.10
	The Raleigh Electric Co	do	4.61
	H. L. Pittock	do	18.00
	P. H. Cheney & Sons	do	4.00
	Cumberland Electric Light and Power Co.	do	15.00
	Grand Haven Electric Light Co.	do	3.75
	Consolidated Electric Light Co. of Maine.	do	10.00
	Merchants and Manufacturers' Electric Light, Heat, and Power Co.	do	5.00
	O. C. G. Urban	do	1.00
	Columbia Water and Light Co.	do	2.25
	Lincoln Traction Co	do	15.50
	Minnesota International Electric Co	do	15.00
	C. F. Jones	Services	10.00
	The J. F. W. Dorman Co	Rubber stamps	15.42
	Thos. H. Carland	Printing supplies	2.77
	The Greater New York Toilet and Supply Co.	Towel supply	2.25
	Dora Moyer	Washing towels	6.00
	C. C. Randolph	Crop bulletins	93.00
	M. A. Graham	Washing towels	1.50
	Salt Lake Toilet Supply Co.	do	1.50
	The American Toilet Supply Co.	do	2.25
	The Silver State Toilet Supply Co.	do	2.25
	Opera House Laundry	do	6.00
	Nashville Laundry Co	do	1.80
	Louisville Towel Supply Co.	do	6.00
	Max Levy	Service and material	20.35
	Geo. Zopp	do	8.50
	The Marine Record Publishing Co.	Supplies	2.00
	E. A. Little	Cleaning carpets	1.65
	A. T. Winsor	Printing bulletins	36.00
	J. F. Beck	Washing towels	3.00
	Claude L. Friel	Printing bulletins	11.00
	L. H. Jenkins	Services, etc.	1.00
	C. F. Barber	Repairing typewriter	4.00
	R. W. Morrison Consolidated Co.	Services and material	23.00
	A. Roemer	Printing Weekly Bulletin	10.00
	Wild & Stevens	Recasting rollers	3.25
	W. H. Brown	Hauling .....	.75
	T. A. Burrier	Alterations to typewriter	3.50
	New England Telephone and Telegraph Co.	Telephone service	12.00
	The United Electric Light and Power Co.	Electric light	9.00
	do	do	15.00
	Missouri and Kansas Telephone Co.	Telephone service	18.00
	do	do	9.00
	Raleigh Telephone Exchange	do	7.50
	Home Telephone Co	do	6.00
	Hudson River Telephone Co.	do	15.00
	Iowa Telephone Co	do	6.00
	Nebraska Telephone Co.	do	15.00
	The Cairo Telephone Co.	do	5.00
	Oregon Telephone and Telegraph Co.	do	22.50
	Columbia Telephone Co	do	10.50
	The Ohio Valley Telephone Co.	do	21.00
	New York and Pennsylvania Telephone and Telegraph Co.	do	9.50
	do	do	13.50
	W. T. Smith	do	4.00

EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE. 187

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
July 21	R. L. Lewis	Telephone service	\$15.75
	Michigan Telephone Co	do	4.50
	Geo. W. Finch	do	6.00
	The Cleveland Telephone Co	do	18.00
	Cumberland Telephone and Telegraph Co	do	23.85
	The Woodford Telephone Co	do	5.00
	Delaware and Atlantic Telephone and Telegraph Co	do	12.00
	New York and Pennsylvania Telephone and Telegraph Co	do	21.00
	The City and Suburban Telephone Co	do	20.00
	La Crosse Telephone Co	do	7.50
	Wisconsin Telephone Co	do	3.75
	The Central District and Printing Tele- graph Co	Telegraph service	34.25
	Sunset Telephone and Telegraph Co	Telephone service	15.00
	do	do	15.00
	East Tennessee Telephone Co	do	9.00
	do	do	9.00
	do	do	10.00
	The Southwestern Telephone and Tele- graph Co	do	9.00
	do	do	15.00
	Black Hills Telegraph and Telephone Co	do	21.00
	Central Union Telephone Co	do	39.00
	Chesapeake and Potomac Telephone Co	do	33.75
	People's Telephone and Telegraph Co	do	7.50
	J. A. Hudson	do	6.00
	Duluth Telephone Co	do	11.40
	Southwestern Telegraph and Telephone Co	do	6.00
	The Northwestern Telephone Exchange Co	do	18.00
	do	do	18.00
	Southern Bell Telephone and Telegraph Co	do	13.50
	do	do	20.00
	do	do	8.25
	do	do	7.50
	do	do	15.00
	do	do	7.50
	do	do	15.00
	do	do	7.50
22	H. L. Holden	Services	20.00
	Eliza C. Crocker	do	30.00
	Thos. A. Boon	do	30.00
	W. T. Turbeville	do	15.00
	Ed Kendall	do	21.33
	E. E. Friday	do	21.00
	L. Rogers	do	15.00
	D. D. Booze	do	1.00
	Baltimore and Ohio Southwestern Rwy. Co	Passenger transportation	9.25
	Southern Bell Telephone and Telegraph Co	Telephone service	10.00
	The Northwestern Telephone Exchange Co	do	9.00
	Michigan Telephone Co	do	6.00
	do	do	51.00
	Thos. J. Campbell	Moving office	20.00
	Jas. Richardson	Services	3.50
	California Truck Co	Drayage	3.50
	Chicago Auditorium Association	Services and material	6.85
	J. G. Jenkins	Distilled water	3.12
	P. Connor	Office expenses	7.65
	J. W. Smith	do	11.55
	J. Warren Smith	do .....	.80
	Geo. T. Todd	do	6.50
	H. B. Hersey	do	4.00
	P. H. Smith	do	2.75
	Al Brand	do	5.55
	Geo. W. Felger	do	1.00
	M. B. De Vane	do .....	.50
	Marsden Wright	do	2.50
	F. J. Walz	do .....	.25
	J. W. Bauer	do .....	.50
	R. M. Hardinge	do	1.20
	E. A. Evans	do	6.40
	G. E. Lawton	Traveling expenses	8.43
	Pay roll, Mobile, Ala	Substation, salaries	121.60
	do	do	80.25
	Pay roll, Augusta, Ga	do	30.00
	Pay roll, Savannah, Ga	do	166.40
	do	do	66.00
	Pay roll, Baltimore, Md	do	45.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
	<i>Supplemental—Continued.</i>		
1899.			
July 22	Pay roll, Wilmington, N. C.	Substation, salaries	\$72.00
	do	do	106.40
	Pay roll, Chattanooga, Tenn	do	142.00
	Pay roll, Memphis, Tenn	do	179.80
	Pay roll, New Orleans, La	do	52.50
	do	do	181.60
	Pay roll, Charleston, S. C.	do	18.00
	do	do	60.80
	Pay roll, Cleveland, Ohio	do	53.34
	Pay roll, Columbus, Ohio	do	252.60
	Pay roll, Sandusky, Ohio	do	32.01
	Pay roll, Portland, Oreg	do	124.50
	Pay roll, Portland, Me	do	60.00
	Pay roll, Portland, Oreg	do	60.00
	Pay roll, Buffalo, N. Y.	do	87.47
	Pay roll, Narragansett Pier, R. I	do	90.00
	Pay roll, Omaha, Nebr	do	45.10
	Pay roll, La Crosse, Wis	do	65.00
	Pay roll, Boston, Mass	do	530.25
	Pay roll, Pittsburg, Pa	do	317.75
24	Pay roll, Augusta, Ga	do	136.60
	Pay roll, Atlanta, Ga	do	136.80
	Pay roll, Little Rock, Ark	do	164.20
	Pay roll, Montgomery, Ala	do	106.40
	Pay roll, Louisville, Ky	do	272.20
	Pay roll, New Orleans, La	do	105.60
	Pay roll, Des Moines, Iowa	do	235.00
	Pay roll, Indianapolis, Ind	do	180.80
	Pay roll, Kansas City, Mo	do	272.00
	Pay roll, Omaha, Nebr	do	218.20
25	Mount Washington Rwy. Co	Office rent	5.00
	Norwich University	Heat	7.50
	Excelsior Electric Co	Electric light	1.35
	Norwich University	do	2.00
	C. P. Disney	Services	21.00
	E. J. Gifford	do	21.00
	B. D. Modisett	do	30.00
	Pay roll, Cairo, Ill	Substation, salaries	181.90
	Pay roll, New Orleans, La	do	84.00
	Pay roll, Pensacola, Fla	do	36.00
	Pay roll, Minneapolis, Minn	do	321.40
	Pay roll, Harrisburg, Pa	do	42.00
	Pay roll, Cincinnati, Ohio	do	90.50
	Pay roll, Raleigh, N. C.	do	111.00
	Pay roll, Charleston, S. C.	do	86.00
	Pay roll, Atlanta, Ga	do	52.00
	Pay roll, Montgomery, Ala	do	42.00
	Pay roll, Nashville, Tenn	do	50.15
	Pay roll, Augusta, Ga	do	13.50
	Pay roll, Little Rock, Ark	do	42.00
	Alex G. McAdie	Traveling expenses	8.75
	J. J. Kelliher	do	3.25
	L. N. Jesunofsky	Office expenses	1.25
	Jos. P. Bolton	do	.50
	J. P. Slaughter	do	.25
	U. G. Pursell	do	.85
	J. C. Hayden	do	.25
	W. H. Fallon	do	1.75
	W. T. Blythe	do	2.60
	E. H. Emery	do	10.90
	F. A. Carpenter	do	9.80
	L. H. Murdock	do	12.77
	T. S. Collins	do	2.50
	T. S. Outram	do	2.60
	N. D. Lane	do	.50
26	Pay roll, Galveston, Tex	Substations, salaries	30.00
	Pay roll, Fort Smith, Ark	do	39.00
	Pay roll, New Orleans, La	do	15.20
	Pay roll, Jacksonville, Fla	do	75.00
	Jno. S. Barney	Services	19.20
	Statesman Printing Co	Printing reports	92.00
	do	do	30.00
	M. B. Boon	Washing towels	3.00
	L. Rogers	Hire horse and cart	30.00
	Jas. R. Hobbs	do	1.50
	Jas. E. Woodhouse	do	2.00
	Thos. F. Seitzinger	Erecting instruments, etc	165.00
	The Friedenwald Co	Services	2.00
	Alex E. Porter	Cleaning office	5.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
July 26	Jacob Ruesch	Repairs to furnace	\$4.00
	M. N. Hunt	Erection of instruments	35.00
	L. C. Way	Laying carpets	5.00
	S. A. Enholm	Repairing typewriter	3.00
	Benjamin & Owen	do	8.00
	The Brown, Eagar & Hull Co.	do	4.50
	W. P. Bryant	do	6.00
	F. Fairbairn & Co.	do	1.00
	Wyckoff, Seamans & Benedict	Changing symbols on typewriter	1.00
	The Edwd. F. Hartmann Co.	do	4.00
	Jno. M. Schurr	do	5.00
	Smith Premier Typewriter Co	do	5.00
	do	do	10.00
	L. P. Cordell	do	1.00
	Lyerly & Smith	do	3.00
	W. H. Person	do	6.75
	E. H. Bochner	do	1.00
	American Type Founders Co.	Casting rollers	4.07
	Knapp Bros	do	4.25
	A. J. Goulter	Repairing telegraph lines	1.75
	A. Drinkwater	do	2.50
	C. M. Flink	do	3.50
	E. S. Levy	Office rent	150.00
	W. W. Bailey	do	60.30
	Jos. A. Smith	do	75.00
	Mill Valley and Mount Tamalpais Scenic Rwy.	do	105.00
	F. D. Meacle	do	105.00
	Wm. Chandler	do	84.00
	F. D. & F. H. Irish	do	56.53
	Brush Electric Light and Power Co.	Electricity	15.00
	Galveston Gas Co.	Gas	10.20
	W. H. Gussio	do	10.33
	A. A. Bolles	Drayage	4.50
	American Type Founders Co.	Type	13.50
	do	Supplies for printing office	7.00
	Chippewa Hardware Co.	Repairing roof of building	2.50
	The Bell Telephone Co. of Buffalo	Telephone service	2.20
	Staunton Mutual Telephone Co.	do	37.50
	Aurora and Friendship Telephone Line	do	2.60
	Ohio River Telephone Line	do	7.80
	Dakota Central Telephone Line	do	112.67
	Pan Telephone Co.	do	6.00
	J. B. Mattingly	do	6.00
	Jackson and Rich Square Telephone Co.	do	30.80
	Iowa Telephone Co.	do	7.80
	Alabama, Mississippi and Tennessee Telephone Co.	do	6.50
	Miami Telephone Co.	do	21.00
	East Tennessee Telephone Co.	do	15.40
	Cumberland Telephone and Telegraph Co.	do	123.30
	Pittsboro and Moncure Telegraph Co.	Telegraph service	5.10
	Deseret Telegraph Co.	do	95.30
	Corvallis and Eastern R. R. Co.	do	2.60
	C. F. R. Wappenhaus	Office expenses	3.65
	Fredk. Springmann	Transportation	6.80
	Michigan Telephone Co.	Telephone service	9.00
	Wisconsin Telephone Co.	do	18.75
	Sunset Telephone and Telegraph Co.	do	6.00
	Tacoma Chamber of Commerce and Board of Trade.	Office rent	60.00
	Pacific States Type Foundry	Supplies	2.20
	Chas. C. Hayman	Services	7.50
	S. G. Spier	Alteration to typewriter	3.50
	Wyckoff, Seamans & Benedict	do	.50
	D. Stormont	Repairing to telegraph lines	2.50
	Hoke Engraving Plate Co.	Recoating plates	65.00
	do	do	78.60
	do	do	75.00
	E. D. Beattie	Printing bulletins	36.00
	Wm. E. Davis	Alteration to typewriters	1.50
	A. R. Taylor & Co.	Alteration to typewriters, etc.	2.75
	Da Costa Printing Co.	Printing bulletins	29.25
	E. H. Hoover	Repairs to typewriters	7.35
	W. H. Renear	Use of teams	6.00
	W. H. H. Smith	do	8.00
	do	Drayage	.25
	The Milwaukee Gas Light Co.	Gas	6.00
	New Orleans Gas Light Co.	do	19.44

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899, Aug. 1	Pay roll, Vicksburg, Miss.	Substation, salaries	\$79.50
	Pay roll, St. Louis, Mo	do	175.20
	Pay roll, Vicksburg, Miss	do	60.80
	Pay roll, St. Louis, Mo	do	182.00
	L. M. Tarr	Office expenses	3.20
	Norman B. Conger	do	1.75
	O. C. Burrows	do	.25
	Geo. M. Chappel	do	1.15
	R. G. Allen	do	7.70
	W. H. Zoeller	do	1.44
	J. B. Marbury	do	5.00
	H. W. Grasse	do	4.75
	I. M. Cline	do	3.05
	S. W. Glenn	do	2.45
	do	do	1.70
	do	do	2.15
	J. H. Smith	do	2.00
	A. E. Hackett	do	4.45
	Geo. B. Wurtz	do	.75
	E. R. Demain	do	2.55
	J. J. Kelliher	do	26.73
	Fred. L. Johnson	do	1.50
	Chas. Stewart	do	.50
	do	Traveling expenses	17.25
	Jno. Grover	Office expenses	.75
	H. E. Wilkinson	do	12.25
	W. M. Wilson	do	4.75
	B. S. Pagne	do	13.95
	F. W. Conrad	Traveling expenses	7.00
	E. J. Glass	do	28.00
	O. C. Burrows	do	5.75
2	J. A. Bradley	do	20.75
	C. W. Halsey	do	4.50
	C. F. von Herrmann	Office expenses	4.30
	Alex. G. McAdie	do	1.20
	H. E. Smith	do	4.35
	J. H. Phillips	Flagstaff	10.00
	M. G. Coleman	Repairing clock	1.50
	G. T. Judd	Repairing typewriter	1.50
	Dunn & Lemmon	Printing bulletins	20.25
	New York Telephone Co	Rent of telephone	60.00
	Anna Faris	Services	4.50
3	Wm. E. Chidester	do	18.00
	The Pacific Transfer Co.	Cartage	7.75
	Fred Albright	Use of horse	4.00
	R. B. Smith	Cleaning river gauge	10.00
	Thos. C. Brown	Repairing telegraph lines	3.50
	Western Union Telegraph Co.	do	15.55
	E. A. Thomas	Repairing roof	3.00
	Jas. B. Gass, C. E	Services	10.00
	J. V. Alfriend & Co	do	7.50
	Jno W. Graham & Co	Repairing typewriter	4.30
	Horace G. Whitney	Printing bulletins	30.00
	Ithaca Democrat	do	33.50
	L. Naegele & Sons	do	75.00
	Chas. Mosbacher	Repairs to clock	1.50
	Iowa Telephone Co.	Telephone service	34.50
	Vermont Telephone and Telegraph Co	do	9.00
	E. P. Jones	Office rent	18.06
5	Pay roll, Portland, Oreg.	Substation, salaries	44.50
8	Pay roll, Galveston, Tex.	do	331.40
11	Chicago Telephone Co.	Telephone service	58.75
	Cumberland Telephone and Telegraph Co.	do	30.00
	The Bell Telephone Co., of Missouri	do	16.25
	Southern Bell Telephone and Telegraph Co.	do	17.50
	The Southwestern Telephone and Telegraph Co.	do	12.00
	Isle of Wight Telephone and Telegraph Co.	Telegraph service	3.40
	Baltimore and Ohio R. R. Co	Passenger transportation	27.90
	Pennsylvania R. R. Co	do	15.25
	do	do	8.70
	Texas and New Orleans R. R. Co	do	12.35
	The Chesapeake and Ohio Rwy. Co	do	19.50
	Northern Pacific Rwy. Co	do	28.30
	Louisville and Nashville R. R. Co.	do	19.35
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do	20.85
	Michigan Central R. R. Co.	do	44.90

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
Aug. 11	Texas and Pacific Rwy. Co.	Passenger transportation	\$3.96
	The Stage Co.	do	6.00
	Golding & Co.	Galley	8.00
	The Bryan Printing Co.	Printing bulletins	16.00
	Expressman's Delivery	Moving furniture	8.65
	Jno. A. Ubsdell	Services	25.00
	Edwards & Broughton	Casting rollers	2.10
	R. L. Millison	Repairs to typewriter	6.50
	F. H. Clarke	Office expenses	1.78
14	Broderick Bros.	Rags	14.00
	The Smith-Premier Typewriter Co.	Supplies	.35
	W. B. Moses & Sons	Chairs	18.35
	Jas. B. Lambie	Faucet	1.25
	W. C. Newton & Co.	Supplies	16.94
	do	do	25.88
	do	Ink and press boards for printing office.	28.27
	W. J. Adler	Supplies	.60
	Maurice Joyce Engraving Co.	Supplies for printing office	32.98
	Adams Express Co.	Transportation	34.55
16	do	do	18.30
	do	do	13.15
	Royce & Marean	Brackets	4.50
17	N. B. Conger	Traveling expenses	10.75
	Hector L. Ball	do	4.75
	Wayland Bailey	Office expenses	.75
	G. N. Salisbury	do	2.00
	Baltimore and Ohio R. R. Co.	Passenger transportation	13.15
	Henry Bolton	Office rent	52.84
	The Carborundum Co.	Wheel	2.09
	Kansas Farmer Co.	Printing bulletins	30.00
	J. J. Lovett	do	9.00
	F. M. Long	Moving office	12.50
	O. St. Germain	Drayage	3.00
	Payer Printing Machine Works	Repairing, etc., printing press	.60
	Jno. Grieser	Repairing river gauge	9.50
	E. R. Halley	do	12.50
18	Jas. B. Lambie	Tallow for printing office	2.25
21	Chicago and Alton R. R. Co.	Passenger transportation	7.50
	New York Central and Hudson River R. R. Co.	do	6.00
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	33.00
	Missouri Pacific R. R. Co.	do	12.10
	do	do	12.10
	Oregon Short Line R. R. Co.	do	2.55
	Geo. F. Muth & Co.	Oil	16.00
	Alpena Electric Light Co.	Electric light	6.00
	Geo. H. Willson	Office expenses	1.75
	Western Union Telegraph Co.	Services	11,091.60
22	Edgar P. Calvert	Traveling expenses	3.00
Sept. 2	Hector L. Ball	Traveling expenses	33.25
	Wm. M. Dudley	Office expenses	2.75
	Hope Engraving Plate Co.	Recoating plates	52.50
	do	do	59.23
	do	do	65.00
	Pay roll, Alpena, Mich.	Substation, salaries	53.33
	W. C. Hartwig	Traveling expenses	2.40
5	Missouri, Kansas and Texas Rwy. Co.	Passenger transportation	9.75
8	Maurice Joyce Engraving Co.	Electrotypes	24.46
	United States Express Co.	Transportation	57.20
	do	do	35.25
14	W. M. Fulton	Office expenses	15.00
	H. B. Boyer	do	3.97
	T. B. Jennings	do	4.80
	P. F. Lyons	do	2.00
	Wyckoff, Seamans & Benedict	Repairing typewriter	15.00
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	Passenger transportation	18.90
15	Jno. Clarke	Telephone service	6.90
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Telegraph service	17.32
	Cumberland Telephone and Telegraph Co.	Telephone service	20.40
	The Winton Telegraph Co.	Telegraph service	7.70
	Michigan Telephone Co.	Telephone service	36.14
	Alabama and Georgia Long Distance Telephone Co.	do	15.70
	Barron County Telephone Co.	do	15.00
	W. H. Holmes	do	6.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
Sept. 15	North Montana Telephone Co.....	Telephone service.....	\$20.00
	H. E. Wadsworth.....	Telegraph service.....	66.14
	Fort Worth and Denver City Rwy. Co.....	do.....	28.70
	Georgetown and Lanes Telephone Co.....	do.....	7.60
	The Kelley Island and Sandusky Cable Co.....	do.....	3.30
	Put-in-Bay Telegraph Co.....	do.....	14.52
19	East Louisiana R. R. Co.....	do.....	6.50
	Nebraska Telephone Co.....	Telephone service.....	65.10
	New Bedford, Martha's Vineyard and Nantucket Steamboat Co.....	Passenger transportation.....	.75
	Terre Haute and Indianapolis R. R. Co.....	do.....	20.25
	Consumers' Ice Co.....	Ice.....	3.90
20	St. Louis, Keokuk and Northwestern R. R.....	Transportation.....	4.20
	do.....	do.....	.13
	do.....	do.....	.46
	do.....	do.....	1.17
	do.....	do.....	.46
	do.....	do.....	.25
	do.....	do.....	.49
	do.....	do.....	2.18
	do.....	do.....	.80
	do.....	do.....	.50
	do.....	do.....	.85
	do.....	do.....	1.07
	Lower Coasts Packets.....	do.....	.50
	do.....	do.....	.50
	The Columbia Southern Rwy. Co.....	do.....	.95
	Cincinnati, Hamilton and Dayton R. R. Co.....	do.....	1.62
	do.....	do.....	.55
	Wabash R. R. Co.....	do.....	3.94
	do.....	do.....	1.75
	International Steamship Co.....	do.....	1.13
	Narragansett Pier R. R. Co.....	do.....	2.37
	Grand Trunk Rwy. System.....	do.....	.66
	Burlington and Missouri River R. R. in Nebraska.....	do.....	11.77
	do.....	do.....	29.15
	A. J. Stone & Bro.....	do.....	1.25
	Atlantic Coast Line R. R. Co. of South Carolina.....	do.....	10.98
	E. B. Richards.....	Office expenses.....	7.55
Oct. 22	Chesterfield Telephone and Telegraph Co.....	Telegraph service.....	7.60
5	W. C. Newton & Co.....	Type.....	7.28
	Postal Telegraph-Cable Co.....	Telegraph service.....	359.39
	Southern Rwy. Co.....	do.....	5.00
9	W. S. Palmer.....	Expenses.....	5.45
12	Ohio River Telephone Line.....	Telephone service.....	7.80
	Jacksonville and St. John's Bar Telegraph Line.....	Telegraph service.....	6.50
	Philadelphia, Reading and Pottsville Telegraph Co.....	do.....	10.55
	Aurora and Friendship Telephone Line.....	Telephone service.....	2.60
14	Nashville, Chattanooga and St. Louis Rwy. Co.....	Passenger transportation.....	18.15
	Pacific Coast Steamship Co.....	do.....	30.00
	P. Killorin.....	Moving office.....	65.00
	W. C. Hartwig.....	Traveling expenses.....	1.05
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.....	Telegraph service.....	3.07
	do.....	do.....	10.93
	Ohio River R. R. Co.....	do.....	5.20
	J. F. Harper.....	do.....	13.53
	Chicago, Burlington and Quincy R. R. Co.....	do.....	5.54
	Western Union Telegraph Co.....	do.....	4.02
20	Edison Sault Electric Co.....	Electric lights.....	46.38
21	The International Ocean Telegraph Co.....	Telegraph service.....	327.81
	Enterprise Telegraph Co.....	do.....	7.70
	The Great Northwestern Telegraph Co. of Canada.....	do.....	311.86
	New England Telephone and Telegraph Co.....	do.....	30.45
	Northern Telegraph Co.....	do.....	15.30
25	W. C. Newton & Co.....	Type, etc.....	2.91
26	Hoke Engraving Plate Co.....	Recoating plates.....	37.50
Nov. 1	International Ocean Telegraph Co.....	Telegraph service.....	146.50
	Estate of J. A. Fox.....	Telephone service.....	6.00
2	Postal Telegraph-Cable Co.....	do.....	403.08
3	Norfolk and Washington Steamboat Co.....	Transportation.....	6.01
	do.....	do.....	1.30

