

EXPENDITURES FOR INTERNATIONAL EXCHANGES, ETC.

LETTER

FROM THE

SECRETARY OF THE SMITHSONIAN INSTITUTION,

TRANSMITTING

A detailed statement of the expenditures of the fiscal year ending June 30, 1889, under the appropriations by Congress for "International exchanges, National Museum and North American Ethnology."

DECEMBER 21, 1889.—Referred to the Committee on Appropriations and ordered to be printed.

SMITHSONIAN INSTITUTION,
 Washington, D. C., December 21, 1889.

SIR: In accordance with a provision in the sundry civil act of October 2, 1888, I have the honor to submit to Congress a detailed statement of the expenditures for the fiscal year 1889, under the appropriations for "International Exchanges," the "National Museum," and "North American Ethnology."

These statements do not include the salaries of the officers and employés of the Smithsonian Institution, with the exception of that of the Assistant Secretary in charge of the Museum. Their services are given to these bureaus without cost to the Government.

I have the honor to be, very respectfully, your obedient servant,
 S. P. LANGLEY,
Secretary.

The SPEAKER OF THE HOUSE OF REPRESENTATIVES.

INTERNATIONAL EXCHANGES.

Appropriation by Congress for the fiscal year ending June 30, 1889, "for expenses of the system of international exchanges between the United States and foreign countries, under the direction of the Smithsonian Institution, including salaries or compensation of all necessary employés" (sundry civil act, October 2, 1888) \$15,000.00

Expenditures during the fiscal year 1888-'89.

Salaries or compensation	\$12,271.75
Freight	1,348.57
Packing-boxes	512.00

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Printing.....	\$177.92
Postage.....	130.00
Binding records.....	97.50
Date-stamps and stencils.....	86.75
Furniture and fixtures for offices and store-rooms.....	106.36
Stationery and miscellaneous supplies.....	268.50

Total expenditure to December 1, 1889..... \$14,999.35

Balance unexpended December 1, 1889..... .65

The cost of the international exchange system since July 1, 1886, has been as follows:

Fiscal year 1886-1887.....	\$14,683.11
Fiscal year 1887-1888.....	15,113.46
Fiscal year 1888-1889.....	17,329.99
Total cost.....	47,126.56

For the payment of this expense the Smithsonian Institution has received the following sums:

	From Congress.	From other sources.
Fiscal year 1886-1887.....	\$10,000	\$696.48
Fiscal year 1887-1888.....	12,000	205.75
Fiscal year 1888-1889.....	15,000	2,189.52
	37,000	3,091.75
Total receipts.....		40,091.75

Showing a balance due the Institution July 1, 1889, of..... 7,034.81

Up to 1880, inclusive, the Smithsonian Institution has paid \$92,386.29 for exchange of which it is estimated that more than two-thirds were on Government account, for which the Government paid nothing.

Since the year 1880 the service has cost \$96,065.85, of which the Government has paid \$57,500, leaving \$38,565.85 of the cost to be borne by the Smithsonian Institution, this being exclusive of the rent of the rooms, which represents about \$3,000 a year in addition.

Analysis of salaries and compensation paid from the appropriation for international exchanges for 1888-'89.

[All of these persons were employed by the month or day, and some for part of the year only.]

	Monthly salary,
1 curator { ten months at.....	\$175.00
two months at.....	208.33
1 clerk.....	150.00
1 clerk.....	110.00
1 clerk.....	80.00
2 clerks.....	75.00
1 clerk.....	70.00
1 clerk.....	65.00
1 messenger.....	30.00
1 packer.....	75.00
1 packer.....	50.00
1 laborer.....	40.00
1 agent, Europe.....	83.33
1 agent, Great Britain.....	41.66

EXPENDITURES FOR INTERNATIONAL EXCHANGES, ETC.