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
Nov. 3	Southern Rwy. Co.	Transportation	\$81.27
4	Western Union Telegraph Co.	Telegraph service	12,942.14
	do	do	12,658.60
6	Virginia and Truckee R. R. Co.	Transportation	4.95
	Pacific Coast Steamship Co.	do	3.11
	Carson and Colorado R. R. Co.	do	13.79
	Galveston, Harrisburg and San Antonio Rwy. Co.	do	1.43
	Atlantic Coast Line R. R. Co. of South Carolina.	do	1.99
	Kansas City, Memphis and Birmingham R. R. Co.	do	3.02
	Burlington and Missouri River R. R. in Nebraska.	do	29.00
	do	do	11.60
	Delaware and Hudson Co.	do	13.78
	Evansville and Terre Haute R. R. Co.	do	2.66
	Detroit and Mackinac Rwy. Co.	do	1.51
	Munesing R. R. Co.	do	1.17
	Duluth, South Shore and Atlantic Rwy. Co.	do	1.11
	Chicago, Burlington and Quincy R. R. Co.	do	12.52
	Cincinnati, Hamilton and Dayton Rwy. Co.	do	4.72
	Baltimore and Ohio Southwestern Rwy. Co.	do	5.74
	Harry E. Overstreet	Drayage	.09
	St. Louis, Keokuk and Northwestern R. R. Co.	Transportation	.26
	Lake Erie and Western Rwy. Co.	do	.75
	Kansas City, St. Joseph and Council Bluffs R. R. Co.	do	.30
	do	do	1.14
	Michigan Central R. R. Co.	do	19.45
	do	do	3.06
	Lake Shore and Michigan Southern Rwy. Co.	do	6.68
	do	do	7.12
	Yazoo and Mississippi Valley R. R. Co.	do	.70
	Lake Shore and Michigan Southern Rwy. Co.	Passenger transportation	8.30
	St. Louis and San Francisco R. R. Co.	do	.99
	do	do	.86
	Atchison, Topeka and Santa Fe Rwy. Co.	do	9.47
	do	do	9.53
	do	do	10.28
	do	do	1.04
	Florida Central and Peninsular R. R. Co.	do	.64
	do	do	3.17
	The Atchison, Topeka and Santa Fe Rwy. Co.	do	5.37
	Savannah, Florida and Western Rwy. Co.	do	7.52
	Cleveland Terminal and Valley R. R.	do	2.86
	Florida Eastern Coast Rwy. Co.	do	2.39
	Atlantic Coast Line R. R. Co.	do	4.44
	Star Union Line.	do	9.26
	Jno. C. Davis.	do	6.73
	The Denver and Rio Grande R. R. Co.	do	7.76
	Boston and Albany R. R. Co.	do	.94
	Portland and Rochester R. R. Co.	do	2.45
	Wabash R. R. Co.	do	1.15
	do	do	2.37
	Fremont, Elkhorn and Missouri Valley R. R. Co.	do	2.39
	Chicago and West Michigan R. R. Co.	do	.64
	Chicago and Northwestern Rwy. Co.	do	1.00
	do	do	11.76
	do	do	4.22
	do	do	1.19
	The Cleveland Terminal and Valley R. R. Co.	do	.71
	New York, Chicago and St. Louis R. R. Co.	do	1.80
	Star Union Line	do	.67
	La Conner Trading and Transportation Co.	do	.45
	The Rio Grande Western Rwy.	do	3.01
	do	do	21.32
	The Fort Worth and Denver City Rwy. Co.	do	.88
	The Santa Fe, Prescott and Phoenix Rwy. Co.	do	1.15

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899. Nov. 6	The Santa Fé, Prescott and Phoenix Rwy. Co	Passenger transportation	\$0.50
	Portland and Rumford Falls Rwy. Co.	do .....	.79
	Seattle and Neah Bay Transportation Co.	do	33.95
	C. M. Olsen	Drayage	1.65
	Oregon R. R. and Navigation Co.	Transportation .....	.50
	Great Northern Rwy. Co.	do	86.65
	New Bedford, Martha's Vineyard and Nantucket Steamboat Co.	do	2.61
	Delaware, Lackawana and Western R. R. Co.	do .....	.35
	C. H. Mallory & Co	do	13.09
	do	do	8.76
	Pennsylvania R. R. Co.	do	32.00
	Steamer G. W. Danielson	do	4.31
	Cincinnati, Hamilton and Dayton Rwy. Co.	do .....	.48
	South Carolina and Georgia R. R. Co.	do .....	.50
	Gulf, Colorado and Santa Fé R. R. Co.	do	2.49
	Alabama and Vicksburg Rwy. Co.	do	6.12
	Chesapeake and Nashville Rwy. Co.	do .....	.46
	Baltimore and Ohio and Southwestern Rwy. Co.	do	30.79
	do	do	15.27
	Baltimore Steam Packet Co	do .....	.25
	Nashville, Chattanooga and St. Louis Rwy. Co.	do	2.85
	do	do	4.32
	Pennsylvania R. R. Co.	do	4.04
	do	do	2.46
	Mobile and Birmingham R. R. Co.	do	5.06
	Cincinnati, Hamilton and Dayton R. R. Co.	do .....	.62
	Atlanta and West Point R. R. and Western Rwy. of Alabama.	do	2.57
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do .....	.80
	Texas and Pacific Rwy. Co.	do	1.33
	do	do	2.36
	do	do .....	.88
	do	do	4.41
	New Orleans and Northeastern R. R. Co.	do	4.68
	Louisville and Nashville Rwy. Co.	do	4.09
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	1.04
	do	do	4.82
	Vandalia Line	do	1.16
	do	do .....	.79
	Nashville, Chattanooga and St. Louis Rwy. Co.	do	11.04
	Wisconsin Central Line	do .....	.30
	Alabama and Vicksburg R. R. Co.	do	6.44
	Evansville and Terre Haute R. R. Co.	do .....	.87
	Louisville, Evansville and St. Louis Consolidated R. R. Co.	do	3.07
	Mobile and Ohio R. R. Co.	do .....	.31
	do	do .....	.49
	Illinois Central R. R. Co.	do	3.77
	do	do .....	.74
	do	do	1.70
	Illinois Central R. R. Co.	do	16.38
	Hannibal and St. Joseph R. R. Co.	do	3.87
	do	do	5.11
	do	do	2.31
	do	do	1.60
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	2.71
	do	do	1.59
	Chicago, Rock Island and Pacific Rwy. Co.	do .....	.89
	do	do	1.52
	International and Great Northern R. R. Co.	do .....	.67
	Baltimore and Ohio Southwestern Rwy. Co.	do .....	.97
	Missouri Pacific Rwy. Co.	do	8.14
10	United States Express Co	do	10.40
	Total		66,227.62

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

RECAPITULATION.

First quarter.....	\$27,362.11
Second quarter.....	71,958.80
Third quarter.....	103,848.44
Fourth quarter.....	82,132.84
Supplement.....	66,227.62
Total.....	351,529.81

WEATHER BUREAU—GENERAL EXPENSE—SALARIES.

Date.	Name.	Nature of payment.	Total.
1898.			
July 19	E. T. Giers.....	Services.....	\$34.24
	C. T. Talman.....	do.....	34.24
	W. B. Stockman.....	do.....	61.14
20	Patrick McDonough.....	do.....	48.91
	Thos. Crawford.....	do.....	40.76
	Jno. N. Ryker.....	do.....	51.63
30	B. D. Johnson.....	do.....	25.00
	H. G. McDonald.....	do.....	47.93
	W. C. McGuinness.....	do.....	84.20
	W. L. Day.....	do.....	101.10
	Jno. W. Byram.....	do.....	101.10
	Geo. Reeder.....	do.....	101.10
	N. D. Lane.....	do.....	101.10
	A. H. Bell.....	do.....	101.10
	Wayland Bailey.....	do.....	101.10
	G. W. Eddey.....	do.....	92.70
	R. L. Anderson.....	do.....	70.80
	J. J. Doshier.....	do.....	60.60
	J. C. Piercy.....	do.....	101.10
	J. C. Hayden.....	do.....	70.80
	Chas. Stewart.....	do.....	101.10
	E. C. Hobbs.....	do.....	92.70
	M. B. De Vane.....	do.....	25.00
	J. P. Bolton.....	do.....	101.10
	P. B. Daly.....	do.....	32.26
	Marie R. Wood.....	do.....	20.00
	Geo. Howard.....	do.....	3.00
	A. C. Nelson.....	do.....	1.00
	R. M. Hardinge.....	do.....	109.50
	P. W. Hixon.....	do.....	3.00
	W. H. Pryor.....	do.....	2.00
	J. J. O'Donnell.....	do.....	84.20
	Al. Brand.....	do.....	101.10
	B. M. Jacobs.....	do.....	25.80
	C. T. Kryder.....	do.....	62.00
	F. R. Beahan.....	do.....	92.70
	Geo. L. Lovett.....	do.....	25.00
	R. Frank Young.....	do.....	101.10
	R. H. Dunbar.....	do.....	60.00
	J. P. Fallihee.....	do.....	60.60
	Danl. C. Murphy.....	do.....	101.10
	Jno. J. McLean.....	do.....	101.10
	Robt. G. Allen.....	do.....	101.10
	C. W. Ling.....	do.....	84.20
	Fred. Z. Gosewisch.....	do.....	101.10
	Geo. W. Scott.....	do.....	101.10
	E. M. Ravenscroft.....	do.....	92.80
	C. M. Boucher.....	do.....	25.00
	H. W. Grasse.....	do.....	60.60
	M. E. Conway.....	do.....	70.80
	Wm. A. Shaw.....	do.....	84.20
	Marsden Wright.....	do.....	84.20
	Chas. Adie.....	do.....	84.20
	O. B. Hart.....	do.....	60.00
	J. P. Slaughter.....	do.....	101.10
	R. S. Smith.....	do.....	60.60
	Maurice Connell.....	do.....	101.10
	Thos. Gibson.....	do.....	101.10
	Jas. A. Barwick.....	do.....	101.10
	Jno. R. Williams.....	do.....	101.10
	T. T. Collins.....	do.....	101.10
	W. P. Le Roy.....	do.....	33.70
	Ella W. Daniels.....	do.....	25.00
	Gideon S. Jones.....	do.....	84.20
	Benj. Masselink.....	do.....	41.09
	G. T. Todd.....	do.....	101.10
	Patek. Connor et al.....	Salaries.....	319.80
	Jas. J. Gray et al.....	do.....	256.10
	A. F. Sims et al.....	do.....	227.10

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	H. McP. Baldwin et al	Salaries	\$126.10
	J. B. Marbury et al	do	345.00
	David Fisher et al	do	121.10
	F. J. Walz et al	do	611.47
	M. B. Van Vradenburg et al	do	126.10
	B. H. Bronson et al	do	227.10
	M. J. Wright, jr., et al	do	126.10
	B. F. Schneider et al	do	142.90
	G. E. Franklin et al	do	230.60
	Geo. E. Hunt et al	do	451.10
	Geo. N. Wilson et al	do	126.10
	H. R. Patrick et al	do	109.20
	E. B. Richards et al	do	306.40
	N. B. Conger et al	do	348.50
	E. H. Bowie et al	do	126.10
	Jas. Kenealy et al	do	197.20
	T. J. Considine et al	do	195.30
	E. H. Nimmo et al	do	188.84
	I. M. Cline et al	do	361.90
	G. W. Felger et al	do	116.10
	A. B. Crane et al	do	126.10
	L. M. Dey et al	do	549.33
	W. T. Blythe et al	do	218.70
	Geo. B. Wurtz et al	do	89.20
	Frank Ridgway et al	do	355.99
	W. M. Edmondson et al	do	116.10
	B. S. Pague et al	do	476.60
	E. B. Jones et al	do	225.60
	C. F. von Herrmann et al	do	297.90
	E. A. Evans et al	do	318.99
	Orin Parker et al	do	180.30
	H. C. Frankenfield et al	do	525.40
	P. F. Lyons et al	do	272.90
	J. H. Smith et al	do	286.40
	H. H. Curley et al	do	116.10
	E. C. Thompson et al	do	126.10
	A. G. McAdie et al	do	710.70
	A. G. Burns et al	do	126.10
	H. B. Boyer et al	do	213.70
	G. N. Salisbury et al	do	239.10
	Chas. Davis et al	do	126.10
	U. G. Pursell et al	do	126.10
	H. E. Wilkinson et al	do	129.50
	Jno. Craig et al	do	134.50
	Jno. Glover et al	do	116.10
	J. E. Lanonette et al	do	129.50
	G. H. Hagen et al	do	185.30
	T. B. Jennings et al	do	142.90
	R. J. Hyatt et al	do	306.40
	H. B. Dick et al	do	127.70
	W. H. Fallon et al	do	210.30
	J. B. Blagden et al	do	111.20
	A. J. Mitchell et al	do	194.77
	G. A. Loveland et al	do	286.04
	J. G. Linsley et al	do	126.10
	C. M. Strong et al	do	227.10
	P. H. Smyth et al	do	284.50
	L. M. Pindell et al	do	215.75
	A. E. Hockett et al	do	147.90
	J. M. Sherier et al	do	193.70
	F. H. Brandenburg et al	do	427.70
	G. M. Chappel et al	do	434.36
	E. R. Demain et al	do	139.50
	S. L. Doshier et al	do	134.70
	J. W. Smith et al	do	219.00
	S. W. Glenn et al	do	217.20
	D. P. McCallum et al	do	117.70
	C. F. R. Wappenhaus et al	do	414.50
	J. W. Cronk et al	do	109.20
	W. U. Simons et al	do	180.10
	W. M. Fulton et al	do	141.40
	S. C. Emery et al	do	377.20
	T. S. Outram et al	do	314.90
	Wm. M. Dudley et al	do	186.90
	F. P. Chaffee et al	do	277.50
	H. C. Bate et al	do	400.90
	E. W. McGann et al	do	142.90
	L. M. Tarr et al	do	121.10
	R. E. Kirkam et al	do	538.70
	Eben. H. Emery et al	do	498.13

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
July 30	J. I. Widmeyer et al	Salaries	\$180.30
	L. A. Welsh et al	do	474.80
	J. W. Smith et al	do	601.10
	David Cuthbertson et al	do	427.70
	S. S. Bassler et al	do	503.50
	E. A. Beals et al	do	378.80
	H. W. Richardson et al	do	404.10
	R. Q. Grant et al	do	131.10
	L. N. Jesnuofsky et al	do	212.20
	W. S. Palmer et al	do	196.90
	Jno. Fitzgerald et al	do	555.50
	J. W. Bauer et al	do	124.50
	Louis Dorman	Services	48.91
Aug. 1	W. H. Alexander	do	27.39
	H. L. Ball	do	117.90
	W. W. Neifert et al	Salaries	256.30
	F. A. Carpenter	Services	101.10
5	Fitzhugh Newman	do	101.10
	C. P. Cronk	do	109.50
	E. J. Davenport	do	25.00
	W. M. Wilson et al	Salaries	464.60
13	Marie R. Wood	Services	22.00
	F. A. Tower	do	38.39
	D. D. Herr	do	17.42
	W. D. Fuller	do	18.26
17	F. L. Johnson	do	101.10
	Jos. Sands	do	60.60
	C. H. Booth	do	15.00
	F. C. Wildes	do	15.81
	E. W. Wheeler	do	20.00
	Clyde Hathaway	do	10.00
	Allen Buell	do	26.09
25	L. R. Carpenter	do	31.19
	Geo. D. Ackerman	do	22.83
31	W. E. Oliver	do	84.20
	J. J. O'Donnell	do	84.20
	B. D. Johnson	do	25.00
	Albert Brand	do	101.10
	W. C. McGuinness	do	84.20
	Benj. M. Jacobs	do	25.30
	C. P. Cronk	do	109.50
	Geo. L. Lovett	do	25.00
	R. F. Young	do	101.10
	J. W. Byram	do	101.10
	Geo. Reeder	do	101.10
	J. P. Fallihee	do	60.60
	D. C. Murphy	do	101.10
	N. D. Lane	do	101.10
	A. H. Bell	do	101.10
	F. R. Beahan	do	92.70
	Wayland Bailey	do	101.10
	Jos. P. Bolton	do	101.10
	Geo. W. Eddey	do	97.01
	R. L. Anderson	do	77.72
	C. W. Ling	do	84.20
	J. J. McLean	do	101.10
	R. G. Allen	do	101.10
	F. Z. Gosewisch	do	101.10
	J. J. Doshier	do	60.60
	Geo. W. Scott	do	101.10
	C. M. Boucher	do	25.00
	H. W. Grasse	do	60.60
	M. E. Conway	do	70.80
	P. B. Daly	do	40.00
	E. C. Hobbs	do	92.70
	Joseph Sands	do	60.60
	W. A. Shaw	do	84.20
	J. C. Piercy	do	101.10
	Marsden Wright	do	84.20
	J. C. Hayden	do	70.80
	Chas. Adie	do	84.20
	Otto B. Hart	do	60.00
	J. P. Slaughter	do	101.10
	R. S. Smith	do	60.60
	Chas. Stewart	do	101.10
	Maurice Connell	do	101.10
	Thos. Gibson	do	101.10
	J. A. Barwick	do	101.10
	Ford A. Carpenter	do	101.10
	J. J. Carpenter	do	12.58

198 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1898. Aug. 31	J. R. Williams	Services	\$101. 10
	H. L. Ball	do	117. 90
	T. S. Collins	do	101. 10
	Fitzhugh Newman	do	101. 10
	Wm. P. Le Roy	do	42. 10
	F. L. Johnson	do	101. 10
	Ella W. Daniels	do	25. 00
	H. C. Merrill	do	70. 80
	G. S. Jones	do	84. 20
	M. B. De Vane	do	25. 00
	J. W. Smith	do	126. 40
	R. H. Dunbar	do	56. 13
	Geo. T. Todd	do	101. 10
	Sumner Hackett	do	25. 00
	F. P. Holt	do	84. 20
	R. J. Hyatt	do	139. 40
	Chas. S. Gorgas	do	43. 48
	J. F. Hurley	do	77. 72
	C. H. Booth	do	15. 00
	E. W. Wheeler	do	20. 00
	W. B. Blythe	do	16. 00
	Henry Lucas	do	8. 39
	M. R. Gilbert	do	. 81
	D. M. Thompson	do	5. 00
	do	do	23. 00
	C. B. Gannaway	do	4. 00
	Ozias Whitman	do	77. 72
	J. E. Alsip	do	9. 50
	E. J. Davenport	do	25. 00
	J. I. Widmeyer et al	Salaries	180. 30
	L. A. Welsh et al	do	474. 80
	J. G. Linsley et al	do	126. 10
	C. M. Strong et al	do	227. 10
	A. B. Crane et al	do	126. 10
	L. M. Dey et al	do	572. 20
	G. B. Wurtz et al	do	89. 20
	F. Ridgway et al	do	385. 70
	W. M. Edmondson et al	do	116. 10
	E. P. Jones et al	do	225. 60
	B. S. Pague et al	do	476. 60
	C. F. von Herrmann et al	do	297. 90
	F. A. Evans et al	do	319. 80
	Orin Parker et al	do	180. 30
	Harry P. Boyer et al	do	213. 70
	Jas. H. Smith et al	do	202. 20
	H. H. Curley et al	do	114. 16
	E. C. Thompson et al	do	126. 10
	Alex G. Burns et al	do	126. 10
	G. N. Salisbury et al	do	239. 10
	Chas. Davis et al	do	126. 10
	Alex G. McAdie et al	do	724. 10
	U. G. Purssell et al	do	126. 10
	H. E. Wilkinson et al	do	129. 50
	Jno. Craig	do	134. 50
	Geo. J. Heck	do	373. 80
	Patrick F. Lyons	do	202. 10
	Jno. Grover	do	116. 10
	J. E. Lanonette	do	129. 50
	T. B. Jennings	do	142. 90
	C. E. Pauley	do	180. 00
	H. B. Dick	do	127. 70
	W. H. Fallon	do	210. 30
	J. B. Blagden	do	111. 20
	R. M. Harding	do	175. 70
	W. L. Day	do	187. 10
	Eben H. Emery et al	do	598. 90
	A. F. Sims et al	do	227. 10
	H. McP. Baldwin et al	do	126. 10
	David Fisher et al	do	121. 10
	J. B. Marbury et al	do	415. 80
	M. B. Van Vradenburg et al	do	126. 10
	F. J. Walz et al	do	614. 70
	B. H. Bronson et al	do	227. 10
	J. W. Smith et al	do	516. 90
	David Cuthbertson et al	do	356. 90
	L. N. Jesunofsky et al	do	212. 20
	P. H. Smyth et al	do	284. 50
	R. Q. Grant et al	do	131. 10
	L. M. Pindell et al	do	186. 90
	W. S. Palmer et al	do	196. 90

EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE. 199

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Aug. 31	Jno. Fitzgerald et al.	Salaries	\$555.50
	S. S. Bassler et al.	do	503.50
	E. A. Beals et al.	do	378.80
	A. E. Hackett et al.	do	147.90
	J. W. Bauer et al.	do	124.50
	H. W. Richardson et al.	do	408.41
	J. M. Sherier et al.	do	193.70
	F. H. Brandenburg et al.	do	427.70
	N. B. Conger et al.	do	419.30
	E. H. Bowie et al.	do	126.10
	Jas. Kenealy et al.	do	204.12
	T. J. Considine et al.	do	195.30
	E. H. Nimmo et al.	do	196.90
	E. M. Ravenscroft et al.	do	122.87
	I. M. Cline et al.	do	432.70
	G. W. Felger et al.	do	116.10
	E. R. Demain et al.	do	139.50
	S. L. Doshier et al.	do	134.70
	E. J. Glass et al.	do	188.70
	S. W. Glenn et al.	do	217.20
	D. P. McCallum et al.	do	117.70
	E. F. R. Wappenhaus et al.	do	251.00
	A. J. Mitchell et al.	do	222.20
	J. W. Cronk et al.	do	109.20
	W. U. Simons et al.	do	170.10
	Patrick Connor et al.	do	319.80
	W. M. Fulton et al.	do	141.40
	M. J. Wright, jr., et al.	do	126.10
	C. F. Schneider et al.	do	142.90
	G. A. Loveland et al.	do	294.10
	E. B. Richards et al.	do	313.32
	G. E. Franklin et al.	do	217.20
	G. E. Hunt et al.	do	426.68
	G. N. Wilson et al.	do	126.10
	H. R. Patrick et al.	do	109.20
	S. C. Emery et al.	do	361.18
	W. M. Wilson et al.	do	464.60
	T. S. Outram et al.	do	314.90
	W. M. Dudley et al.	do	178.19
	Frank P. Chaffee et al.	do	277.50
	W. W. Neifert et al.	do	270.30
	H. C. Bate et al.	do	308.20
	E. W. McGann et al.	do	142.90
	L. M. Tarr et al.	do	121.10
	J. J. Gray et al.	do	256.10
	H. T. Alciatore et al.	do	387.10
Sept. 2	Geo. H. Hagen et al.	do	185.30
	E. L. Renoe	Services	29.03
	Ferd. Harrison	do	77.72
	R. H. Sullivan	do	97.01
	H. A. McNally	do	97.01
	W. G. Burns	do	97.28
	H. C. Frankenfield	do	73.37
	Thos. L. Hallett	do	3.87
10	H. F. Alps	do	6.85
	B. P. Cooper	do	6.75
	D. D. Herr	do	60.00
	W. T. Blythe	do	118.21
	D. A. Seeley	do	13.70
	C. A. Hyle	do	13.70
12	Thos. L. Hallett	do	4.84
13	G. M. Chappel et al.	Salaries	424.40
	D. M. Thompson	Services	20.97
	W. F. Pfanner	do	16.13
16	R. E. Kerkam	do	151.60
	G. B. Ackerman	do	20.00
	Ferd. A. Tower	do	70.00
	Chas. Willis, jr.	do	4.00
	H. C. Thompson	do	10.00
20	G. J. P. Barger	do	8.06
30	A. F. Sims et al.	Salaries	220.80
	H. McP. Baldwin et al.	do	122.80
	J. B. Marbury et al.	do	403.40
	David Fisher et al.	do	117.80
	Ferd. J. Walz et al.	do	595.60
	M. B. Van Vradenburg et al.	do	122.80
	W. L. Day et al.	do	102.47
	Jas. J. Gray et al.	do	247.80
	J. I. Widmeyer et al.	do	174.40
	L. A. Welsh et al.	do	460.40

200 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1898. Sept. 30	J. J. Linsley et al	Salaries	\$122.80
	C. M. Strong et al	do	220.80
	A. B. Crane et al	do	122.80
	L. M. Dey et al	do	555.60
	W. G. Burns et al	do	212.60
	Geo. B. Wurtz et al	do	86.60
	W. M. Edmondson et al	do	112.80
	Edwd. P. Jones et al	do	218.80
	B. S. Pague et al	do	380.20
	C. F. von Herrmann et al	do	289.20
	Edwd. A. Evans et al	do	310.40
	H. C. Bale et al	do	409.60
	E. W. McGann et al	do	139.20
	L. M. Tarr et al	do	117.80
	Alex. G. McAdie et al	do	604.20
	E. H. Emery et al	do	609.20
	S. C. Emery et al	do	365.60
	W. M. Wilson et al	do	475.40
	W. M. Dudley et al	do	181.20
	F. P. Chaffee et al	do	250.00
	W. U. Simons et al	do	174.80
	W. M. Fulton et al	do	137.20
	M. J. Wright, jr., et al	do	122.80
	C. F. Schneider et al	do	207.60
	Geo. E. Hunt et al	do	424.60
	Geo. N. Wilson et al	do	122.80
	H. R. Patrick et al	do	106.60
	Thos. J. Outram et al	do	348.60
	Sam'l L. Dorsher et al	do	130.60
	Wm. W. Neifert et al	do	204.40
	E. C. Hobbs et al	do	148.40
	E. J. Glass et al	do	182.60
	S. W. Glenn et al	do	210.60
	D. P. McCallum et al	do	114.60
	C. F. R. Wappenhaus et al	do	422.40
	Alex. J. Mitchell et al	do	215.60
	J. W. Cronk et al	do	106.60
	Patrick Connor et al	do	299.53
	N. B. Conger et al	do	406.40
	H. W. Richardson et al	do	228.80
	T. J. Considine et al	do	189.40
	E. H. Nimmo et al	do	122.80
	E. M. Ravenscroft et al	do	122.80
	I. M. Cline et al	do	419.60
	E. R. Demain et al	do	136.00
	Jacob W. Bauer et al	do	121.00
	J. W. Smith et al	do	424.60
	J. M. Sherier et al	do	187.60
	F. H. Brandenburg et al	do	414.60
	Geo. M. Chappellet et al	do	411.20
	E. A. Bowie et al	do	122.80
	W. S. Palmer et al	do	191.20
	Chas. E. Linney et al	do	555.20
	S. S. Bassler et al	do	488.00
	E. A. Beals et al	do	367.40
	A. E. Hackett et al	do	144.20
	J. W. Smith et al	do	501.20
	David Cuthbertson et al	do	346.20
	Patrick H. Smyth et al	do	276.00
	L. N. Jesunofsky et al	do	205.60
	R. Q. Grant et al	do	127.80
	L. M. Pindell et al	do	181.20
	Orin Parker et al	do	174.40
	B. P. Cooper et al	do	381.20
	Patrick F. Lyons et al	do	277.40
	Jas. H. Smith et al	do	277.20
	H. H. Curley et al	do	112.80
	F. A. Carpenter et al	do	112.80
	E. C. Thompson et al	do	132.80
	Geo. H. Willson et al	do	628.27
	H. B. Boyer et al	do	207.60
	G. N. Salisbury et al	do	251.80
	Chas. Davis et al	do	122.80
	Alex. G. Burns et al	do	122.80
	H. E. Wilkinson	do	126.00
	Jno. Craig	do	131.00
	Jno. Grover	do	112.80
	J. E. Lanonette	do	126.00
	G. H. Hager	do	179.40
	Thorp P. Jennings	do	139.20

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1898. Sept. 30	R. J. Hyatt.....	Salaries.....	\$321.80
	H. B. Dick.....	do.....	124.60
	W. H. Fallon.....	do.....	204.40
	Jno. D. Blagdon.....	do.....	107.60
	B. H. Bronson.....	do.....	220.80
	G. E. Franklin.....	do.....	210.60
	G. A. Loveland.....	do.....	286.80
	Frank Ridgeway.....	do.....	373.60
	U. G. Purssell.....	do.....	122.80
	G. W. Felger.....	Services.....	97.80
	Wm. E. Oliver.....	do.....	81.60
	Jno. J. O'Donnell.....	do.....	81.60
	Albert Brand.....	do.....	97.80
	W. C. McGuinness.....	do.....	81.60
	Benj. M. Jacobs.....	do.....	24.40
	L. A. Judkins.....	do.....	43.48
	Balfe, D. Johnson.....	do.....	25.00
	Corydon B. Cronk.....	do.....	106.00
	Geo. L. Lovett.....	do.....	25.00
	Jas. Keneally.....	do.....	146.80
	J. W. Byram.....	do.....	97.80
	Geo. Reeder.....	do.....	97.80
	Geo. T. Todd.....	do.....	97.80
	J. P. Fallihee.....	do.....	58.80
	Dan. C. Murphy.....	do.....	97.80
	N. D. Lane.....	do.....	97.80
	A. M. Bell.....	do.....	97.80
	F. R. Beahan.....	do.....	89.60
	Wayland Bailey.....	do.....	97.80
	J. P. Bolton.....	do.....	97.80
	Geo. W. Eddey.....	do.....	97.80
	R. L. Anderson.....	do.....	81.60
	C. W. Ling.....	do.....	81.60
	J. J. McLean.....	do.....	97.80
	Robt. G. Allen.....	do.....	97.80
	Fredk. Z. Gosewisch.....	do.....	97.80
	J. J. Doshier.....	do.....	58.80
	Geo. W. Scott.....	do.....	97.80
	C. H. Boucher.....	do.....	25.00
	Geo. E. Bolls.....	do.....	27.39
	H. W. Grasse.....	do.....	58.80
	M. E. Conway.....	do.....	68.40
	Wm. A. Shaw.....	do.....	81.60
	Jos. C. Piercy.....	do.....	97.80
	Marsden Wright.....	do.....	81.60
	J. C. Hayden.....	do.....	68.40
	Chas. Adie.....	do.....	81.60
	O. B. Hart.....	do.....	60.00
	A. B. Wollaber.....	do.....	106.00
	J. P. Slaughter.....	do.....	97.80
	Robt. S. Smith.....	do.....	58.80
	Chas. Stewart.....	do.....	97.80
	Maurice Connell.....	do.....	97.80
	Thos. Gibson.....	do.....	97.80
	Jas. A. Barwick.....	do.....	97.80
	Jno. R. Williams.....	do.....	97.80
	H. L. Ball.....	do.....	114.20
	T. S. Collins.....	do.....	97.80
	M. T. Pfanner.....	do.....	25.00
	E. J. Davenport.....	do.....	25.00
	W. T. Blythe.....	do.....	122.20
	Fitzhugh Newton.....	do.....	97.80
	F. L. Johnson.....	do.....	97.80
	W. P. LeRoy.....	do.....	40.80
	Ella W. Daniels.....	do.....	25.00
	H. C. Merrill.....	do.....	68.40
	Gideon S. Jones.....	do.....	81.60
	M. B. DeVane.....	do.....	25.00
	D. B. Slaughter.....	do.....	10.00
	F. A. Tower.....	do.....	32.67
	E. W. Wheeler.....	do.....	20.00
	A. H. Edwards.....	do.....	8.67
	L. F. Sweatt.....	do.....	10.00
	C. H. Booth.....	do.....	15.00
	Jno. Hackett.....	do.....	11.00
	G. W. Swan.....	do.....	15.98
	W. L. McKay.....	do.....	11.41
	R. Frank Young.....	do.....	97.80
	E. B. Richards.....	do.....	122.20

202 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 30	E. C. Bennett	Services	\$18.00
	do	do	16.00
	Total first quarter		90,435.70
Oct. 1	E. B. Dunn	Services	58.70
6	E. L. Renoe	do	25.00
	R. M. Hardinge	do	106.00
11	J. B. Houx	do	9.17
17	Fant Diggs	do	10.00
	Geo. G. Harkness et al.	Salaries	188.20
18	E. C. Scott	Services	5.50
20	H. F. Alps	do	68.40
26	C. H. Booth	do	26.00
	J. P. Mockler	do	30.00
	F. J. Pabst	do	4.00
31	E. H. Emery et al	Salaries	627.90
	Orin Parker et al	do	180.30
	J. G. Linsley et al	do	126.10
	H. B. Boyer et al	do	213.70
	E. A. Evans et al	do	319.80
	J. J. Gray et al	do	256.10
	L. A. Welsh et al	do	474.80
	C. M. Strong et al	do	142.90
	A. B. Crane et al	do	126.10
	F. Ridgway et al	do	385.70
	L. M. Dey et al	do	572.20
	Wm. G. Burns et al	do	218.70
	Geo. B. Wurtz et al	do	186.90
	T. B. Jennings et al	do	213.70
	J. E. Lanonette et al	do	129.50
	Jno. Craig et al	do	198.41
	Jno. Grover et al	do	116.10
	H. E. Wilkinson et al	do	200.30
	U. G. Pursell et al	do	126.10
	Wm. P. Blythe et al	do	281.40
	E. C. Thompson et al	do	126.10
	F. A. Carpenter et al	do	116.10
	Geo. H. Willson et al	do	660.20
	H. C. Bate et al	do	422.70
	H. H. Curley et al	do	116.10
	Jas. H. Smith et al	do	185.30
	R. J. Hyatt et al	do	544.90
	R. M. Hardinge et al	do	180.30
	H. B. Hersey et al	do	53.26
	Jas. J. Widmeyer et al	do	166.57
	C. F. von Herrmann et al	do	297.90
	Frank P. Chaffee et al	do	317.01
	E. P. Jones et al	do	225.60
	Patrick F. Lyons et al	do	286.30
	W. M. Edmondson et al	do	47.61
	Alex. G. Burns et al	do	101.91
	G. N. Salisbury et al	do	239.10
	Dan. P. McCallum et al	do	125.27
	David Fisher et al	do	121.10
	A. F. Sims et al	do	235.60
	M. B. Van Vradenburg et al	do	126.10
	David Cuthbertson et al	do	427.70
	J. W. Smith et al	do	601.10
	Wm. W. Neifert et al	do	210.30
	J. D. Blagden et al	do	111.20
	H. B. Dick et al	do	127.70
	Byron H. Bronson et al	do	227.10
	W. H. Fallon et al	do	197.40
	Jno. B. Marbury et al	do	415.80
	H. McP. Baldwin et al	do	126.10
	Ferd. J. Walz et al	do	614.70
	Chas. E. Linney et al	do	656.60
	Patrick H. Smith et al	do	200.30
	E. A. Beals et al	do	601.20
	J. W. Smyth et al	do	437.70
	A. E. Hackett et al	do	172.90
	L. N. Jesunofsky et al	do	212.20
	J. W. Bauer et al	do	124.50
	S. S. Bassler et al	do	419.30
	Chas. Davis et al	do	131.10
	J. W. Cronk et al	do	101.14
	G. A. Loveland et al	do	224.81
	E. B. Richards et al	do	319.80
	B. S. Pague et al	do	308.20

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1898. Oct. 31	Wm. S. Currier et al	Salaries	\$295.10
	L. M. Pindell et al	do	199.47
	W. S. Palmer et al	do	205.30
	T. J. Considine et al	do	195.30
	E. H. Nimmo et al	do	196.90
	J. M. Sherier et al	do	193.70
	Geo. M. Chappel et al	do	424.40
	F. H. Brandenburg et al	do	427.70
	N. B. Conger et al	do	419.30
	G. W. Felger et al	do	126.10
	I. M. Cline et al	do	432.70
	Geo. T. Todd et al	do	171.90
	E. H. Bowie et al	do	126.10
	H. W. Richardson et al	do	306.40
	Alex. J. Mitchell et al	do	222.20
	W. U. Simons et al	do	180.10
	E. M. Ravenscroft et al	do	126.10
	E. R. Demain et al	do	139.50
	S. L. Doshier et al	do	134.70
	E. J. Glass et al	do	188.70
	S. W. Glenn et al	do	217.20
	S. C. Emery et al	do	306.40
	W. M. Fulton et al	do	186.90
	Patek Connor et al	do	304.08
	C. F. R. Wappenhaus et al	do	446.40
	M. J. Wright, jr., et al	do	126.10
	Chas. F. Schneider et al	do	213.70
	Geo. E. Franklin et al	do	217.20
	Geo. N. Wilson et al	do	126.10
	H. R. Patrick et al	do	109.20
	W. M. Wilson et al	do	489.80
	T. S. Outram et al	do	360.70
	W. M. Dudley et al	do	186.90
	E. C. Hobbs et al	do	153.30
	E. W. McGann et al	do	142.90
	L. M. Tarr et al	do	121.10
	Alex. G. McAdie et al	do	538.70
	M. B. DeVane	Services	25.00
	Gideon S. Jones	do	84.20
	Ella W. Daniels	do	25.00
	F. L. Johnson	do	101.10
	Chas. Stewart	do	101.10
	J. P. Slaughter	do	101.10
	J. A. Barwick	do	101.10
	Thos. Gibson	do	101.10
	Maurice Connell	do	101.10
	Jno. R. Williams	do	101.10
	T. S. Collins	do	101.10
	Fitzhugh Newman	do	101.10
	Jos. P. Bolton	do	101.10
	R. Q. Grant	do	101.10
	Albert Brand	do	101.10
	Walcott L. Day	do	101.10
	R. Frank Young	do	101.10
	J. W. Bryam	do	101.10
	Geo. Reeder	do	101.10
	D. C. Murphy	do	101.10
	H. L. Ball	do	117.90
	S. M. Blandford	do	109.50
	C. P. Cronk	do	109.50
	A. H. Bell	do	101.10
	N. D. Lane	do	101.10
	R. G. Allen	do	101.10
	Waland Bailey	do	101.10
	Geo. W. Eddey	do	101.10
	J. C. Piercy	do	101.10
	J. J. McLean	do	101.10
	Geo. W. Scott	do	101.10
	F. C. Gosewisch	do	101.10
	E. E. Spencer	do	96.20
	N. R. Taylor	do	96.20
	F. R. Beahan	do	92.70
	Marsden Wright	do	84.20
	W. A. Shaw	do	84.20
	Chas. Adie	do	84.20
	J. J. Kelliher	do	84.20
	C. W. Ling	do	84.20
	R. C. Anderson	do	84.20
	W. C. McGuiness	do	84.20
	J. J. O'Donnell	do	84.20