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Detailed list of vouchers for expenditures for international exchanges 1883-'89.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
1	Pay-roll, July 1-15, services	\$397.50	78	G. Spitzer, rubber stamps	1.50
2	Pay-roll, July 16-31, services	397.50	79	J. C. Parker, stationery	26.49
3	J. H. Kidder, July, services	175.00	80	A. Schumacher & Co., freight	34.73
4	Pay-roll, Aug. 1-15, services	397.50	81	J. R. Livermore, freight	5.75
5	Pay-roll, Aug. 16-31, services	397.50	82	Oelrichs & Co., freight	3.93
6	J. H. Kidder, Aug., services	175.00	83	C. L. French, freight	2.00
7	Pay-roll, Sept. 1-15, services	397.50	84	Adams Express Company, freight	3.50
8	Pay-roll, Sept. 16-30, services	397.50	85	G. Spitzer, die for stamps	1.50
9	J. H. Kidder, Sept., services	175.00	86	Wyckoff, Seamans & Benedict, ribbon for type-writer	1.00
10	H. J. Brown, stencils	68.00	87	W. H. Nalley, binding	11.50
11	Pay-roll, October 1-15, services	397.50	88	Pay-roll, February 15, services	407.50
12	Louis Heilbrun, packing-boxes	12.50	89	G. W. Knox, freight	79.21
13	Flint & Co., freight	1.25	90	Adams Express Company, freight	1.10
14	S. L. Merchant & Co., freight	1.50	91	W. H. Nalley, binding	40.00
15	B. Westermann & Co., freight	2.00	92	J. H. Kidder, February, services	175.00
16	Oelrichs & Co., freight	31.84	93	Pay-roll, February 16-28, services	407.50
17	Schneider & Co., freight	2.19	94	W. Ballantyne & Son, stationery	12.32
18	Pay-roll, October 16-31, services	330.00	95	Taylor & Co., printing	10.00
19	J. H. Kidder, October, services	175.00	96	Oelrichs & Co., freight	4.75
20	J. C. Parker, stationery	21.87	97	F. P. May & Co., letter scales and hardware	27.87
21	Judd & Detweiler, printing ex- change blanks	23.50	98	Barber & Co., freight	16.57
22	Geo. W. Knox, freight	57.23	99	W. H. Nalley, binding	3.50
23	do	88.74	100	Pay-roll, March 1-15, services	407.50
24	do	86.00	101	Library Bureau, catalogue cards	7.80
25	Wyckoff, Seaman & Benedict, type-writer case	25.00	102	Barber & Co., freight	11.37
26	Adams Express, freight	17.20	103	Oelrichs & Co., freight	2.46
27	City post-office, postage	100.00	104	L. L. Merchant & Co., freight	1.50
28	U. S. Express Co., freight	6.60	105	J. H. Kidder, March, services	175.00
29	Judd & Detweiler, printing	51.00	106	Pay-roll, March 16-31, services	407.50
30	Pay-roll, November 1-15, services	330.00	106a	City post-office, postage	30.00
31	Pay-roll, November 16-30, services	330.00	107	Pay-roll, April 1-15, services	407.50
32	J. H. Kidder, services	175.00	108	Taylor & Co., printing	5.00
33	Oelrichs & Co., freight	12.91	109	Oelrichs & Co., freight	2.00
34	C. L. French, freight	2.00	110	do	1.35
35	Sanderson & Son, freight	4.33	111	G. Spitzer, rubber stamp	.75
36	E. Morrison, twine and paper	32.60	112	Barber & Co., freight	0.54
37	Barber & Co., freight	9.75	113	A. Schumacher & Co., freight	17.91
38	W. H. Nalley, book-binding	42.50	114	Barber & Co., freight	5.19
39	Barber & Co., freight	11.69	115	Adams Express Company, freight	6.95
40	A. G. Gedney, dating-stamp	15.00	116	E. E. Jackson & Co., packing boxes	109.75
41	A. S. Schumacher & Co., freight	14.02	117	J. TerKuil, freight	1.50
42	A. G. Gonyales, freight	13.05	118	Oelrichs & Co., freight	2.96
43	Pay-roll, December 1-15, services	330.00	119	G. W. Knox, freight	63.56
44	G. W. Knox, freight	119.61	120	Taylor & Co., printing cards	12.00
45	do	101.06	121	Easton & Rupp, stationery	9.05
46	Flint & Co., freight	1.50	122	William Ballantyne & Son, station- ery	14.45
47	Barber & Co., freight	5.68	123	John C. Parker, stationery	17.40
48	Oelrichs & Co., freight	8.16	124	E. E. Jackson & Co., packing boxes	63.75
49	Taylor & Co., printing	18.00	125	Flint & Co., freight	1.50
50	J. C. Parker, stationery	44.90	126	Hensel Bruckmann & Lorbacher, freight	7.22
51	Adams Express Company, freight	4.25	127	Kane & Roache, drop-light	6.35
52	E. E. Jackson & Co., packing boxes	80.00	128	Pay-roll, April 16-30, service	407.50
53	Barber & Co., freight	5.69	129	Judd & Detweiler, printing	20.92
54	L. W. Morris & Son, freight	1.50	130	United States Express Company, freight	3.30
55	B. S. Adams, printing	33.50	131	J. H. Kidder, April 1-8, service	46.67
56	T. E. Young, iron hand-car	15.00	132	Pay-roll, May 1-15, services	407.50
57	Pay-roll, December 16-31, services	330.00	133	William Wesley & Son, book	1.49
58	J. H. Kidder, December, services	175.00	134	Oelrichs & Co., freight	3.75
59	Barber & Co., freight	26.96	135	Barber & Co., freight	5.69
60	Oelrichs & Co., freight	7.83	136	George W. Knox, freight	70.03
61	Flint & Co., freight	1.50	137	do	143.50
62	E. Morrison, record cards	38.75	138	Adams Express Company, freight	2.00
63	Taylor & Co., printing	4.00	139	do	13.35
64	do	2.25	140	H. B. Bailey & Co., freight	1.25
65	United States Express Company, freight	.25	141	S. L. Merchant & Co., freight	1.50
66	E. E. Jackson & Co., packing boxes	42.50	142	Z. D. Gilman, soap	1.50
67	W. Wesley & Son, services	250.00	143	Barber & Co., freight	11.05
68	F. Flugel, services	500.00	144	W. C. Winlock, May 15-31, serv- ices	114.25
69	Brentano's Directory	5.00	145	Pay-roll, May 16-31, services	407.50
70	Oelrichs & Co., freight	1.43	146	E. M. Rosafy, services	5.00
71	Pay-roll, January 1-15, services	407.50	147	Baltimore & Ohio Railroad, freight	.72
72	Barber & Co., freight	5.80	148	E. E. Brooks, gas fixtures	60.00
73	W. H. Butler, varnish brushes	3.00	149	E. E. Jackson & Co., packing boxes	203.50
74	Church & Stephenson, lumber	9.01	150	Oelrichs & Co., freight	8.70
75	J. H. Kidder, January, services	175.00			
76	Pay-roll, January 16-31, services	407.50			
77	G. W. Knox, freight	84.60			

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Detailed list of vouchers for expenditures for international exchanges for 1888-'89—Cont'd.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
151	Barber & Co., freight	\$5.69	162	N. Schumacher & Co., freight....	\$15.02
152	United States Express Company, freight	1.70	163	Union Pacific Railroad, freight....	1.21
153	Pay-roll, June 1-15, services	407.50	164 do40
154	Wealey & Son, services as agent..	250.00	165	Central Pacific Railroad, freight..	2.01
155	W. C. Winlock, June, services	208.33	166	Chicago and Rock Island Railroad, freight22
156	Barber & Co., freight	5.09	167	Baltimore & Ohio Railroad, freight	.72
157	Oelrichs & Co., freight	4.43	168 do36
158	Adams Express Company, freight..	3.50	169	Union Pacific Railroad, freight....	1.21
159	Pay-roll, June 16-30, services	407.50			
160	Union Pacific Railroad, freight....	1.10		Total	14,999.35
161	Oelrichs & Co., freight	6.35			

UNITED STATES NATIONAL MUSEUM.

PRESEVATION OF COLLECTIONS.

Appropriation for the fiscal year ending June 30, 1889, for the preservation, exhibition, and increase of the collections from the surveying and exploring expeditions of the Government, and from other sources, including salaries or compensation of all necessary employes (sundry civil act, October 2, 1888) \$125,000.00

Expenditures during the fiscal year, 1888-'89.