204 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 31	W. E. Oliver	Services	\$84. 20
	Wm. J. Reed	do	77. 28
	C. K. Robinson	do	70. 80
	M. E. Conway	do	70. 80
	J. C. Hayden	do	70. 80
	L. J. Guthrie	do	68. 48
	J. P. Fallihee	do	60. 60
	J. J. Doshier	do	60. 60
	R. S. Smith	do	60. 60
	H. W. Grasse	do	60. 60
	Otto B. Hart	do	58. 06
	E. F. Groene	do	48. 87
	E. D. McKenna	do	43. 48
	Wm. P. Le Roy	do	42. 10
	B. F. Jacobs	do	25. 30
	B. D. Johnson	do	25. 00
	C. M. Boucher	do	25. 00
	E. J. Davenport	do	25. 00
	W. M. Johnson	do	24. 19
	G. L. Lovette	do	20. 97
	C. C. Garrett	do	20. 16
	J. H. Powell	do	16. 13
	C. H. Booth	do	15. 00
	M. R. Sanford	do	4. 57
Nov. 3	Geo. E. Hunt	do	151. 60
	Jno. C. Dabney	do	70. 80
	Geo. B. Ackerman	do	27. 39
	do	do	70. 80
	J. B. Dillon	do	70. 80
	J. F. Nichols	do	45. 00
	do	do	33. 00
	E. L. Renoe	do	25. 00
	S. P. Gresham et al	do	286. 10
21	Geo. P. La Barre	do	8. 87
	D. B. Slaughter	do	9. 00
	A. B. Wallaber	do	49. 45
	H. McP. Baldwin et al	Salaries	122. 80
	David Fisher et al	do	117. 80
	M. B. VanVradenberg et al	do	122. 80
	David Cuthbertson et al	do	414. 60
	S. S. Bassler et al	do	406. 40
	J. W. Smith et al	do	424. 60
	Norman B. Conger et al	do	406. 40
	I. M. Cline	do	488. 00
30	G. W. Fegler et al	do	122. 80
	S. W. Glenn et al	do	210. 60
	Patek Connor et al	do	297. 20
	M. J. Wright, jr. et al	do	122. 80
	Geo. A. Loveland et al	do	286. 80
	E. P. Richards et al	do	310. 40
	G. E. Franklin et al	do	210. 60
	G. N. Wilson et al	do	122. 80
	T. S. Outram et al	do	348. 60
	E. C. Hobbs et al	do	148. 40
	E. W. McGann et al	do	139. 20
	A. G. McAdie et al	do	522. 60
	J. J. Gray et al	do	247. 80
	Jas. J. Widmeyer et al	do	199. 40
	L. A. Welsh et al	do	297. 20
	J. G. Linsley et al	do	122. 80
	L. M. Dey et al	do	555. 60
	E. P. Jones et al	do	218. 80
	R. J. Hyatt et al	do	527. 95
	Jas. H. Smith et al	do	179. 40
	H. H. Curley et al	do	112. 80
	Geo. H. Willson et al	do	371. 20
	Geo. N. Salisbury et al	do	231. 80
	D. P. McCullum et al	do	122. 80
	N. G. Purssell et al	do	122. 80
	H. G. Wilkinson et al	do	194. 40
	Wm. S. Currier et al	do	204. 40
	W. T. Blythe et al	do	272. 20
	Harvey B. Dick et al	do	124. 60
	Jno. D. Blagden et al	do	107. 60
	Albert Ashenberger	Services	93. 73
	J. P. Bolton	do	97. 80
	C. M. Boucher	do	25. 00
	H. W. Grasse	do	58. 80
	Wm. A. Shaw	do	81. 60
	E. L. Douglas	do	81. 60

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.	R. E. Glenn	Services	\$17.12
Nov. 30	Saml. L. Doshier et al.	Salaries	130.60
	E. J. Glass et al.	do	182.60
	C. F. R. Wappenhaus et al.	do	432.20
	Alex J. Mitchell et al.	do	215.60
	W. U. Simons	do	174.80
	W. M. Fulton et al.	do	112.80
	H. B. Hersey et al.	do	433.39
	H. R. Patrick et al.	do	106.60
	S. E. Emery et al.	do	297.20
	W. M. Dudley et al.	do	181.20
	W. M. Wilson et al.	do	475.40
	F. P. Chaffee et al.	do	308.40
	W. W. Neiret et al.	do	204.40
	Henry C. Bate et al.	do	341.20
	L. M. Tarr et al.	do	122.46
	Elber H. Emery et al.	do	609.20
	Chas. M. Strong et al.	do	207.60
	Arthur B. Crane et al.	do	122.80
	Wm. G. Burns et al.	do	212.60
	O. C. Burrows et al.	do	83.40
	Frank Ridgway et al.	do	359.43
	R. Q. Grant et al.	do	112.80
	C. F. von Herrmann et al.	do	289.20
	E. A. Evans et al.	do	228.80
	Orin Parker et al.	do	174.40
	P. F. Lyons et al.	do	277.40
	F. A. Carpenter et al.	do	112.80
	Saml. B. Blandford et al.	do	199.40
	J. W. Smith et al.	do	719.60
	P. H. Smyth et al.	do	194.40
	L. N. Jesunofsky et al.	do	205.60
	Chas. Davis et al.	do	127.80
	L. M. Pindell et al.	do	194.40
	W. S. Palmer et al.	do	199.40
	C. E. Linney et al.	do	623.60
	E. A. Beals et al.	do	582.60
	A. E. Hackett et al.	do	169.20
	J. M. Sherier et al.	do	187.60
	F. H. Brandenburg et al.	do	515.56
	Geo. M. Chappel et al.	do	403.20
	Geo. T. Todd et al.	do	166.20
	E. H. Bowie et al.	do	191.20
	H. W. Richardson et al.	do	297.20
	T. J. Considine et al.	do	189.40
	Geo. B. Wurtz et al.	do	111.97
	E. H. Nimmo et al.	do	191.20
	E. M. Ravenscroft et al.	do	122.80
	E. R. Demain et al.	do	136.00
	W. E. Oliver	Services	81.60
	Jno. J. O'Donnell	do	81.60
	B. D. Johnson	do	25.00
	Albert Brand	do	97.80
	W. C. McGuiness	do	81.60
	B. M. Jacobs	do	24.40
	W. I. Day	do	97.80
	C. P. Cronk	do	106.00
	Geo. L. Lovett	do	25.00
	R. F. Young	do	97.80
	J. W. Bauer	do	106.00
	J. W. Byram	do	97.80
	Geo. Reeder	do	97.80
	J. P. Fallihee	do	58.80
	Dan. C. Murphy	do	97.80
	N. D. Lane	do	97.80
	A. H. Bell	do	97.80
	F. R. Beahan	do	89.60
	Wayland Bailey	do	97.80
	G. W. Eddy	do	97.80
	R. L. Anderson	do	81.60
	C. W. Ling	do	81.60
	J. J. Kalliher	do	81.60
	J. J. McLean	do	97.80
	R. G. Allen	do	97.80
	J. W. Cronk	do	81.60
	Fred. Z. Grosewisch	do	97.80
	J. J. Doshier	do	58.80
	Geo. W. Scott	do	97.80
	Danl. J. Herndon	do	97.80
	T. S. Collins	do	97.80

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.	M. E. Conway	Services	\$68.40
Nov. 30	J. C. Piercy	do	97.80
	L. H. Daingerfield	do	68.40
	Marsden Wright	do	81.60
	J. C. Hayden	do	68.40
	Chas. Adie	do	81.80
	H. C. Merrill	do	68.40
	J. P. Slaughter	do	97.80
	R. S. Smith	do	58.80
	Chas. Stewart	do	97.80
	Maurice Connell	do	97.80
	Thos. Gibson	do	97.80
	Jas. A. Barwick	do	97.80
	J. R. Williams	do	97.80
	H. L. Ball	do	114.20
	J. S. Hazen	do	97.80
	E. J. Davenport	do	25.00
	Jas. H. Powell	do	3.33
	do	do	21.67
	C. L. Shaver	do	97.80
	Wm. J. Reed	do	81.60
	Frank E. Pyne	do	81.60
	F. L. McClintic	do	68.40
	M. B. De Vane	do	25.00
	B. S. Pague et al	Salaries	323.60
	W. M. Edmondson	Services	16.30
	D. R. Morris	do	10.00
	Jno. F. Nichols	do	36.00
	Fitzhugh Newman	do	97.80
	W. P. Le Roy	do	49.80
	F. L. Johnson	do	97.80
	Ella W. Daniels	do	25.00
	Geo. B. Ackerman	do	68.40
	Gid. S. Jones	do	81.60
	Alfred F. Sims et al	Salaries	312.33
	J. B. Marbury et al	do	408.40
	F. J. Walz et al	do	595.60
	B. H. Bronson et al	do	220.80
	E. C. Thompson et al	do	122.80
	R. M. Hardinge et al	do	174.40
	Alex. G. Burnset et al	do	191.20
	H. B. Boyer et al	do	207.60
	Jno. Craig et al	do	199.40
	Jno. Grover et al	do	112.80
	G. H. Hagen et al	do	117.80
	T. B. Jennings et al	do	139.20
	W. H. Fallon et al	do	204.40
	J. W. Halford	Services	81.60
	Wm. A. Coyle	do	8.33
	Geo. B. McGoogan	do	25.11
Dec. 2	Elizabeth L. Renoe	do	25.00
	R. E. Glenn	do	24.40
5	J. E. Lanonette	do	35.33
	E. W. Wheeler	do	20.00
	B. P. Harrison	do	12.90
	Jno. F. Nichols	do	33.00
	H. D. Ponnay	do	77.00
6	C. F. Schneider et al.	Salaries	139.20
16	Edith B. Gibbs	Services	16.00
	T. F. Randolph	do	30.50
	Geo. A. Loveland	do	8.15
	A. R. Teeple	do	13.70
	J. F. Nichols	do	43.48
	R. T. Merriwether	do	8.18
	A. B. Wollaber	do	17.68
22	H. D. Ponnay	do	63.00
	Wm. A. Coyle	do	5.83
31	D. R. Morris	do	10.00
	Geo. T. Todd	do	101.10
	J. P. Fallihee	do	60.60
	D. C. Murphy	do	101.10
	N. D. Lane	do	101.10
	A. H. Bell	do	101.10
	Elizabeth L. Renoe	do	25.00
	F. R. Beahan	do	92.70
	Wayland Bailey	do	101.10
	O. D. Stewart	do	101.10
	Geo. W. Eddy	do	101.10
	R. L. Anderson	do	84.20
	Chas. W. Ling	do	84.20

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Dec. 31	J. J. Kelliher	Services	\$84.20
	J. J. McLean	do	101.10
	Robt. G. Allen	do	179.50
	J. W. Cronk	do	84.20
	F. C. Gosewisch	do	101.10
	J. J. Doshier	do	60.60
	G. W. Scott	do	101.10
	Dan'l J. Herndon	do	101.10
	T. S. Collins	do	101.10
	H. McP. Baldwin	do	101.10
	Jos. P. Bolton	do	101.10
	E. F. Williams	do	20.00
	R. H. Sullivan	do	25.00
	R. H. Alger	do	19.84
	Chas. M. Boucher	do	25.00
	H. W. Grasse	do	60.60
	M. E. Conway	do	70.80
	Wm. J. Reed	do	84.20
	Wm. A. Shaw	do	84.20
	J. C. Piercy	do	101.10
	Marsden Wright	do	84.20
	J. C. Hayden	do	70.80
	Chas. Adie	do	84.20
	J. P. Slaughter	do	101.10
	R. S. Smith	do	60.60
	Chas. Stewart	do	101.10
	Maurice Connell	do	101.10
	Thos. Gibson	do	101.10
	J. A. Barwick	do	101.10
	Jno. R. Williams	do	101.10
	Hector L. Ball	do	117.90
	J. S. Hazen	do	101.10
	E. J. Davenport	do	25.00
	Fitzhugh Newman	do	45.67
	Wm. P. Le Roy	do	42.10
	F. L. Johnson	do	101.10
	Ella W. Daniels	do	25.00
	Geo. B. Ackerman	do	70.80
	G. S. Jones	do	84.20
	M. B. De Vane	do	25.00
	L. H. Murdock	do	126.40
	Sam'l Bacon, jr	do	19.35
	O. C. Burrows	Salary	70.80
	Wm. E. Oliver	Services	84.20
	J. J. O'Donnell	do	84.20
	B. D. Johnson	do	25.00
	Albert Brand	do	101.10
	M. C. McGuinness	do	84.20
	B. M. Jacobs	do	25.30
	W. J. Day	do	101.10
	C. P. Cronk	do	109.50
	Geo. L. Lovett	do	25.00
	R. Frank Young	do	101.10
	J. W. Bauer	do	109.50
	J. W. Byram	do	101.10
	Geo. Reeder	do	101.10
	Jos. B. Dillon	do	70.80
	Ferd. J. Walz et al	Salaries	611.17
	M. B. Van Vrandenburg et al	do	126.10
	B. H. Bronson et al	do	227.10
	David Cuthbertson et al	do	427.70
	L. M. Pindell et al	do	200.30
	S. S. Bassler et al	do	419.30
	E. A. Beals et al	do	761.40
	Geo. M. Chappel et al	do	415.90
	N. B. Conger et al	do	490.10
	H. W. Richardson	do	306.40
	C. L. Shaver	Services	48.91
	G. W. Felger et al	Salaries	126.10
	S. W. Glenn et al	do	217.20
	M. J. Wright, jr., et al	do	126.10
	Geo. A. Loveland et al	do	294.10
	Geo. N. Wilson et al	do	113.20
	H. R. Patrick et al	do	109.20
	W. M. Wilson et al	do	487.38
	T. S. Outram et al	do	360.70
	H. C. Bates et al	do	451.41
	E. C. Hobbs et al	do	153.30
	E. W. McGann et al	do	142.90
	Alex. G. McAdie et al	do	622.90

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1898. Dec. 31	Jas. J. Gray et al.....	Salaries.....	\$256.10
	Jas. J. Widmeyer et al.....	do.....	205.30
	L. A. Welsh et al.....	do.....	306.40
	J. G. Linsley et al.....	do.....	126.10
	A. F. Sims et al.....	do.....	306.40
	Jno. B. Marbury et al.....	do.....	331.60
	David Fisher et al.....	do.....	121.10
	S. M. Blandford et al.....	do.....	168.78
	J. W. Smith et al.....	do.....	742.70
	P. H. Smyth et al.....	do.....	200.30
	L. N. Jesunofsky et al.....	do.....	212.20
	Chas. Davis et al.....	do.....	131.10
	W. S. Palmer et al.....	do.....	295.80
	Jas. Kenealy et al.....	do.....	432.70
	A. E. Hackett et al.....	do.....	172.90
	J. W. Smith et al.....	do.....	457.05
	J. M. Sherier et al.....	do.....	193.70
	E. H. Bowie et al.....	do.....	196.70
	Albert Ashenberger et al.....	do.....	126.10
	T. J. Considine et al.....	do.....	195.90
	Geo. B. Wurtz et al.....	do.....	126.10
	E. H. Nimmo et al.....	do.....	196.90
	E. M. Ravenscroft et al.....	do.....	126.10
	I. M. Cline et al.....	do.....	432.70
	E. R. Demain et al.....	do.....	139.50
	S. L. Doshier et al.....	do.....	134.70
	E. J. Glass et al.....	do.....	188.70
	C. F. R. Wappenhaus et al.....	do.....	446.40
	Alex. J. Mitchell et al.....	do.....	293.00
	Patrick Connor et al.....	do.....	293.00
	W. U. Simons et al.....	do.....	180.10
	W. M. Fulton et al.....	do.....	141.40
	H. B. Boyer et al.....	do.....	213.70
	G. N. Salisbury et al.....	do.....	239.10
	D. P. McCallum et al.....	do.....	126.10
	U. G. Purssell et al.....	do.....	126.10
	H. E. Wilkinson et al.....	do.....	200.30
	Jno. Craig et al.....	do.....	134.50
	Jno. Grover et al.....	do.....	116.10
	G. H. Hagen et al.....	do.....	121.10
	W. S. Currier et al.....	do.....	210.30
	T. B. Jennings et al.....	do.....	142.90
	W. T. Blythe et al.....	do.....	306.40
	H. B. Dick et al.....	do.....	127.70
	W. H. Fallon et al.....	do.....	210.30
	F. H. Brandenburg et al.....	do.....	527.69
	Lee A. Denson et al.....	do.....	114.81
	J. H. Smith et al.....	do.....	185.30
	W. M. Dudley et al.....	do.....	186.90
	R. J. Hyatt et al.....	do.....	545.65
	H. B. Hersey et al.....	do.....	451.10
	G. E. Franklin et al.....	do.....	217.20
	C. F. Schneider et al.....	do.....	142.90
	S. C. Emery et al.....	do.....	306.40
	F. P. Chaffee et al.....	do.....	318.30
	W. W. Neifert et al.....	do.....	210.30
	L. M. Tarr et al.....	do.....	126.10
	E. H. Emery et al.....	do.....	627.90
	Chas. M. Strong et al.....	do.....	213.70
	A. B. Crane et al.....	do.....	126.10
	L. M. Dey et al.....	do.....	572.20
	W. G. Burns et al.....	do.....	218.70
	Frank Ridgway et al.....	do.....	345.20
	R. O. Grant et al.....	do.....	116.10
	E. P. Jones et al.....	do.....	225.60
	B. S. Pague et al.....	do.....	597.70
	C. F. von Herrmann et al.....	do.....	382.10
	E. A. Evans et al.....	do.....	306.40
	Orin Parker et al.....	do.....	180.30
	P. F. Lyons et al.....	do.....	286.30
	H. H. Curley et al.....	do.....	200.30
	F. A. Carpenter et al.....	do.....	116.10
	E. C. Thompson et al.....	do.....	126.10
	G. H. Willson et al.....	do.....	589.40
	R. M. Hardinge et al.....	do.....	180.30
	Alex. G. Burns et al.....	do.....	126.10
	Total, second quarter.....		95,239.05

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 5	R. C. Williams	Services	\$12. 90
	E. B. Richards et al.	Salaries	308. 68
7	J. D. Blagden	Services	111. 20
	Wm. H. Carpenter	do	10. 87
10	J. H. Kimball	do	14. 00
17	Jno. J. Herron	do	13. 59
19	Alex. P. Thoms	do	4. 03
	W. T. Sherard	do	22. 16
20	E. B. Richards	do	43. 38
30	Paul F. Wagner	do	62. 50
	Jay A. Bonsteel	do	3. 23
	Paul F. Wagner	do	32. 50
31	Maurice Connell	do	103. 30
	Thos. Gibson	do	103. 30
	Jas. A. Barwick	do	103. 30
	L. H. Murdock	do	129. 20
	Jno. R. Williams	do	103. 30
	H. L. Ball	do	120. 60
	L. G. Schultz	do	72. 30
	Wm. P. Le Roy	do	43. 10
	F. L. Johnson	do	103. 30
	Ella W. Daniels	do	25. 00
	Geo. B. Ackerman	do	72. 30
	Wm. E. Oliver	do	86. 10
	Jno. J. O'Donnell	do	86. 10
	B. D. Johnson	do	25. 00
	Albert Brand	do	103. 30
	W. C. McGuinness	do	86. 10
	W. L. Day	do	103. 30
	C. P. Cronk	do	111. 90
	Geo. L. Lovett	do	25. 00
	R. F. Young	do	103. 30
	J. W. Bauer	do	111. 90
	Jno. W. Byram	do	103. 30
	Geo. Reeder	do	103. 30
	D. E. Morris	do	10. 00
	Max Wagner	do	44. 44
	G. T. Todd	do	103. 30
	J. P. Fallihee	do	62. 00
	A. H. Bell	do	103. 30
	N. D. Lane	do	103. 30
	F. R. Beahan	do	94. 70
	Wayland Bailey	do	103. 30
	G. W. Eddey	do	103. 30
	R. L. Anderson	do	86. 10
	Chas. W. Ling	do	86. 10
	A. H. Earle	do	12. 10
	Chas. M. Boucher	do	25. 00
	Wm. A. Shaw	do	86. 10
	E. J. Davenport	do	25. 00
	G. S. Jones	do	86. 10
	Francis C. Hall	do	86. 10
	Jos. P. Bolton	do	103. 30
	D. C. Murphy	do	103. 30
	H. McP. Baldwin	do	103. 30
	H. Curtis	do	16. 00
	J. J. Kelliher	do	86. 10
	J. J. McLean	do	103. 30
	R. G. Allen	do	111. 90
	J. W. Cronk	do	86. 10
	F. Z. Gosewisch	do	103. 30
	Jos. J. Doshier	do	62. 00
	Geo. W. Scott	do	103. 30
	T. S. Collins	do	103. 30
	H. W. Grasse	do	72. 30
	Wm. J. Reed	do	86. 10
	M. E. Conway	do	72. 30
	Jos. C. Piercy	do	103. 30
	Marsden Wright	do	86. 10
	J. C. Hayden	do	72. 30
	Chas. Adie	do	86. 10
	J. P. Slaughter	do	103. 30
	R. S. Smith	do	62. 00
	Chas. Stewart	do	103. 30
	B. M. Jacobs	do	25. 80
	A. B. Wollaber et al.	Salaries	454. 90
	C. F. von Herrmann et al. .	do	304. 00
	Orin Parker et al	do	184. 20
	H. H. Curley et al	do	118. 30

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 31	R. J. Hyatt et al	Salaries	\$555.90
	H. B. Boyer et al	do	145.60
	P. F. Lyons et al	do	292.80
	E. C. Thompson et al	do	128.30
	Jno. S. Hazen et al	do	128.30
	Jas. H. Smith et al	do	189.40
	F. A. Carpenter et al	do	118.30
	R. M. Hardinge et al	do	184.20
	A. G. Burns et al	do	128.30
	G. N. Salisbury et al	do	243.90
	D. P. McCallum et al	do	128.30
	Jno. Craig et al	do	136.90
	Jno. Grover et al	do	118.30
	G. H. Hagen et al	do	123.30
	W. S. Currier et al	do	214.40
	T. P. Jennings et al	do	153.61
	Harvey P. Dick et al	do	129.70
	W. H. Fallon et al	do	214.40
	G. E. Franklin et al	do	180.53
	A. B. Crane et al	do	128.30
	C. M. Strong et al	do	211.05
	L. A. Welsh et al	do	312.60
	J. G. Linsley et al	do	128.30
	J. J. Widmeyer et al	do	209.20
	Jas. J. Gray et al	do	184.20
	E. H. Emory et al	do	641.30
	Alex. G. McAdie et al	do	636.30
	L. M. Tarr et al	do	128.30
	E. W. McGann et al	do	153.61
	E. C. Hobbs et al	do	156.70
	H. C. Bate et al	do	441.70
	Wm. W. Neifert et al	do	214.40
	F. P. Chaffee et al	do	324.80
	Wm. M. Dudley et al	do	190.60
	T. S. Outram et al	do	382.30
	W. M. Wilson et al	do	525.30
	Lee A. Denson et al	do	128.30
	S. C. Emery et al	do	312.60
	H. R. Patrick et al	do	111.10
	H. B. Hersey et al	do	460.50
	Geo. N. Wilson et al	do	128.30
	Geo. A. Loveland et al	do	371.20
	D. J. Herndon et al	do	126.69
	M. J. Wright, jr., et al	do	128.30
	W. M. Fulton et al	do	144.10
	W. U. Simons et al	do	183.90
	C. F. Schneider et al	do	145.60
	Alex. J. Mitchell et al	do	298.90
	C. F. R. Wappenhans et al	do	456.40
	S. W. Glenn et al	do	221.50
	Elvin J. Glass et al	do	192.90
	E. P. Jones et al	do	230.30
	Frank Ridgway et al	do	353.70
	R. Q. Grant et al	do	118.30
	O. C. Burrows et al	do	97.30
	Wm. G. Burns et al	do	223.00
	Luther M. Dey et al	do	583.70
	Geo. H. Wilson et al	do	601.70
	E. P. Richards et al	do	347.60
	Alfred P. Sims et al	do	226.50
	Jno. B. Marbury et al	do	424.50
	David Fisher et al	do	123.30
	Ferd. J. Walz et al	do	626.80
	S. M. Blandford et al	do	136.90
	J. W. Smith et al	do	758.50
	David Cuthbertson et al	do	436.70
	P. M. Smyth et al	do	204.20
	L. N. Jesunofsky et al	do	216.50
	Chas. Davis et al	do	133.30
	L. M. Pindell et al	do	204.40
	W. S. Palmer et al	do	209.20
	E. A. Beals et al	do	822.30
	S. S. Bassler et al	do	427.90
	Jas. Kenealy et al	do	441.70
	A. E. Hackett et al	do	175.60
	J. W. Smith et al	do	471.70
	J. M. Sherier et al	do	198.00
	G. M. Chappel et al	do	424.50
	N. B. Conger et al	do	458.23
	E. H. Bowie et al	do	128.30

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 31	H. W. Richardson et al.	Salaries	\$240.30
	Albert Ashenberger et al.	do	128.30
	T. J. Considine et al.	do	199.20
	Geo. W. Wurtz et al.	do	128.30
	E. H. Nimmo et al.	do	128.30
	Jno. D. Blagden et al.	do	78.60
	Eva M. Brooks et al.	do	237.79
	F. H. Brandenburg et al.	do	514.00
	E. A. Evans et al.	do	312.60
	Wm. T. Blythe et al.	do	226.50
	S. L. Doshier et al.	do	137.80
	E. M. Ravenscroft et al.	do	101.63
	I. M. Cline et al.	do	514.00
	G. W. Felger et al.	do	128.30
	Oscar D. Stewart et al.	do	133.30
	E. R. Demain et al.	do	141.90
Feb. 2	Jno. C. Paxton	Services	7.00
	B. H. Bronson et al.	Salaries	239.71
	Eliz. L. Renoe	Services	25.00
	M. B. De Vane	do	25.00
	A. J. Davis	do	25.00
	Patrick Connor et al.	Salaries	298.80
	H. E. Wilkinson et al.	do	131.90
	U. G. Pursell et al.	do	128.30
3	G. J. O'Connor	Services	25.00
	Wm. D. Fuller	do	21.00
	Howard M. Dorr	do	.81
7	A. J. Goulter	do	20.67
	Jas. L. Bartlett	do	4.67
9	G. F. von Ostermann	do	48.61
	J. F. Harper	do	44.44
20	Chas. C. Grant	do	3.87
	E. J. Lindberg	do	34.67
21	Chas. L. Gorgas	do	58.33
23	Chas. C. Grant	do	11.13
28	R. Frank Young	do	85.56
	H. L. Ball	do	108.80
	E. J. Davenport	do	25.00
	Fitzhugh Newman	do	86.73
	F. L. Johnson	do	93.40
	Ella W. Daniels	do	25.00
	A. J. Davis	do	77.80
	G. F. von Ostermann	do	41.67
	Jos. P. Bolton	do	93.40
	E. L. Anderson	do	56.97
	J. J. Doshier	do	56.00
	Temple Brown	do	40.00
	C. M. Boucher	do	25.00
	G. B. Ackerman	do	65.40
	W. E. Oliver	do	77.80
	H. McP. Baldwin	do	93.40
	Jno. J. O'Donnell	do	77.80
	B. D. Johnson	do	25.00
	Albert Brand	do	93.40
	W. C. McGuiness	do	77.80
	B. M. Jacobs	do	23.40
	W. L. Day	do	93.40
	G. S. Jones	do	77.80
	C. P. Cronk	do	101.20
	Geo. L. Lovett	do	25.00
	Jas. H. Smith	do	93.40
	J. W. Bauer	do	101.20
	J. W. Byram	do	93.40
	Geo. Reeder	do	93.40
	David R. Morris	do	10.00
	Geo. T. Todd	do	93.40
	Wm. P. Le Roy	do	38.80
	J. P. Fallihee	do	56.00
	Daniel C. Murphy	do	93.40
	N. D. Lane	do	93.40
	A. H. Bell	do	93.40
	F. R. Beahan	do	85.60
	Wayland Bailey	do	93.40
	Geo. W. Eddy	do	93.40
	Chas. W. Ling	do	77.80
	J. J. Kelliher	do	77.80
	A. J. Goulter	do	9.68
	J. J. McLean	do	93.40
	F. Z. Gosewisch	do	93.40
	Geo. W. Scott	do	93.40

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1899, Feb. 28	J. C. Piercy	Services	\$93.40
	J. P. Slaughter	do	93.40
	Chas. Stewart	do	96.40
	Maurice Connell	do	96.40
	Thos. Gibson	do	96.40
	Jas. A. Barwick	do	93.40
	Jno. R. Williams	do	93.40
	J. W. Cronk	do	77.80
	Wm. J. Reed	do	77.80
	Marsden Wright	do	77.80
	Chas. Adie	do	77.80
	H. W. Grasse	do	65.40
	M. E. Conway	do	65.40
	J. C. Hayden	do	65.40
	R. S. Smith	do	56.00
	Frank Peterson	do	37.40
	M. B. De Vane	do	25.00
	J. W. Smith et al.	Salaries	431.00
	J. M. Sherier et al.	do	179.00
	F. H. Brandenburg et al.	do	467.00
	Geo. M. Chappel et al.	do	386.00
	N. B. Conger et al.	do	389.20
	Albert Ashenberg et al.	do	118.40
	H. W. Richardson et al.	do	219.40
	Geo. B. Wurtz et al.	do	118.40
	E. H. Nimmo et al.	do	183.80
	E. M. Ravenscroft et al.	do	118.40
	I. M. Cline et al.	do	467.00
	O. D. Stewart et al.	do	123.40
	E. R. Demain et al.	do	131.20
	E. J. Glass et al.	do	174.20
	S. W. Glenn et al.	do	202.00
	C. F. R. Wappenhaus et al.	do	412.20
	Patrick Connor et al.	do	272.40
	W. U. Simons et al.	do	167.20
	W. M. Fulton et al.	do	131.80
	C. F. Schneider et al.	do	133.80
	D. J. Herndon et al.	do	118.40
	G. A. Loveland et al.	do	342.60
	Geo. E. Franklin et al.	do	182.00
	David Fisher et al.	do	113.40
	P. H. Smyth et al.	do	199.00
	L. M. Pindell et al.	do	186.20
	W. S. Palmer et al.	do	191.60
	E. A. Beals et al.	do	750.40
	E. H. Bowie et al.	do	118.40
	T. J. Considine et al.	do	181.60
	G. W. Felger et al.	do	118.40
	Robt. G. Allen et al.	do	126.20
	Alex. J. Mitchell et al.	do	272.40
	M. J. Wright, jr., et al.	do	118.40
	W. M. Wilson et al.	do	479.40
	E. B. Richards et al.	do	362.60
	H. B. Hersey et al.	do	419.00
	Geo. M. Wilson et al.	do	118.40
	H. R. Patrick et al.	do	102.80
	Saml. C. Emery et al.	do	284.80
	Lee A. Denson et al.	do	118.40
	T. S. Outram et al.	do	345.40
	W. M. Dudley et al.	do	173.80
	F. P. Chaffee et al.	do	295.40
	H. C. Bate et al.	do	489.38
	E. C. Hobbs et al.	do	141.60
	E. W. McGann et al.	do	141.60
	L. M. Tarr et al.	do	118.40
	Alex. G. McAdie et al.	do	487.20
	E. H. Emery et al.	do	582.40
	J. J. Gray et al.	do	259.40
	J. J. Widmeyer et al.	do	204.00
	L. A. Welsh et al.	do	284.80
	J. G. Linsley et al.	do	118.40
	C. M. Strong et al.	do	264.60
	G. H. Hagen et al.	do	113.40
	W. S. Currier et al.	do	196.20
	Thorp B. Jennings et al.	do	141.60
	Wm. T. Blythe et al.	do	284.80
	H. B. Dick et al.	do	120.60
	W. H. Fallon et al.	do	196.20
	S. L. Doshier et al.	do	124.40
	W. W. Neifert et al.	do	196.20

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 28	W. A. Shaw	Services	\$77.80
	E. A. Evans et al	Salaries	284.80
	A. B. Crane et al	do	118.40
	L. M. Dey et al	do	532.60
	W. G. Burns et al	do	204.00
	O. C. Burrows et al	do	90.40
	Frank Ridgway et al	do	320.60
	R. Q. Grant et al	do	108.40
	E. P. Jones et al	do	209.40
	A. B. Wollaber et al	do	349.80
	C. F. von Herrmann et al	do	199.20
	Orin Parker et al	do	166.60
	R. J. Hyatt et al	do	504.45
	P. F. Lyons et al	do	264.40
	L. H. Murdoch et al	do	194.40
	H. H. Curley et al	do	108.40
	F. A. Carpenter et al	do	107.33
	E. C. Thompson et al	do	118.40
	Geo. H. Willson et al	do	546.60
	R. M. Hardinge et al	do	116.60
	Alex. G. Burns et al	do	126.20
	H. B. Boyer et al	do	227.20
	G. N. Salisbury et al	do	222.20
	D. P. McCallum et al	do	118.40
	U. G. Purssell et al	do	118.40
	H. E. Wilkinson et al	do	186.60
	J. Craig et al	do	126.20
	J. S. Hazen et al	do	118.40
	A. F. Sims et al	do	284.80
	Jno. B. Marbury et al	do	386.00
	Fred. J. Walz et al	do	571.40
	Eva M. Brooks et al	do	143.40
	B. H. Bronson et al	do	219.40
	S. M. Blandford et al	do	191.60
	J. W. Smith et al	do	622.60
	David Cuthbertson et al	do	396.60
	L. N. Jesunofsky et al	do	197.00
	Chas. Davis et al	do	123.40
	S. S. Bassler et al	do	389.20
	Jas. Kenealy et al	do	401.60
	A. E. Hackett et al	do	163.80
Mar. 2	Geo. F. von Osterman	Services	36.11
	Jno. Grover	do	93.40
	Eliz. J. Renor	do	25.00
9	A. J. Muffett	do	4.46
	C. A. Nick	do .....	.65
16	H. D. Ponnay	do	105.00
	A. B. Nichols	do	83.33
	A. B. Pitman	do	2.00
	Alex. Reynick	do	19.44
	L. S. Fitch	do	1.67
18	Danl. McCallum	do	69.33
	Jessie A. Brown	do	9.17
20	J. T. Harper	do	72.22
	Geo. R. Wilson	do	6.00
	L. V. Russell	do	13.00
	Edwd. Gercke	do	15.00
21	Jno. T. Harper	do	5.56
31	A. B. Nichols	do	55.56
	Chas. Adie	do	86.10
	Chas. D. Reed	do	2.33
	J. P. Slaughter	do	103.30
	Robt. S. Smith	do	62.00
	Maurice Connell	do	103.30
	Jas. A. Barwick	do	103.30
	Jno. R. Williams	do	103.30
	H. McP Baldwin	do	103.30
	J. J. O'Donnell	do	86.10
	Albert Brand	do	103.30
	W. C. McGuinness	do	86.10
	W. M. Husson	do	63.33
	C. P. Cronk	do	111.90
	A. A. Burn	do	5.00
	J. W. Bauer	do	111.90
	Jno. W. Byram	do	103.30
	Wm. P. Le Roy	do	43.10
	J. P. Fallhee	do	62.00
	N. D. Lane	do	103.30
	Aaron H. Bell	do	103.30
	F. R. Beahan	do	94.70

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Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 31	Wayland Bailey	Services	\$103.30
	J. J. Kelliher	do	86.10
	Jno. J. McLean	do	103.30
	F. Z. Gosewisch	do	103.30
	Jno. J. Doshier	do	62.00
	Geo. W. Scott	do	103.30
	M. E. Conway	do	72.30
	Marsden Wright	do	86.10
	J. C. Hayden	do	72.30
	W. E. Oliver	do	86.10
	Eliz. L. Reno	do	25.00
	F. W. Conrad	do	99.16
	Gideon S. Jones	do	86.10
	Danl. McCallum	do	103.30
	Thos. H. King	do	33.33
	Jessie A. Brown	do	25.80
	A. B. Nichols	do	30.55
	W. E. Berry	do	49.00
	W. T. Blythe	do	129.20
	M. B. De Vane	do	25.00
	Ella W. Daniels	do	25.00
	Fitzhugh Newman	do	103.30
	Balfe D. Johnson	do	25.00
	Benj. M. Jacobs	do	25.80
	W. L. Day	do	103.30
	Geo. L. Lovett	do	25.00
	Jas. H. Smith	do	103.30
	Geo. Reeder	do	103.30
	David R. Morris	do	10.00
	Geo. T. Todd	do	103.30
	Dan. C. Murphy	do	103.30
	Jas. P. Bolton	do	103.30
	Geo. W. Edey	do	103.30
	Chas. W. Ling	do	86.10
	J. W. Cronk	do	86.10
	C. W. Boucher	do	25.00
	H. W. Grasse	do	72.30
	W. A. Shaw	do	86.10
	J. C. Piercy	do	103.30
	Chas. Stewart	do	103.30
	Thos. Gibson	do	103.30
	Ezek. S. Nichols	do	58.33
	H. L. Ball	do	120.60
	E. J. Davenport	do	25.00
	F. L. Johnson	do	103.30
	Geo. B. Ackerman	do	72.30
	A. F. Sims et al	Salaries	312.66
	J. B. Marbury et al	do	527.80
	David Fisher et al	do	123.30
	F. J. Walz et al	do	626.80
	Eva M. Brooks et al	do	153.20
	Byron H. Bronson et al	do	240.30
	S. M. Blandford et al	do	209.20
	J. W. Smith et al	do	686.20
	David Cuthbertson et al	do	436.70
	Patek. H. Smyth et al	do	218.00
	L. N. Jesunofsky et al	do	216.82
	Chas. Davis et al	do	133.30
	W. S. Palmer et al	do	209.20
	E. A. Beals et al	do	822.30
	S. S. Bassler et al	do	427.90
	A. E. Hackett et al	do	175.00
	J. Warren Smith et al	do	471.70
	J. M. Sherier et al	do	198.00
	F. H. Brandenburg et al	do	514.00
	Geo. M. Chappel et al	do	399.50
	N. B. Conger et al	do	427.90
	E. H. Bowie et al	do	128.30
	H. W. Richardson et al	do	240.30
	Albert Ashenberger et al	do	128.30
	T. J. Considine et al	do	199.20
	Geo. B. Wurtz et al	do	128.30
	E. Herbert Nimmo et al	do	200.60
	E. M. Ravenscroft et al	do	128.30
	I. M. Cline et al	do	514.00
	G. W. Felger et al	do	128.30
	Oscar D. Stewart et al	do	133.30
	E. R. Demain et al	do	141.90
	Saml. Doshier et al	do	137.30
	E. J. Glass et al	do	197.30

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 31	C. F. R. Wappenhaus et al.	Salaries	\$456.40
	Alex. J. Mitchell et al.	do	298.80
	Patek, Connor et al.	do	298.90
	W. U. Simons et al.	do	183.90
	W. M. Fulton et al.	do	144.10
	M. J. Wright, jr., et al.	do	128.30
	C. F. Schneider et al.	do	150.00
	Danl. J. Herndon et al.	do	128.30
	Geo. A. Loveland et al.	do	371.20
	Geo. E. Franklin et al.	do	221.50
	H. B. Hersey et al.	do	500.17
	Geo. N. Wilson et al.	do	128.30
	H. R. Patrick et al.	do	111.10
	Saml. C. Emery et al.	do	312.60
	Lee A. Denson et al.	do	128.30
	W. M. Wilson et al.	do	472.20
	T. S. Outram et al.	do	373.70
	Wm. M. Dudley et al.	do	190.60
	Frank P. Chaffee et al.	do	324.80
	Jas. Kenealy et al.	do	441.70
	Jno. R. Wicks et al.	do	255.70
	S. W. Glenn et al.	do	149.20
	E. A. Evans et al.	do	226.50
	Harry B. Boyer et al.	do	339.40
	Geo. N. Salisbury et al.	do	243.90
	U. G. Purssell et al.	do	128.30
	H. E. Wilkinson et al.	do	204.20
	Jno. Craig et al.	do	136.90
	J. S. Hagen et al.	do	128.30
	Jno. Grover et al.	do	118.30
	G. H. Hazen et al.	do	123.30
	Wm. S. Currier et al.	do	214.40
	T. B. Jennings et al.	do	154.20
	H. B. Dick et al.	do	129.70
	W. H. Fallon et al.	do	214.40
	A. J. Davis et al.	do	127.40
	E. B. Richards et al.	do	407.60
	Alex. G. Burns et al.	do	136.90
	E. M. Hardinge et al.	do	184.20
	R. G. Allen et al.	do	154.20
	Geo. H. Willson et al.	do	627.17
	E. C. Thompson et al.	do	128.30
	Ford A. Carpenter et al.	do	118.30
	H. H. Curley et al.	do	204.40
	L. H. Murdoch et al.	do	298.63
	Patrick. F. Lyons et al.	do	292.80
	R. J. Hyatt et al.	do	556.65
	Orin Parker et al.	do	184.20
	C. F. von Herrmann et al.	do	407.30
	A. B. Wollaber et al.	do	382.60
	E. P. Jones et al.	do	230.30
	R. Q. Grant et al.	do	118.30
	Frank Ridgway et al.	do	352.20
	O. C. Burrows et al.	do	97.30
	L. M. Dey et al.	do	583.70
	Wm. G. Burns et al.	do	223.00
	A. B. Crane et al.	do	128.30
	Chas. M. Strong et al.	do	230.20
	J. G. Linsley et al.	do	128.30
	L. A. Welch et al.	do	312.60
	J. J. Widmeyer et al.	do	223.00
	J. J. Gray et al.	do	285.30
	E. H. Emery et al.	do	641.30
	Alex. G. McAdie et al.	do	536.40
	L. M. Tarr et al.	do	128.30
	Edw. W. McGann et al.	do	154.20
	E. C. Hobbs et al.	do	156.70
	H. C. Bate et al.	do	441.70
	W. W. Neifert et al.	do	214.40
	L. M. Pindell et al.	do	201.50
	Total third quarter		96,177.17
Apr. 6	Hugh C. Hempstead	Services	24.00
11	H. M. Pressley	do	83.30
	Robt. L. Anderson	do	47.21
	Chas. K. Boardman	do	25.00
15	Nellie Dorr	do	62.00
	Wm. P. O'Neal	do	4.03
	Jas. B. Pickett	do	20.97

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 15	Louis Lodholz	Services	\$16.33
17	W. H. Alexander	do	23.08
	Leon J. Guthrie	do	23.08
	G. H. Noyes	do	25.38
18	Danl. McCallum	do	69.33
	Geo. B. Ackerman	do	34.62
	Don V. Burney	do	4.63
26	M. J. Lynch	do	91.75
29	Henry M. Presley	do	41.21
	E. J. Davenport	do	25.00
	W. C. McGuinness	do	82.40
	Benj. M. Jacobs	do	24.70
	W. L. Day	do	98.90
	C. P. Cronk	do	107.10
	Geo. L. Lovett	do	25.00
	Jas. H. Smith	do	98.90
	Jacob W. Bauer	do	107.10
	Jno. W. Byram	do	98.90
	Geo. Reeder	do	98.90
	David R. Morris	do	10.00
	W. P. Le Roy	do	41.20
	J. P. Fallihee	do	59.30
	Danl. C. Murphy	do	98.90
	Nathan D. Lane	do	98.90
	Aaron H. Bell	do	98.90
	Geo. T. Todd	do	98.90
	Jos. P. Bolton	do	98.90
	Geo. W. Eddey	do	98.90
	R. L. Anderson	do	82.40
	J. J. Kelliher	do	82.40
	Jno. J. McLean	do	98.90
	J. W. Cronk	do	82.40
	F. Z. Gosewisch	do	98.90
	Jno. J. Doshier	do	59.30
	Geo. W. Scott	do	98.90
	T. S. Collins	do	98.90
	C. M. Boucher	do	25.00
	H. W. Grasse	do	69.20
	W. H. Scholl	do	82.40
	M. E. Conway	do	69.20
	Wm. A. Shaw	do	82.40
	F. E. Beahan	do	90.70
	J. C. Piercy	do	98.90
	Marsden Wright	do	82.40
	Jesse A. Brown	do	24.70
	Chas. Adie	do	82.40
	J. P. Slaughter	do	98.90
	Thos. Crawford	do	98.90
	Maurice Connell	do	98.90
	Thos. Gibson	do	98.90
	Jas. A. Barwick	do	98.90
	Jno. R. Williams	do	98.90
	H. L. Ball	do	115.40
	Robt. S. Smith	do	59.30
	Fitzhugh Newman	do	98.90
	F. L. Johnson	do	98.90
	Ella W. Daniels	do	25.00
	J. C. Hayden	do	76.27
	Gideon S. Jones	do	82.40
	M. B. De Vane	do	25.00
	Geo. G. Harkness	do	32.97
	C. F. Cooke	do	14.00
	Geo. D. Boucher	do	36.00
	Chas. W. Ling	do	82.40
	J. J. O'Donnell	do	82.40
	Albert Brand	do	98.90
	Wm. E. Oliver	do	82.40
	B. D. Johnson	do	25.00
	Henry H. Curley et al.	Salaries	196.30
	Ford A. Carpenter et al.	do	113.90
	Geo. H. Hagen et al.	do	118.90
	W. S. Currier et al.	do	206.30
	T. B. Jennings et al.	do	145.60
	H. E. Wilkinson et al.	do	369.40
	H. B. Dick et al.	do	125.70
	W. A. Fallon et al.	do	206.30
	Albert Davis et al.	do	122.00
	E. C. Thompson et al.	do	123.90
	Geo. H. Willson et al.	do	630.28
	R. M. Hardinge et al.	do	173.30