Salaries or compensation.....	\$108,649.15
Supplies.....	4,485.29
Stationery.....	1,638.92
Specimens.....	4,623.82
Books.....	1,444.07
Travel.....	643.05
Freight and cartage.....	2,759.04

Total expenditure to December 1, 1889..... 124,243.34

Balance December 1, 1889, to meet outstanding liabilities..... 756.66

Analysis of salaries and compensation paid from the appropriation for "preservation of collections, 1888-'89." July 1, 1888, to June 30, 1889.

[All these persons were employed by the month or day, and some for part of the year only.]

Classification.	Salary.	Classification.	Salary.
DIRECTION.		CLERICAL STAFF—continued.	
Assistant secretary Smithsonian Institution, in charge U. S. National Museum, 3 months, at.....	\$300.00	One copyist.....	46.66
9 months, at.....	333.33	One copyist.....	45.00
SCIENTIFIC STAFF.		Five copyists.....	40.00
Three curators.....	200.00	One copyist.....	35.00
Two curators.....	175.00	Two copyists.....	30.00
One curator.....	166.66	PREPARATORS.	
Two curators.....	150.00	One artist.....	110.00
One acting curator.....	150.00	One photographer.....	158.33
One curator.....	125.00	One taxidermist.....	80.00
One curator.....	100.00	One taxidermist.....	70.00
Three assistant curators.....	133.33	One assistant taxidermist.....	60.00
One assistant curator.....	50.00	One assistant taxidermist.....	35.00
One assistant.....	115.00	One modeler.....	125.00
One assistant.....	106.00	One modeler.....	*4.00
One collector.....	100.00	One preparator.....	100.00
One aid.....	87.50	One preparator.....	80.00
Two aids.....	75.00	One preparator.....	75.00
One aid.....	60.00	One preparator.....	65.00
One aid.....	58.33	One preparator.....	60.00
Three aids.....	50.00	One preparator.....	50.00
One aid.....	40.00	BUILDINGS AND LABOR.	
CLERICAL STAFF.		One superintendent of buildings.....	137.50
One chief clerk.....	175.00	One assistant superintendent of buildings.....	85.06
One corresponding clerk.....	158.33	Seventeen watchmen.....	50.00
One registrar.....	158.33	Four skilled laborers.....	50.00
One disbursing clerk.....	100.00	One skilled laborer.....	*2.00
One draughtsman.....	83.33	One laborer.....	45.00
One assistant draughtsman.....	30.00	Seven laborers.....	40.00
One clerk.....	110.00	Eighteen laborers.....	*1.50
Two clerks.....	100.00	One laborer.....	25.00
One clerk.....	90.00	One laborer.....	*1.25
One clerk.....	87.50	One attendant.....	40.00
One clerk.....	80.00	Two attendants.....	35.00
One clerk.....	75.00	One attendant.....	30.00
Two clerks.....	60.00	Two cleaners.....	30.00
One clerk.....	58.33	One cleaner.....	*1.00
Four clerks.....	50.00	One messenger.....	45.00
One type-writer.....	45.00	One messenger.....	35.00
Two copyists.....	55.00	Three messengers.....	25.00
Four copyists.....	50.00	One messenger.....	20.00
Two copyists.....	48.33	One messenger.....	15.00
		Paid by day, job, or contract.....	1,957.40

*Per diem.