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 29	Alex. G. Burns et al	Salaries	\$132.10
	H. B. Boyer et al	do	231.00
	Geo. N. Salisbury et al	do	311.70
	Danl. P. McCallum et al	do	123.90
	U. G. Purrsell et al	do	123.90
	Jno. Craig et al	do	132.10
	Jno. S. Hazen et al	do	123.90
	Chas. Stewart et al	do	203.37
	Jno. Grover et al	do	113.90
	Geo. N. Wilson et al	do	123.90
	H. R. Patrick et al	do	107.40
	Saml. E. Emery et al	do	300.20
	Lee A. Denson et al	do	123.90
	W. M. Wilson et al	do	521.90
	Thos. S. Outram et al	do	412.30
	Wm. M. Dudley et al	do	193.10
	Wm. W. Neifert et al	do	206.50
	Frank P. Chaffee et al	do	311.70
	Henry C. Bate et al	do	423.80
	E. C. Hobbs et al	do	150.00
	Edwd. W. McGann et al	do	148.60
	L. M. Tarr et al	do	123.90
	Wm. T. Blythe et al	do	596.80
	E. H. Emery et al	do	638.33
	Jas. J. Widmeyer et al	do	201.30
	L. A. Welsh et al	do	300.20
	J. G. Linsley et al	do	123.90
	C. M. Strong et al	do	217.80
	Wm. G. Burns et al	do	214.50
	A. B. Crane et al	do	123.90
	Luther M. Dey et al	do	560.90
	O. C. Burrows et al	do	94.20
	Frank Ridgeway et al	do	338.20
	R. Q. Grant et al	do	113.90
	Edw. P. Jones et al	do	221.10
	Chas. F. von Herrmann et al	do	390.90
	Orin Parker et al	do	176.30
	Robt. J. Hyatt et al	do	533.25
	Patrick F. Lyons et al	do	280.20
	Isaac M. Cline et al	do	416.88
	L. H. Murdock et al	do	300.20
	Geo. A. Loveland et al	do	366.70
	Geo. E. Franklin et al	do	212.80
	A. B. Wollaber et al	do	352.90
	Geo. M. Chappel et al	do	407.30
	E. H. Bowie et al	do	123.90
	H. W. Richardson et al	do	231.00
	Geo. B. Wurtz et al	do	123.90
	E. H. Nimmo et al	do	193.10
	Thos. J. Considine et al	do	191.30
	Albert Ashenberger et al	do	123.90
	E. M. Ravenscroft et al	do	123.90
	G. W. Felger et al	do	193.10
	O. D. Stewart et al	do	128.90
	E. R. Demain et al	do	137.10
	Saml. L. Doshier et al	do	131.90
	E. J. Glass et al	do	192.80
	S. W. Glenn et al	do	212.80
	Robt. G. Allen et al	do	148.60
	C. F. R. Wappenhaus et al	do	436.80
	Alex J. Mitchell et al	do	287.00
	Patrick Connor et al	do	287.00
	W. U. Simons et al	do	176.40
	W. M. Fulton et al	do	138.60
	M. J. Wright, jr., et al	do	123.90
	Chas. F. Schnieder et al	do	148.00
	Danl. J. Herndon et al	do	123.90
	Edwd. B. Richards et al	do	399.10
	H. B. Hersey et al	do	511.20
	Jas. J. Gray et al	do	273.70
	Alfred F. Sims et al	do	300.20
	Jas. B. Marbury et al	do	506.20
	H. McP. Baldwin et al	do	111.40
	David Fisher et al	do	118.90
	F. J. Walz et al	do	602.10
	M. E. Van Vradenburg et al	do	123.90
	B. H. Bronson et al	do	231.00
	S. M. Blandford et al	do	201.30
	J. W. Smith et al	do	657.80
	David Cuthbertson et al	do	418.80

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Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 29	L. N. Jesunofsky et al	Salaries	\$217. 80
	Chas. Davis et al	do	128. 90
	L. M. Pindell et al	do	181. 30
	Walter S. Palmer et al	do	201. 30
	Jas. Kenealy et al	do	568. 45
	Edwd. A. Beals et al	do	721. 10
	S. S. Bassler et al	do	410. 60
	A. E. Hackett et al	do	170. 40
	J. W. Smith et al	do	421. 52
	J. M. Sherier et al	do	189. 50
	F. H. Brandenburg et al	do	493. 00
	N. B. Conger et al	do	410. 60
May 1	Patrick H. Smyth et al	do	211. 17
	Wayland Bailey	Services	98. 90
	Don V. Burney	do	43. 82
3	T. F. Davis	do	25. 38
	Eliz. L. Renoe	do	25. 00
	Edw. A. Evans et al	Salaries	261. 76
15	Jno. R. Glenn	Services	4. 95
	Geo. D. Butcher	do	14. 00
	Jno. N. Breen	do	18. 00
	Jno. H. Patton	do	6. 92
	Louis Ruhl	do	15. 00
	C. N. Thompson	do	4. 00
	F. A. Nisbit	do	12. 00
16	C. O. Swett	do	4. 84
	Jno. N. Breen	do	15. 00
	F. L. Wenning	do	14. 25
20	Giles Cox	do	11. 25
31	J. P. Fallihee	do	61. 40
	Dani. C. Murphy	do	102. 20
	Aaron H. Bell	do	102. 20
	J. P. Bolton	do	102. 20
	Geo. W. Edey	do	102. 20
	Robt. L. Anderson	do	85. 20
	Wayland Bailey	do	102. 20
	Chas. W. Ling	do	85. 20
	J. J. Kelliher	do	85. 20
	Jno. J. McLean	do	102. 20
	Nathan D. Lane	do	102. 20
	J. W. Cronk	do	85. 20
	L. G. Schultz	do	85. 20
	F. Z. Gosewisch	do	102. 20
	Jos. J. Doshier	do	61. 40
	Chas. M. Boucher	do	25. 00
	H. W. Grasse	do	71. 60
	Walter H. Scholl	do	85. 20
	M. E. Conway	do	71. 60
	Jos. C. Piercy	do	102. 20
	Marsden Wright	do	85. 20
	Granville L. Ort	do	71. 60
	Jessie A. Brown	do	25. 60
	Chas. Adie	do	85. 20
	Thos. Crawford	do	102. 20
	Maurice Connell	do	102. 20
	Thos. Gibson	do	102. 20
	Jno. R. Williams	do	102. 20
	Jas. A. Barwick	do	102. 20
	Chas. Stewart	do	110. 80
	Robt. S. Smith	do	61. 40
	Fitzhugh Newman	do	102. 20
	F. L. Johnson	do	102. 20
	Ella W. Daniels	do	25. 00
	Julius C. Hayden	do	85. 20
	Gideon S. Jones	do	85. 20
	M. B. De Vane	do	25. 00
	Allen Buell	do	102. 20
	Wm. E. Oliver	do	85. 20
	Jno. J. O'Donnell	do	85. 20
	Albert Brand	do	102. 20
	W. C. McGuinness	do	85. 20
	Benj. M. Jacobs	do	25. 60
	W. L. Day	do	102. 20
	F. R. Beahan	do	93. 60
	C. P. Cronk	do	110. 80
	Geo. L. Lovett	do	25. 00
	Jas. H. Smith	do	102. 20
	Harry T. Johnson	do	71. 60
	Jacob W. Bauer	do	110. 80
	E. L. Smith	do	16. 81

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 31	Jno. W. Byram	Services	\$102.20
	David R. Morris	do	10.00
	Geo. Reeder	do	102.20
	Wm. P. Le Roy	do	42.60
	Geo. T. Todd	do	102.20
	W. A. Shaw	do	85.20
	Geo. G. Harkness	do	85.20
	Eliz. L. Renoe	do	25.00
	Chas. M. Strong et al	Salaries	224.40
	Wm. G. Burns et al	do	221.00
	A. B. Crane et al	do	127.20
	T. F. Townsend et al	do	578.20
	Orville C. Burrows et al	do	96.60
	Frank Ridgway et al	do	348.60
	R. Q. Grant et al	do	117.20
	E. P. Jones et al	do	212.80
	A. B. Wollaber et al	do	379.20
	C. F. von Herrmann et al	do	403.20
	Edwd. A. Evans et al	do	309.60
	Orin Parker et al	do	182.40
	Robt. J. Hyatt et al	do	550.50
	Patrick F. Lyons et al	do	289.60
	L. H. Murdoch et al	do	291.05
	Henry H. Curley et al	do	202.40
	Ford A. Carpenter et al	do	117.20
	Edwin C. Thompson et al	do	127.20
	Geo. H. Willson et al	do	595.60
	Robt. M. Hardinge et al	do	182.40
	Alex G. Burns et al	do	207.40
	Harry B. Boyer et al	do	238.00
	Jno. Craig et al	do	118.86
	Jno. S. Hazen et al	do	127.20
	U. G. Purssell et al	do	127.20
	Jno. Grover et al	do	117.20
	Geo. Hass Hagen et al	do	122.20
	W. S. Currier et al	do	212.40
	T. B. Jennings et al	do	152.80
	H. E. Wilkinson et al	do	381.20
	Harvey B. Dick et al	do	128.60
	W. H. Fallon et al	do	212.40
	Albert J. Davis et al	do	126.00
	Harrison McP. Baldwin et al	do	127.20
	Geo. N. Salisbury et al	do	423.38
	D. P. McCallum et al	do	127.20
	Thos. J. Considine et al	do	197.40
	E. M. Ravencroft et al	do	127.20
	Isaac M. Cline et al	do	437.40
	G. W. Felger et al	do	127.20
	O. D. Stewart et al	do	132.20
	E. R. Demain et al	do	139.83
	Saml. L. Doshier et al	do	136.20
	Elvin J. Glass et al	do	199.40
	S. W. Glenn et al	do	219.40
	Robt. G. Allen et al	do	222.80
	C. F. R. Wappenhaus et al	do	451.40
	Alex J. Mitchell et al	do	224.40
	Patrick Connor et al	do	296.00
	W. U. Simons et al	do	182.20
	Weston M. Fulton et al	do	142.80
	M. J. Wright, jr. et al	do	127.20
	C. F. Schneider et al	do	152.80
	Danl. J. Herndon et al	do	127.20
	Geo. A. Loveland et al	do	376.60
	E. B. Richards et al	do	433.78
	Geo. E. Franklin et al	do	291.00
	A. F. Sims et al	do	238.00
	David Fisher et al	do	122.20
	Ferdinand J. Walz et al	do	620.80
	M. B. Van Vradenburg et al	do	197.20
	Henry B. Hersey et al	do	456.00
	Geo. N. Wilson et al	do	127.20
	T. S. Collins et al	do	132.80
	H. R. Patrick et al	do	110.20
	Saml. C. Emery et al	do	309.60
	Lee A. Denson et al	do	127.20
	W. M. Wilson et al	do	537.40
	Thos. S. Outram et al	do	425.40
	Wm. M. Dudley et al	do	198.80
	Frank P. Chaffee et al	do	321.60
	W. W. Neifert et al	do	282.60

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Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 31	Henry C. Bate et al	Salaries	\$437. 40
	Everett C. Hobbs et al	do	155. 00
	E. W. McGann et al	do	152. 80
	L. M. Tarr et al	do	127. 20
	Wm. T. Blythe et al	do	531. 20
	Eben H. Emery et al	do	660. 00
	Jas. J. Gray et al	do	282. 60
	Jas. J. Widmeyer et al	do	207. 40
	Lucius A. Welsh et al	do	309. 60
	Julius G. Linsley et al	do	127. 20
	B. H. Bronson et al	do	238. 71
	Saml. L. Blandford et al	do	207. 40
	David Cuthbertson et al	do	432. 40
	Patrick H. Smyth et al	do	221. 00
	L. N. Jesunofsky et al	do	224. 40
	Chas. Davis et al	do	132. 20
	L. N. Pindell et al	do	218. 00
	Walter S. Palmer et al	do	207. 40
	Jas. Kenealy et al	do	446. 00
	Edwd. A. Beals et al	do	787. 80
	S. S. Bassler et al	do	423. 80
	A. E. Hackett et al	do	174. 20
	Julius M. Sherier et al	do	196. 00
	F. H. Brandenburg et al	do	509. 00
	Geo. M. Chappel et al	do	420. 40
	N. B. Conger et al	do	423. 80
	E. H. Bowie et al	do	127. 20
	H. W. Richardson et al	do	238. 00
	E. H. Nimmo et al	do	198. 80
	Geo. B. Wurtz et al	do	127. 20
	Albert Ashenberger et al	do	127. 20
	J. W. Smith et al	do	649. 15
	J. Warren Smith et al	do	467. 40
June 1	J. B. Marbury et al	do	435. 03
	Dani. McCallum	Services	13. 33
	Balfe D. Johnson	do	25. 00
	E. J. Davenport	do	25. 00
3	M. J. Lynch	do	91. 75
	Albert W. Reese	do	24. 19
7	Edwd. Didlake	do	16. 94
	Wm. E. Smith	do	17. 42
	Obie K. Johnson	do	71. 43
16	Harry B. Nichols	do	6. 92
	Edmund Didlake	do	4. 17
	J. P. Slaughter	do	102. 20
	Frank Wilkins	do	16. 48
	Geo. W. Scott	do	102. 20
17	E. A. Sandusky	do	56. 33
30	Jno. J. O'Donnell	do	82. 40
	Albert Brand	do	98. 90
	W. C. McGuinness	do	82. 40
	Benj. M. Jacobs	do	24. 70
	W. L. Day	do	98. 90
	F. R. Beahan	do	90. 70
	C. P. Cronk	do	107. 10
	Geo. L. Lovett	do	25. 00
	Jno. W. Byram	do	98. 90
	Geo. Reeder	do	98. 90
	Wm. L. Le Roy	do	41. 20
	Geo. T. Todd	do	98. 90
	J. P. Fallihee	do	59. 30
	Aaron H. Bell	do	98. 90
	Wayland Bailey	do	98. 90
	Jos. P. Bolton	do	98. 90
	Geo. W. Eddy	do	98. 90
	J. J. Kelliher	do	82. 40
	Jno. J. McLean	do	98. 90
	E. R. Demain	do	107. 10
	Chas. W. Ling	do	82. 40
	Eliz. L. Renoe	do	25. 00
	C. H. Hobson	do	15. 00
	Henry Connaroe	do	18. 33
	Thos. Gibson	do	98. 90
	E. J. Davenport	do	25. 00
	Geo. J. Harkness	do	82. 40
	D. P. McCallum et al	Salaries	123. 90
	H. McP. Baldwin et al	do	123. 90
	D. R. Morris	Services	10. 00
	F. Z. Gosewisch	do	98. 90
	L. A. Schultz	do	82. 40

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1899. June 30	J. J. Doshier	Services	\$59.30
	Geo. W. Scott	do	98.90
	J. W. Cronk	do	82.40
	M. E. Conway	do	69.20
	J. C. Piercy	do	98.90
	Marsden Wright	do	82.40
	Chas. Adie	do	82.40
	J. P. Slaughter	do	98.90
	Thos. Crawford	do	98.90
	Jas. A. Barwick	do	98.90
	Jno. R. Williams	do	98.90
	Chas. Stewart	do	107.10
	Robt. S. Smith	do	59.30
	Fitzhugh Newman	do	98.90
	F. L. Johnson	do	98.90
	Ella W. Daniels	do	25.00
	J. C. Hayden	do	82.40
	Allen Buell	do	98.90
	J. R. Overholzer	do	69.20
	Balfe D. Johnson	do	25.00
	F. D. Emery	do	48.46
	Danl. C. Murphy	do	98.90
	N. D. Lane	do	98.90
	R. L. Anderson	do	82.40
	A. W. Kennie	do	25.00
	H. W. Grasse	do	69.20
	W. A. Shaw	do	82.40
	Maurice Connell	do	98.90
	Gideon S. Jones	do	82.40
	M. B. De Vane	do	25.00
	J. B. Marbury et al	Salaries	354.60
	David Fisher et al	do	118.90
	F. J. Walz et al	do	709.50
	M. B. Van Vradenburg et al	do	193.90
	S. M. Blandford et al	do	201.30
	J. W. Smith et al	do	588.60
	David Cuthbertson et al	do	418.80
	Patrick H. Smyth et al	do	214.50
	L. N. Jesunofsky et al	do	217.80
	Chas. Davis et al	do	128.90
	L. M. Pindell et al	do	211.00
	W. S. Palmer et al	do	201.30
	E. A. Beals et al	do	835.30
	S. S. Bassler et al	do	410.60
	A. E. Hackett et al	do	212.40
	Jacob W. Bauer et al	do	136.80
	J. W. Smith et al	do	453.80
	J. M. Sherier et al	do	189.50
	F. H. Brandenburg et al	do	493.00
	Geo. M. Chappel et al	do	407.30
	Edw. H. Bowie et al	do	123.90
	H. W. Richardson et al	do	231.00
	N. B. Conger et al	do	410.60
	Thos. J. Considine et al	do	176.30
	Geo. B. Wurtz et al	do	123.90
	E. H. Nimmo et al	do	193.10
	E. M. Ravenscroft et al	do	123.90
	I. M. Cline et al	do	437.00
	G. W. Felger et al	do	123.90
	S. W. Glenn et al	do	212.80
	C. F. R. Wappenhaus et al	do	436.80
	R. G. Allen et al	do	218.60
	A. J. Mitchel et al	do	287.00
	Patrick Connor et al	do	287.00
	W. U. Simons et al	do	176.40
	W. M. Fulton et al	do	138.60
	M. J. Wright, jr., et al	do	123.90
	Chas. F. Schneider et al	do	148.60
	Danl. J. Herndon et al	do	123.90
	Geo. A. Loveland et al	do	366.70
	Edw. B. Richards et al	do	399.10
	Geo. E. Franklin et al	do	212.80
	Geo. N. Wilson et al	do	123.90
	T. S. Collins et al	do	128.60
	H. R. Patrick et al	do	107.40
	Saml. C. Emery et al	do	300.20
	Lee A. Denson et al	do	123.90
	J. G. Linsley et al	do	123.90
	W. M. Wilson et al	do	521.30
	Chas. M. Strong et al	do	287.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1899. June 30	Thos. S. Outram et al.....	Salaries.....	\$412.30
	Luther M. Dey et al.....	do.....	560.90
	Frank P. Chaffee et al.....	do.....	311.70
	W. W. Neifert et al.....	do.....	276.30
	H. C. Bate et al.....	do.....	423.80
	Edw. W. McGann et al.....	do.....	148.60
	L. M. Tarr et al.....	do.....	123.90
	Wm. J. Blythe et al.....	do.....	463.66
	E. H. Emery et al.....	do.....	456.60
	Jas. J. Gray et al.....	do.....	273.70
	Jas. J. Widmeyer et al.....	do.....	201.30
	L. A. Welsh et al.....	do.....	300.20
	Frank Ridgway et al.....	do.....	338.20
	Edw. P. Jones et al.....	do.....	235.80
	W. O. Kerr.....	Services.....	100.00
	G. N. Salisbury et al.....	Salaries.....	427.10
	Jas. H. Smith.....	Services.....	98.90
	A. B. Wollaber et al.....	Salaries.....	367.90
	C. F. von Herrmann et al.....	do.....	390.90
	Orin Parker et al.....	do.....	176.30
	Robt. J. Hyatt et al.....	do.....	534.00
	Patrick F. Lyons et al.....	do.....	280.20
	H. H. Curley et al.....	do.....	196.30
	Ford. A. Carpenter et al.....	do.....	113.90
	E. C. Thompson et al.....	do.....	123.90
	Geo. H. Willson et al.....	do.....	646.40
	Robt. M. Hardinge et al.....	do.....	176.30
	Alex. G. Barnes et al.....	do.....	201.30
	Harry B. Boyer et al.....	do.....	231.00
	Jno. Craig et al.....	do.....	132.81
	Jno. S. Hazen et al.....	do.....	123.90
	Jno. Grover et al.....	do.....	113.90
	Jno. H. Hagen et al.....	do.....	118.90
	Wm. S. Currier et al.....	do.....	206.30
	Harvey B. Dick et al.....	do.....	195.70
	W. H. Fallon et al.....	do.....	206.30
	Jas. Kenealy et al.....	do.....	432.00
	A. Ashenberger et al.....	do.....	123.90
	Saml. L. Doshier et al.....	do.....	131.90
	Elvin J. Glass et al.....	do.....	192.80
	Wm. M. Dudley et al.....	do.....	168.10
	E. C. Hobbs et al.....	do.....	150.00
	Wm. G. Burns et al.....	do.....	214.50
	O. C. Burrows et al.....	do.....	94.20
	R. Q. Grant et al.....	do.....	113.90
	Thorp B. Jennings et al.....	do.....	148.60
	H. C. Wilkinson et al.....	do.....	369.40
	Atbert J. Davis et al.....	do.....	122.00
	Alfred F. Sims et al.....	do.....	200.78
	B. H. Bronson et al.....	do.....	235.70
	O. D. Stewart et al.....	do.....	128.90
	H. B. Hersey et al.....	do.....	442.00
	A. B. Crane et al.....	do.....	123.90
	Ed. A. Evans et al.....	do.....	300.20
	Lester H. Murdoch et al.....	do.....	275.20
	Ulysses G. Purssell et al.....	do.....	123.90
	Total fourth quarter.....		98,319.48
	<i>Supplemental.</i>		
July 7	Elmer A. Nickum.....	Services.....	20.00
12	Olson Truelson.....	do.....	28.55
	W. E. Felthouse.....	do.....	20.77
	L. Marston.....	do.....	25.00
	M. R. Gilbert.....	do.....	15.00
	U. G. Myers.....	do.....	89.01
	do.....	do.....	98.90
14	E. A. Nickum.....	do.....	20.00
	Walter A. Scholl.....	do.....	82.40
	Jesse A. Brown.....	do.....	24.70
22	Lewis T. Awtry.....	do.....	14.00
	W. E. Bowman.....	do.....	62.50
	Obie K. Johnson.....	do.....	57.69
	M. R. Gilbert.....	do.....	14.00
	W. C. Hartwig.....	do.....	2.97
	J. V. Manning.....	do.....	23.00
25	E. D. Beattie.....	do.....	120.00
31	Royston Jett.....	do.....	4.00
	R. T. Conover.....	do.....	15.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—GENERAL EXPENSE—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1899.			
July 31	Obie K. Johnson.....	Services.....	\$24.73
Aug. 1	E. A. Sandusky.....	do.....	4.35
17	Wm. F. Davis.....	do.....	8.06
31	Chas. B. Gannaway, M. D.....	do.....	4.00
	Total.....		778.63

RECAPITULATION.

First quarter.....	\$90,435.70
Second quarter.....	95,239.05
Third quarter.....	96,177.17
Fourth quarter.....	98,519.48
Supplemental.....	778.63
Total.....	380,950.03

WEATHER BUREAU—METEOROLOGICAL OBSERVATION STATIONS.

Date.	Name.	Nature of payment.	Total.
1898.			
July 28	A. Zappone.....	Traveling expenses.....	\$26.60
	do.....	do.....	10.25
	do.....	do.....	173.80
30	Geo. Kingsbury.....	Services.....	35.87
	Louis Dorman.....	do.....	52.17
	Patrick McDonough.....	do.....	52.17
	Jno. W. Towers.....	do.....	43.48
	Jno. N. Ryker.....	do.....	39.13
	Wm. B. Stockman.....	do.....	86.96
	F. G. Tingley.....	do.....	52.17
	Ernst T. Giers.....	do.....	52.17
	Thos. Crawford.....	do.....	52.17
	do.....	Office expenses.....	15.00
	F. J. Randolph.....	Traveling expenses.....	21.20
	P. McDonough.....	Office expenses.....	15.00
	Clyde Lemon.....	Services.....	16.30
	Chas. F. Talman.....	do.....	52.17
Aug. 1	Park Morrill.....	do.....	108.70
13	Julien P. Friez.....	Supplies, etc., for stations.....	4,597.00
16	Royal Dutch West Indian Mail Service.....	Passenger transportation.....	75.00
	Trinidad Shipping and Trading Co., Limited.....	do.....	55.00
	New York and Cuba Mail Steamship Co.....	do.....	75.00
	Trinidad Shipping and Trading Co., Limited.....	do.....	71.25
	Royal Dutch and West Indian Mail Service.....	do.....	50.30
	A. E. Outerbridge & Co.....	do.....	46.16
	New York and Cuba Mail Steamship Co.....	do.....	59.60
	A. E. Outerbridge & Co.....	do.....	48.67
	Pim, Forwood & Kellock.....	do.....	160.82
	do.....	do.....	235.00
	A. E. Outerbridge & Co.....	do.....	219.00
22	M. G. Copeland & Co.....	Flags.....	542.01
	Franklin & Co.....	Field glasses.....	17.00
31	Franklin G. Tingley.....	Services.....	101.10
	Thos. Crawford.....	do.....	101.10
	Louis Dorman.....	do.....	101.10
	Ernst T. Giers.....	do.....	101.10
	Jno. N. Ryker.....	do.....	101.10
	Patrick McDonough.....	do.....	101.10
	Chas. F. Talman.....	do.....	101.10
	Geo. Kingsbury.....	do.....	101.10
	Wm. B. Stockman.....	do.....	168.50
	Jno. W. Towers.....	do.....	84.20
	Oris W. Roberts.....	do.....	84.78
	Clyde Lemon.....	do.....	84.20
	Park Morrill.....	do.....	47.55
Sept. 1	Austin Smith.....	Paper.....	7.20
	S. P. Johnson.....	Typewriter, etc.....	184.50
	Jno. P. Nawrath.....	Twine, etc.....	8.07
	C. S. Braisted.....	Supplies.....	1.75
	J. E. Turton.....	Special packing boxes.....	62.46

224 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Sept. 1	Jno. C. Parker	Letter presses, etc.	\$331.50
	do	Baskets, rulers, etc.	188.19
6	United States Express Co	Transportation	353.80
	Rufus P. Clarke	Towels, etc.	28.96
	do	Wadding	8.75
	Royce & Marean	Brushes and wire	10.62
	Rudolph, West & Co	Screw-drivers	4.72
	The J. C. Ergood Co	Soap	7.50
	Fred A. Schmidt	Supplies	139.55
	M. Du Perow	do	426.00
	Mackall Bros	Soap	11.48
	Easton & Rupp	Supplies	24.60
	E. Morrison Paper Co.	Rubber bands, etc.	9.00
	Chas. R. Edmonston	Carbon paper	170.70
7	Jno. Schultzbach	Rain gauges	61.16
13	W. B. Moses & Co.	Dusters	10.00
	Hall, Headington & Co.	Mats	28.75
	Chas. E. Johnson & Co.	Ink	75.00
	Reading Paper Mills	Wrapping paper	18.00
	Chadwick Copying Book Co.	Letter copying books	28.14
	Thompson C. Gill & Co.	Clock	10.89
	Monarch Manufacturing Co.	Liquid gum	4.41
	Henry J. Green	Barometers	400.00
	The Neostyle Co	Bedplates	135.00
	Schneider Bros	Anemometer cups	25.00
	The Okonite Co., Limited	Wire	421.25
	J. H. Bunnell & Co.	Supplies	9.00
	Pain's Fireworks Co	Rockets	150.00
	Schneider Bros	Mirrors, etc.	117.20
16	F. J. Randolph	Traveling expenses	63.84
	Chas. F. Talman	Office expenses	23.42
	Benj. Harris	Drayage	10.10
	P. McDonough	Traveling expenses	16.68
	Jno. W. Towers	do	14.08
	Franklin G. Tingley	do	14.93
17	Wm. Ballantyne & Sons	Books	126.75
	S. A. Potter	Supplies	3.00
	Geo. F. Muth & Co.	Lanterns	39.62
	Jas. B. Lambie	Pliers, scissors, etc.	34.25
	Louis Hartig	Tacks	1.20
	Smith Premier Typewriter Co.	Typewriters	369.00
	J. R. Buckalew	do	576.00
	C. K. Judson	Supplies	235.29
19	E. M. Tilden	Pad ink	2.20
20	P. McDonough	Office expenses	40.09
	Orris W. Roberts	Traveling expenses	12.44
23	Adams Express Co	Transportation	36.10
	A. E. Outerbridge & Co.	do	60.99
	do	Passenger transportation	126.00
	Julien P. Friez	Supplies	105.00
	Kunhardt & Co	Transportation	3.00
24	Thomas Crawford	Traveling expenses	11.00
	Chas. F. Talman	do	20.52
	do	do	9.71
	do	Office expenses	5.60
30	Thos. Crawford	Services	97.80
	Orris W. Roberts	do	97.80
	Patrick McDonough	do	97.80
	Wm. B. Stockman	do	163.00
	Chas. F. Talman	do	97.80
	Franklin G. Tingley	do	97.80
	Jno. W. Towers	do	81.60
	Ernst T. Giers	do	97.80
	Clyde Lemon	do	81.60
	Mark W. Harrington	do	61.14
	Louis Dorman	do	97.80
	Jno. N. Ryker	do	97.80
	Geo. Kingsbury	do	97.80
	Total first quarter		15,136.65
Oct. 1	W. C. Newton & Co.	Duplicating rollers	7.25
	F. P. May & Co	Paper files	.47
	United States Express Co	Transportation	96.10
	Jno. C. Parker	Envelopes	49.45
	Adams Express Co.	Transportation	156.40
4	The Friedenwald Co	Paper	8.97
6	C. L. Haley Co	Office rent	60.00
	Pim, Forwood & Kellock	Transportation	1.00
	Ernst T. Giers	Office expenses	15.47

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 6	Geo. Kingsbury	Office expenses	\$15.00
8	Pennsylvania R. R. Co.	Passenger transportation	19.50
	Baltimore and Ohio R. R. Co.	do	33.00
	do	do	52.00
	Royal Mail Steam Packet Co.	do	136.62
	P. Mais & Sant.	Services and material	150.00
17	Trinidad Shipping and Trading Co., Limited.	Transportation	3.00
	W. B. Moses & Sons	Furniture	2,148.20
	Royce & Marean	Wire	4.50
18	Pennsylvania R. R. Co.	Passenger transportation	12.00
19	Orris W. Roberts	Office expenses	1.00
	Geo. Kingsbury	Traveling expenses	15.88
	The Juraqua Iron Co., Limited.	Service and material	52.60
	A. E. Outerbridge & Co.	Transportation	79.55
20	Clincket & Coates	Office rent	45.42
	Pim, Forwood & Kellock	Passenger transportation	50.00
	D. H. Rose	Mattress, pillow, etc.	8.62
21	J. G. Biddle	Nephoscopes	600.00
	E. Clare, civil engineer	Running levels	10.00
	Ernest Nuttall	Office rent	61.17
24	Wm. B. Stockman	Services	101.20
	Geo. Kingsbury	do	1.05
31	Wm. B. Stockman	do	168.50
	Mark W. Harrington	do	126.40
	Patrick McDonough	do	105.70
	George Kingsbury	do	101.10
	Jno. N. Ryker	do	101.10
	Louis Dorman	do	101.10
	Thos. Crawford	do	101.10
	Ernst T. Giers	do	101.10
	Jno. W. Towers	do	101.10
	F. G. Tingley	do	101.10
	Orris W. Roberts	do	101.10
	Chas. F. Talman	do	101.10
	Clyde Lemon	do	84.20
	A. V. Randall	do	19.57
Nov. 2	Wm. B. Stockman	Traveling expenses	15.89
	P. McDonough	Office expenses	6.12
	Ernst T. Giers	Traveling expenses	18.22
	The Jamaica Telephone Co.	Telephone service	11.75
3	Thos. Crawford	Office expenses	37.80
4	D. Hope Rose	Office rent	31.74
7	A. V. Randall	Traveling expenses	25.95
8	Louis Dorman	do	5.35
	Chas. F. Talman	Expenses	4.40
	W. Irving Shaw	Freight and drayage	12.23
	Ernst T. Giers	Expenses	3.35
	C. L. Maxwell	Office rent	50.00
9	Vincente Lopez	Services	9.50
15	Geo. Kingsbury	do	48.91
17	United States Express Co.	Transportation	3.85
23	Panama R. R. Co.	Services and material	196.33
30	F. J. Randolph	Traveling expenses	234.67
	Louis Dorman	Services	97.80
	Jno. W. Towers	do	97.80
	Geo. Kingsbury	do	48.89
	Orris W. Roberts	do	97.80
	Patrick McDonough	do	106.00
	Chas. F. Talman	do	97.80
	Wm. B. Stockman	do	163.00
	F. G. Tingley	do	97.80
	Ernst T. Giers	do	97.80
	Thos. Crawford	do	97.80
	Mark W. Harrington	do	122.20
	Clyde Lemon	do	81.60
	Albert V. Randall	do	97.80
	Jno. N. Ryker	do	97.80
	Boulton, Bliss & Dallett	Passenger transportation	60.00
Dec. 3	J. N. Ryker	Traveling expenses	10.00
	P. McDonough	Expenses	35.35
5	Mark W. Harrington	Traveling expenses	17.61
	Thos. Crawford	do	18.10
	Wm. Ballantyne & Sons	Supplies	49.69
	New York and Cuba Mail Steamship Co.	Passenger transportation	60.00
6	Compagnie Générale Trans-atlantique	Transportation	24.00
	do	Passenger transportation	22.50
	A. E. Outerbridge & Co.	do	63.00
7	Panama R. R. Co.	Rent of office	25.00
	do	Services and material	34.54

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1898.			
Dec. 7	J. H. Bunnell & Co.	Supplies	\$40.20
16	J. E. Turton	Shelters	510.00
	Adams Express Co.	Transportation	16.95
	Jno. C. Parker	Supplies	22.50
	do	do	36.65
	M. Du Perow	do	90.00
	Brentano's	do	1.00
	R. C. Ballantyne	do	94.31
	Logan, Swift & Brigham Envelope Co.	do	19.20
	Successors de Findlay Bros.	Lumber	25.53
	J. N. Ryker	Expenses	28.23
	Chas. F. Talman	do	4.26
	Mark W. Harrington	do	27.60
	Boulter, Bliss & Dallett	Passenger transportation	50.00
17	Geo. Kingsbury	Expenses	4.05
	J. N. Ryker	do	125.87
	A. B. Smith	Rent of office	47.23
	Orris W. Roberts	Expenses	7.37
20	W. B. Stockman	Office expenses	69.98
22	Seth Thomas Clock Co.	Supplies	337.00
	J. R. Scotland	Services	19.50
	Thos. Crawford	Expenses	9.70
	Willard Manufacturing Co.	Supplies	3.96
	International Ocean Telegraph Co.	Telegraphing	138.00
	Easton & Rupp	Supplies	54.00
23	The French Telegraph Cables Co.	Telegraph services	1,124.78
	W. B. Stockman	Expenses	4.08
31	Eduardo Sanches	Services	9.09
	Jno. W. Towers	do	101.10
	Geo. Kingsbury	do	101.10
	Orris W. Roberts	do	101.10
	Patrick McDonough	do	109.50
	Chas. F. Talman	do	101.10
	W. B. Stockman	do	168.50
	Frank G. Tingley	do	101.10
	Ernest T. Giers	do	101.10
	Thos. Crawford	do	101.10
	Mark W. Harrington	do	126.40
	Clyde Lemon	do	84.20
	Albert V. Randall	do	101.10
	Louis Dorman	do	101.10
	Jno. N. Ryker	do	101.10
	Total second quarter		12,368.07
1899.			
Jan. 3	United States Express Co.	Transportation	72.00
	W. C. Newton & Co.	Duplicating rollers	50.00
4	J. H. Thiemeyer	Packing boxes	29.50
	Julien P. Friez	Supplies	393.00
	A. Testart	Services	70.67
5	A. B. Smith	Office rent	85.35
	Clyde Lemon	Traveling expenses	17.45
7	Luis Ga y Carbonell	Services	85.25
	do	do	82.50
	C. L. Haley & Co.	Office rent	90.00
	United States Express Co.	Transportation	116.87
10	Jas. H. Kimball	Traveling expenses	19.75
12	United States and Haiti Telegraph and Cable Co.	Telegraph services	8.20
	Schneider Brothers	Thermometers	360.00
13	Pickford & Black	Passenger transportation	17.00
19	Queen & Co.	Supplies for stations	759.00
	Henry Perrenoud	Repairs to clock	4.00
	Leon Sully	Services	21.00
	A. Testart	Translating, etc.	8.20
	Thos. Crawford	Office expenses	17.91
	J. A. Wilson	do	1.00
	Orris W. Roberts	do	7.55
	Mark W. Harrington	do	4.67
	Chas. T. Talman	do	5.02
	Louis Dorman	do	149.19
	A. V. Randall	Traveling expenses	9.70
	C. L. Maxwell	Office rent	75.00
	D. Hope Ross	do	72.00
	Panama R. R. Co.	do	75.00
	Climckett & Coates	do	88.00
	Pim, Forwood & Kellock	Passenger transportation	53.00
	Jas. E. Ward & Co.	do	163.02
	E. Nuttall	Office rent	109.50

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 20	M. W. Hayes	Office expenses	\$1.00
	Fred. A. Schmidt	Milliographs	39.00
	Wm. Ballantyne & Sons	Dictionary	3.95
24	Postal Telegraph-Cable Co	Telegraph service	2.10
	A. Lisner	Wash basins	6.24
	Chas. R. Edmonston	Filter	16.00
	M. G. Copeland & Co	Flags	267.00
	The Smith Premier Typewriter Co.	Typewriters	180.00
30	A. Zappone	Passport to West India	1.00
	Jos. Lopez	Services	5.00
	Rafael Valiente	do	75.00
	Central R. R. Co. of New Jersey	Passenger transportation	6.50
	New York and Cuba Mail Steamship Co.	do	45.00
	A. E. Outerbridge & Co	do	61.00
	A. V. Randall	Office expenses	16.00
	Louis Dorman	do	42.20
	J. N. Ryker	do	12.01
	A. V. Randall	do	20.00
	Wm. B. Stockman	do	39.54
	Successors de Finlay Bros.	Lumber	1.59
	Jamaica Telephone Co., Limited	Telephone service	23.04
31	A. Cæsar Cavain	Office rent	30.80
	J. E. Bartlett	Services	96.67
	R. M. Geddings	do	66.67
	F. G. Tingley	do	103.30
	J. A. Wilson	do	103.30
	Ernst T. Giers	do	103.30
	Thos. Crawford	do	103.30
	Jas. H. Kimball	do	69.44
	M. W. Harrington	do	129.20
	Clyde Lemon	do	86.10
	A. V. Randall	do	103.30
	Louis Dorman	do	103.30
	J. N. Ryker	do	103.30
	J. W. Towers	do	62.00
	M. W. Hayes	do	120.83
	Wm. B. Stockman	do	172.20
	Chas. F. Talman	do	103.30
	Patrick McDonough	do	111.90
	O. W. Roberts	do	103.30
	Geo. Kingsbury	do	103.30
	Chas. F. Marvin	do	258.30
Feb. 1	R. M. Geddings	Office expenses	1.00
	Ernst T. Giers	do	4.18
	C. F. Talman	do	2.98
	Carlos Fox	Office rent	99.17
	International Ocean Telegraph Co.	Telegraph services	115.27
	The French Telegraphic Cables Co.	do	898.85
7	Pim, Forward & Kellock	Passenger transportation	53.00
	Louis F. Greene	Services	5.56
	I. P. Roosa	Office expenses	15.60
8	Baltimore and Ohio R. R. Co	Passenger transportation	13.00
9	A. Testart	Traveling expenses	5.20
	Geo. Kingsbury	do	6.25
18	Postal Telegraph Cable Co	Telegraph services	1,153.16
	Jno. C. Parker	Letter press, etc.	60.00
	M. G. Copeland & Co	Flags	156.00
	J. R. Buckelew	Typewriters, etc.	189.00
20	International Ocean Telegraph Co.	Telegraph services	61.13
21	Enrique del Monte	Services	60.00
	Carmelo Sevilla	do	8.87
	Pim, Forward & Kellock	Passenger transportation	30.00
	do	Transportation	4.32
23	M. W. Harrington	Office expenses	3.91
	P. McDonough	do	13.00
	M. W. Hayes	Traveling expenses	11.75
24	R. M. Geddings	do	5.60
	I. P. Roosa	do	6.00
	Luis Ga. y Carbonelle	Services	109.97
	Jos. Lopez	do	71.67
	do	do	3.33
25	J. Edward Turton	Instrument shelters	58.00
	W. B. Moses & Sons	Desks, etc.	136.10
	W. C. Newton & Co	Rollers	6.00
	Rudolph, West & Co	Cuspidors	5.88
	do	Oil cans	6.50
	do	Monkey wrenches	4.80
	do	Pitchers	7.56
	M. Du Perow	Supplies	54.00
	Chas. E. Edmonston	Filter	16.00

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Feb. 25	United States Express Co	Transportation	\$29.25
	Postal Telegraph Cable Co	Telegraph service	711.56
	do	do	949.27
28	Geo. Kingsbury	Services	93.40
	O. W. Roberts	do	63.33
	Patrick McDonough	do	101.20
	Chas. F. Talman	do	93.40
	Wm. B. Stockman	do	155.60
	M. W. Hayes	do	116.60
	Jas. L. Bartlett	do	93.40
	L. F. Green	do	77.80
	Enrique del Monte	do	93.40
	Luis Ga. y Carbonnell	do	86.67
	Carmelo Sevilla	do	25.00
	R. M. Geddings	do	93.40
	Jasper A. Wilson	do	93.40
	F. G. Tingley	do	93.40
	Ernst T Giers	do	93.40
	J. H. Kimball	do	77.80
	Thos. Crawford	do	93.40
	M. W. Harrington	do	116.60
	Clyde Lemon	do	77.80
	Jas. Lopez	do	25.00
	A. V. Randall	do	93.40
	Louis Dorman	do	93.46
	Jno. W. Ryker	do	93.40
	Chas. F. Marvin	do	233.40
	Jno. W. Towers	do	56.00
Mar. 1	The West India and Panama Telegraph Co.	Telegraph service	1,086.31
	do	do	1,254.70
	do	do	1,221.12
	do	do	653.11
2	D. O. Riviere	Office rent	47.74
	A. E. Outerbridge & Co.	Passenger transportation	60.00
	Chas. F. Talman	Office expenses	2.63
3	Chas. R. Edmonston	Tube filters	32.00
	United States Express Co.	Transportation	152.10
	M. G. Copeland & Co.	Signal flags	156.00
8	Jasper A. Wilson	Traveling expenses	6.20
	Thos. Crawford	do	20.73
9	F. J. Marxnach	Services, etc.	15.31
	do	do	5.00
	J. N. Ryker	Office expenses	1.20
	Pennsylvania R. R. Co.	Passenger transportation	6.50
	Hall, Headington & Co.	Mats	16.00
16	Seth Thomas Clock Co.	Clocks	41.20
	J. P. Nawrath	Twine	18.00
	Peter Gray	Lanterns	80.00
	Chadwick Copying Book Co.	Letter copy books	52.50
	Julien P. Friez	Supplies	562.60
	The J. C. Ergood Co.	Soap	11.25
	R. P. Clarke	Towels	50.00
	Herman Baumgarten	Stamps	7.50
	The Okonite Co., Limited	Wire	87.50
	Holyoke Envelope Co.	Envelopes	21.30
	Mark W. Harrington	Traveling expenses	39.72
	do	Office expenses	1.17
	do	do	11.23
	do	do	8.20
	Louis Dorman	do	15.00
	A. V. Randall	do	4.60
	Thos. Crawford	do	18.42
	F. G. Tingley	do	24.21
	Wm. J. Reed	do	6.68
	E. J. Glass	do	2.00
	Chesapeake and Ohio Rwy. Co.	Passenger transportation	16.00
	Savannah, Florida and Western Rwy. Co.	do	31.80
	Western Union Telegraph Co.	Telegraph service	1,094.05
17	J. H. Thiemeyer	Packing boxes	116.00
18	Wm. B. Stockman	Office expenses	56.13
	do	Traveling expenses	16.13
	Rufus P. Clarke	India linen	24.00
	Jno. C. Parker	Dictionaries	43.00
	Geo. F. Muth & Co.	Lamps	16.00
	Rudolph, West & Co.	Tin cups	32.81
	Jas. B. Lambie	Nail pullers, etc	30.56
	do	Shears	28.80
	W. B. Moses & Sons	Duster	50.00
20	Mark W. Harrington	Office expenses	32.37
	R. M. Geddings	do	24.93

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Mar. 20	Schneider Bros.....	Thermometers.....	\$485.00
	C. E. Johnson & Co.....	Ink.....	510.00
	Choctaw, Oklahoma and Gulf R. R. Co.....	Passenger transportation.....	5.55
	Choctaw and Memphis R. R. Co.....	do.....	3.00
21	Jas. L. Bartlett.....	Traveling expenses.....	7.35
23	Postal Telegraph Cable Co.....	Telegraph service.....	143.30
	Louis F. Greene.....	Traveling expenses.....	17.60
	Geo. Kingsbury.....	Office expenses.....	2.68
	do.....	do.....	2.50
	E. Morrison Paper Co.....	Rubber bands.....	517.30
	Estate of Jno. Schultzbach.....	Rain gauges.....	278.00
	Julien P. Friez.....	Supplies.....	17.00
29	Peter Gray.....	Lanterns.....	112.50
31	Chas. F. Marvin.....	Services.....	258.30
	Geo. Kingsbury.....	do.....	103.30
	Chas. F. Talmon.....	do.....	103.30
	Patrick McDonough.....	do.....	111.90
	Wm. B. Stockman.....	do.....	172.20
	Montrose W. Hayes.....	do.....	129.20
	F. G. Tingley.....	do.....	103.30
	Luis Ga. y Carbonell.....	do.....	103.30
	Carmelo Sevilla.....	do.....	25.00
	R. M. Geddings.....	do.....	103.30
	Jasper A. Wilson.....	do.....	103.30
	Ernst T. Giers.....	do.....	103.30
	Jas. H. Kimball.....	do.....	86.10
	Mark W. Harrington.....	do.....	129.20
	Jos. Lopez.....	do.....	25.00
	A. V. Randall.....	do.....	103.30
	Louis Dorman.....	do.....	103.30
	Jno. N. Ryker.....	do.....	103.30
	Jno. W. Towers.....	do.....	62.00
	Louis F. Greene.....	do.....	86.10
	Jas. L. Bartlett.....	do.....	103.30
	Total third quarter.....		25,442.26
Apr. 1	Postal Telegraph Cable Co.....	Telegraph service.....	17.11
	W. C. Newton & Co.....	Staples, etc.....	20.62
	A. Cesar Covani.....	Office rent.....	84.00
	Louisville and Nashville R. R. Co.....	Passenger transportation.....	11.25
	New York and Cuba Mail Steamship Co.....	do.....	45.00
6	Jas. L. Bartlett.....	Office expenses.....	35.65
	Louis F. Greene.....	do.....	86.50
	Geo. Kingsbury.....	do.....	2.40
	Chas. F. Talman.....	do.....	4.76
	W. B. Stockman.....	do.....	78.00
	M. W. Hayes.....	do.....	71.50
	A. V. Randall.....	do.....	4.65
	Clyde Lemon.....	Services.....	92.78
	Nicholas Rodrigues.....	Chairs.....	93.00
	A. B. Smith.....	Office rent.....	85.35
	D. Hope Ross.....	do.....	72.00
	C. L. Haley & Co.....	do.....	90.00
11	West India and Panama Telegraph Co.....	Telegraph service.....	9.57
15	Panama R. R. Co.....	Office rent.....	75.00
	Ernst T. Giers.....	Office expenses.....	1.97
17	Geo. Kingsbury.....	do.....	2.50
	G. Herold Noyes.....	Traveling expenses.....	7.00
	Leon J. Guthrie.....	Office expenses.....	1.00
	do.....	Traveling expenses.....	11.75
	Wm. H. Alexander.....	do.....	11.00
	do.....	Office expenses.....	1.00
19	Jamaica Telephone Co., Limited.....	Telephone service.....	23.25
20	Geo. Kingsbury.....	Office expenses.....	1.76
	West India and Panama Telegraph Co.....	Telegraph service.....	158.36
	International Ocean Telegraph Co.....	do.....	9.30
	C. L. Maxwell.....	Office rent.....	75.00
	Baltimore & Ohio R. R. Co.....	Passenger transportation.....	21.00
21	Postal Telegraph Cable Co.....	Telegraph service.....	22.33
	United States Express Co.....	Transportation.....	24.05
	M. G. Copeland.....	Flags.....	592.00
	J. E. Turton.....	File case.....	14.00
	Jno. C. Parker.....	Paper.....	633.50
	Jas. H. Pitt.....	Services.....	2.00
	E. Nuttall.....	Office rent.....	109.50
	Mackall Bros.....	Soap.....	10.34
26	Central R. R. Co. of New Jersey.....	Passenger transportation.....	6.50
	Boulton, Bliss & Dallett.....	do.....	50.00
	Wm. Ballantyne & Sons.....	Dictionary.....	3.95

230 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Apr. 29	Montrose W. Hayes	Services	\$123.60
	F. G. Tingley	do	98.90
	Ernst T. Giers	do	98.90
	Jas. H. Kimball	do	82.40
	R. M. Giddings	do	120.33
	Mark W. Harrington	do	123.60
	A. V. Randall	do	98.90
	Louis Dorman	do	98.90
	Jno. N. Ryker	do	98.90
	Leon J. Guthrie	do	54.95
	Geo. Kingsbury	do	98.90
	W. H. Alexander	do	54.95
	Patrick McDonough	do	107.10
	C. F. Talman	do	98.90
	Wm. B. Stockman	do	164.80
	Jas. L. Bartlett	do	98.90
	Louis F. Greene	do	82.40
	Luis Ga. y Carbonell	do	98.90
	Carmelo Sevilla	do	25.00
	Clyde Lemon	do	98.90
	Jasper A. Wilson	do	98.90
	G. H. Noyes	do	52.20
	Jos. Lopez	do	25.00
	C. F. Marvin	do	247.25
	Jno. W. Towers	do	59.30
May 1	J. H. Kimball	Traveling expenses	11.85
	Clinchette & Coates	Office rent	88.00
3	Louis Dorman	Office expenses	37.50
	Chas. F. Talman	do	2.12
	J. N. Ryker	do	5.54
	P. McDonough	do	5.00
	R. M. Giddings	Office expenses	24.50
	M. W. Hayes	do	25.07
4	Boulton, Bliss & Dallett	Passenger transportation	70.00
	Western Union Telegraph Co.	Telegraph service	11.77
	Illinois Central R. R. Co.	Passenger transportation	18.00
15	Geo. Kingsbury	Office expenses	2.50
	do	do	1.93
	Luis Ga. y Carbonell	do	20.00
	do	do	20.00
16	Wm. B. Stockman	do	126.23
	do	Traveling expenses	60.63
	J. A. Wilson	do	6.75
17	Sociedad Anomina Luz Electrica	Installation and rent of electric lights	22.00
	do	Electric lights	12.00
	do	do	12.90
	Geo. W. Knox Express Co.	Transportation	18.40
18	A. E. Outerbridge & Co.	Passenger transportation	53.00
	Pim, Forwood & Kellock	do	100.00
	Baltimore and Ohio R. R. Co.	do	19.50
	W. B. Moses & Sons	Furniture	567.70
	Jas. B. Lambie	Waste cotton, etc.	45.75
	Easton & Rupp	Books and blotters	16.08
	Smith Premier Typewriter Co.	Typewriter	92.25
	Schneider Bros.	Thermometers	460.00
	Royal Mail Steam Packet Co.	Passenger transportation	24.12
19	Teresa M. Vda de Rivas	Office rent	100.00
	do	do	20.65
	D. C. Reviere	do	60.00
	J. H. Thiemeier	Packing boxes	59.00
20	G. H. Noyes	Traveling expenses	17.00
22	M. G. Copeland & Co.	Flags	90.00
23	Baltimore and Ohio Southwestern R. R. Co.	Passenger transportation	20.25
	Chas. F. Talman	Office expenses	2.33
	Wm. H. Alexander	Traveling expenses	11.66
	Leon J. Guthrie	do	11.80
	R. M. Giddings	do	13.25
	M. G. Roves	Office expenses	10.67
31	W. H. Alexander	Services	85.20
	Geo. Kingsbury	do	102.20
	Patrick McDonough	do	110.80
	Jas. L. Bartlett	do	85.20
	W. B. Stockman	do	170.40
	M. W. Hayes	do	127.80
	Paul DeGraw	do	85.20
	Luis Ga. y Carbonell	do	102.20
	C. F. Talman	do	102.20
	Louis F. Greene	do	85.20
	Carmelo Sevilla	do	13.71

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
May 31	Carmelo Seville	Services	\$11.29
	F. G. Tingley	do	102.20
	Jas. H. Kimball	do	85.20
	Ernst T. Giers	do	102.20
	G. H. Noyes	do	85.20
	Jos. Lopez	do	25.00
	R. M. Giddings	do	127.80
	Clyde Lemon	do	102.20
	Mark W. Harrington	do	127.80
	A. V. Randall	do	102.20
	Louis Dorman	do	102.20
	C. F. Marvin	do	255.50
	Jno. W. Towers	do	61.40
	J. A. Wilson	do	102.20
	Leon J. Guthrie	do	85.20
	Jno. N. Ryker	do	102.20
June 1	H. C. Miller	do	24.73
2	R. M. Giddings	Office expenses	3.00
	New York and Cuba Mail Steamship Co.	Passenger transportation	40.00
	Sociedad Anomina Luz Electrica	Electric lights	12.00
3	Jos. A. Bartlett	Traveling expenses	6.45
	Geo. Kingsbury	do	5.40
	Pennsylvania R. R. Co	Passenger transportation	6.50
	Jas. E. Ward & Co.	Transportation	66.22
6	Boulton, Bliss & Dallett	Passenger transportation	70.00
7	M. Soler	Telephone services	1.42
	Luis Ga. y Carbonell	Office expenses	20.00
	Teresa M. Vda de Rivas	Office rent	100.00
8	J. R. Buckelew	Typewriters	189.00
	W. B. Moses & Sons	Feather dusters	25.00
	R. Carter Ballantyne	Fasteners	1.95
	Rudolph West & Co.	Halyards	8.80
	John C. Parker	Paper, erasers, etc.	150.23
14	Easton & Rupp	Carbon paper	150.00
16	W. H. Alexander	Office expenses	5.88
	Manuel J. Roves	Office rent	40.00
	Manhattan Contracting Co	Repairs to office	150.00
	do	Services and material	251.00
	Mark W. Harrington	do	8.24
	Serafin Cruze	Painting instrument shelters	29.40
	Chas. E. Johnson & Co	Ink	150.00
	J. P. Nawrath	Twine	13.00
	Gulf, Colorado and Santa Fé Rwy. Co	Passenger transportation	12.35
	Pim, Forwood & Kellock	do	53.00
	Louisville and Nashville R. R. Co	do	27.50
	A. E. Outerbridge & Co	do	60.00
17	Clyde Lemon	Office expenses	2.91
	do	Traveling expenses	22.62
	Seth Thomas Clock Co	Clocks	24.00
19	Rudolph West & Co	Halyards	9.85
	Jas. B. Lambie	Halyards, etc	42.00
	Wm. Ballantyne & Sons	Spanish grammar	1.10
21	The White Corbin Co	Envelopes	87.87
22	Panama R. R. Co	Services	34.87
	do	Rent of office	50.00
	Chas. F. Talman	Traveling expenses	2.00
	R. M. Giddings	Office expenses	4.50
	J. N. Ryker	Traveling expenses	17.00
	Royal Mail Steam Packet Co	Transportation	110.31
	do	Passenger transportation	20.00
26	Jno. C. Parker	Stationery	251.60
	E. M. Tilden	Type	31.80
30	Wm. H. Alexander	Services	82.40
	Patrick McDonough	do	107.10
	J. L. Bartlett	do	82.40
	M. W. Hayes	do	123.60
	F. G. Tingley	do	98.90
	Paul DeGraw	do	82.40
	L. F. Greene	do	82.40
	Luis Ga. y Carbonell	do	98.90
	Carmelo Sevilla	do	25.00
	Chas. F. Talman	do	98.90
	H. C. Miller	do	82.40
	Ernst T. Giers	do	98.90
	Jas. H. Kimball	do	82.40
	R. M. Geddings	do	123.60
	Clyde Lemon	do	98.90
	G. H. Noyes	do	82.40
	Jos. Lopez	do	25.00
	A. V. Randall	do	98.90

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
June 30	Jno. N. Ryker	Services	\$98.90
	Leon J. Guthrie	do	82.40
	Wm. B. Stockman	do	164.80
	C. F. Marvin	do	247.25
	C. F. Talman	do	8.12
	Jno. W. Towers	do	59.30
	Total fourth quarter		14,859.35
	<i>Supplemental.</i>		
July 3	Manhattan Contracting Co.	Services	73.70
	do	do	15.00
	The News Publishing Co	Printing	12.25
	Sociedad Anomina Luz Electrica ..	Electric light	12.00
	A. Cesar Covani	Office rent	84.00
	Chas. F. Talman	Office expenses	11.00
	C. L. Haley & Co.	Office rent	90.00
6	Logan, Swift & Brigham Envelope Co	Envelopes	5.75
7	A. V. Randall	Office expenses	4.50
11	Geo. F. Muth & Co.	Lanterns	55.50
	R. Carter Ballantyne	Paper, inkstands, etc	72.60
	M. G. Copeland & Co.	Flags	600.75
	M. Du Perow	Insulators	9.00
	United States Express Co	Transportation	8.60
	W. B. Moses & Sons	Cots, mattresses	29.20
12	The White, Corbin & Co	Envelopes	23.85
	Monarch Manufacturing Co	Gum	58.80
	Teresa M. Vda de Rivas	Office rent	100.00
	Luis Ga. y Carbonell	Office expenses	20.00
14	D. Hope Ross	do	72.00
	J. H. Thiemeyer	Packing boxes	58.00
17	C. L. Maxwell	Office rent	75.00
	E. Nuttall	do	109.50
	M. G. Roves	do	40.00
	Jno. C. Parker	Paper, etc	950.00
	Estate of Schultzbach	Rain gauges	69.50
	Wm. Ballantyne & Sons	Dictionary and grammar	5.05
21	Hall, Headington & Co.	Mats	28.75
	Schneider Bros	Thermometers	300.00
22	Wm. B. Stockman	Traveling expenses	48.30
	do	Office expenses	185.43
25	A. B. Smith	Office rent	85.35
	Sociedad Anomina Luz Electrica ..	Electric light	12.00
	The News Publishing Co	Printing crop bulletins	16.75
	H. C. Miller	Traveling expenses	8.25
26	Wm. H. Alexander	Office expenses	14.33
	Louis Dorman	do	39.15
	Jamaica Telephone Co., Limited ..	Telephone service	23.25
	Clinckett & Coates	Office rent	88.00
	D. O. Riviere	do	60.00
	Ed. Newman	Ice	21.72
Aug.	Jose Tandon	Flagstaff	24.00
2	M. G. Copeland & Co.	Signal flags	267.00
3	Ed. Newman	Oil	5.76
11	Baltimore and Ohio R. R. Co	Passenger transportation	29.50
	Central R. R. Co. of New Jersey ..	do	6.50
	Pennsylvania R. R. Co	do	22.50
	Boston Fruit Co	do	40.00
	J. H. Bunnell & Co.	Supplies	36.82
14	United Typewriter and Supplies Co	Typewriter pad	9.60
	W. B. Moses & Sons	Tables	170.50
	Jas. B. Lambie	Waste cotton	23.65
	W. C. Newton & Co.	Rollers	37.50
17	O. W. Roberts	Traveling expenses	70.75
	Baltimore and Ohio R. R. Co	Passenger transportation	6.50
21	Paul De Graw	Traveling expenses	7.40
	Chicago and Northwestern Rwy. Co.	Passenger transportation	9.02
	Central R. R. Co. of New Jersey ..	do	6.50
31	R. M. Geddings	Office expenses	4.96
	M. W. Hayes	do	57.03
Sept. 8	United States Express Co	Transportation	11.61
	do	do	4.95
14	Ernst F. Giers	Office expenses	2.67
	F. G. Tingley	do	24.22
	Leon J. Guthrie	do	4.59
	Patrick McDonough	do	10.00
	J. H. Kimball	do	5.64
	Paul De Graw	do	12.50
	Louis Dorman	do	98.90
15	C. F. Talman	do	23.42
19	F. G. Tingley	do	20.88

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

WEATHER BUREAU—METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Sept. 22	The Havana Herald Co	Printing bulletins	\$101.40
	do	Printing circulars	18.40
Oct. 5	Postal Telegraph Cable Co	Telegraph service	43.22
20	Western Union Telegraph Co	do	6.40
	do	do	54.99
	Cuban and Pan-American Express Co	Transportation	36.60
21	The Havana Herald Co	Mounting maps	16.00
26	do	Printing circular No. 4	21.70
Nov. 1	The West Indian and Panama Telegraph Co., Limited.	Telegraph service	25.04
	International Ocean Telegraph Co.	do	2.28
	Cuba Submarine Telegraph Co., Limited.	do .....	.50
	Franklin G. Tingley	Traveling expenses	6.75
2	Postal Telegraph Cable Co	Telegraph services	12.76
10	United States Express Co	Transportation	2.70
	do	do	8.75
	Total		5,009.79

RECAPITULATION.

First quarter	\$15,136.65
Second quarter	12,368.07
Third quarter	25,442.26
Fourth quarter	14,859.35
Supplemental	5,009.79
Total	72,816.12

ERECTION OF BUILDING AT SAULT STE. MARIE, MICH.

Date.	Name.	Nature of payment.	Total.
1898.			
Nov. 23	The Detroit Free Press	Advertising	\$9.12
	The Detroit Journal Co	do	19.00
Dec. 17	Frank C. Baldwin	Services	75.00
	Total in quarter		94.12
1899.			
June 7	Marshall N. Hunt	Partial payment on office building.	1,400.00
	Total in quarter		1,400.00
	<i>Supplemental.</i>		
July 24	Marshall N. Hunt	Construction of building	1,500.00

RECAPITULATION.

Second quarter	\$94.12
Fourth quarter	1,400.00
Supplemental	1,500.00
Total	2,994.12

REPAIRS TO BUILDINGS AND GROUNDS AT BISMARCK, N. DAK.

Date.	Name.	Nature of payment.	Total.
1898.			
Oct. 8	W. H. Jager	Services and material	\$340.00
21	Frank G. Grambs	do	1,179.50
Nov. 2	Gull River Lumber Co	do	471.80
	Total in quarter		1,991.30

234 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1899—Cont'd.

REPAIRS TO BUILDING AND GROUNDS AT BISMARCK, N. DAK.—Continued.

Date.	Name.	Nature of payment.	Total.
1899.			
Jan. 4	Webb Bros	Repairing windows, etc.	\$29.50
21	Glineburg & Lovin	Repairing office building	40.00
	Total in quarter		69.50
May 19	W. H. Jager	Repairs to grounds	25.00
June 2	J. A. Barnes	Repairs to fence	196.90
21	Frank G. Grambs	Repairs to cistern	221.40
	Total in quarter		443.30
	<i>Supplemental.</i>		
	E. H. Jones	Painting and papering office ...	495.00

RECAPITULATION.

Second quarter	\$1,991.30
Third quarter	69.50
Fourth quarter	443.30
Supplemental	495.00
Total	2,999.10

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