Detailed list of vouchers for expenditures for preservation of collections, 1888-'89.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
1	A. S. McClain, services	\$5.16	74	S. R. Koehler, services	\$180.00
2	Clifford Wright, services	15.00	75	N. D. C. Hodges, books	3.50
3	F. H. Burns, services	5.25	76	Garden & Forest Publishing Company, books	4.00
4	G. B. Goode, services	300.00	77	Bowers & Loy, books	30.70
5	Joseph Mace, freight	75.00	78	Leggatt Bros., books	2.00
6	John Durand, services	100.00	79	A. L. Shipman's Sons, stationery	8.40
7	S. R. Koehler, services	180.00	80	John Durand, services	100.00
8	L. M. Cornwall, supplies	58.53	81	John G. Mongel & Co., stationery	8.40
9	M. B. Pollock, services	19.35	82	Wm. Ballantyne & Son, stationery	65.35
10	Pay-roll for July, services	7,811.16	83	F. W. Clark, specimens	4.00
11	Geo. F. Pollock, services	3.87	84	Poole & Brooke, supplies	5.61
12	O. S. Florence, services	25.50	85	C. F. Hunt, specimens	5.00
13	Wm. Butterworth, services	30.65	86	L. M. Cornwall, supplies	65.88
14	Geo. K. Cherris, services	9.68	87	North Distillery Company, supplies	102.35
15	Great Falls Ice Company, supplies	59.36	88	R. F. Downing & Co., freight	20.81
16	Wm. Ballantyne & Son, books	7.20	89	Adams Express Company, freight	82.90
17	J. T. Varnell & Son, supplies	52.08	90	G. P. Merrill, travel	209.08
18	M. E. Mann, books	72.00	91	Samuel Bond, stationery	1.50
19	M. J. Geare, services	2.09	92	Jos. Mace, freight	75.00
20	National Press Intelligence Company, books	1.10	93	G. B. Goode, services	339.33
21	Thos. Rowland, specimens	7.10	94	J. H. Hickox, books	5.00
22	B. W. Mitchell, services	16.94	95	Pay-roll, October, '88, services	8,535.69
23	Henry A. Clarke & Son, stationery	.75	96	Henry Marshall, supplies	1.00
24	Emile Garet, services	10.00	97	National Press Intelligence Company, books	3.45
25	W. H. Lowdermilk & Co., books	14.00	98	S. R. Koehler, services	100.00
26	Jos. Mace, freight	75.00	99	United States Express Company, freight	19.20
27	Pay-roll for August, '88, services	8,415.81	100	United States Express Company, freight	19.65
28	G. B. Goode, services	300.00	101	Brentanos, books	1.50
29	U. S. Express Company, freight	0.00	102	Davies, Turner & Co., freight	22.42
30	Adams Express Company, freight	26.45	103	Clagatt Bros., books	12.25
31	Jas. Mouney, specimens	2.25	104	Great Falls Ice Company, supplies	46.56
32	Geo. W. Knox, freight	36.90	105	W. H. Lowdermilk & Co., books	3.00
33	Z. D. Gilman, supplies	14.73	106	Poole & Brooke, supplies	5.72
34	C. K. Worthen, specimens	11.50	107	Wm. Wesley & Son, books	35.15
35	S. R. Koehler, services	180.00	108	D. K. Vazhabedian, specimens	60.00
36	Clifford Wright, services	15.00	109	M. C. Flannery, freight	2.30
37	E. J. Lewis, supplies	2.00	110	Trübner & Co., books	4.43
38	Edw. Philpott, services	2.42	111	Wm. Wesley & Son, books	4.00
39	E. J. Pullman, supplies	18.30	112	H. Baumgarten, stationery	7.75
40	Chas. Baum, supplies	2.73	113	W. P. Hayden, specimens	10.00
41	Otis T. Mason, travel	27.03	114	Rider & Addison, stationery	14.00
42	Browning & Middleton, supplies	1.50	115	Pennsylvania Railroad Company, travel	22.00
43	J. Kannoosky & Co., specimens	6.98	116	W. H. Lowdermilk & Co., books	15.00
44	C. H. Pennypacker, specimens	14.50	117	Geo. W. Knox, freight	112.19
45	Jos. Ross, supplies	3.50	118	A. L. Shipman's Sons, stationery	12.00
46	W. H. Schieffelin & Co., supplies	3.30	119	Patrick & Carter, supplies	2.50
47	Ed. G. Rose, services	6.67	120	National Disinfectant and Manufacturing Company, supplies	14.00
48	W. H. Clagett, supplies	10.54	121	G. B. Goode, services	339.33
49	Lorraine Tracy, services	24.00	122	Jos. Mace, freight	75.00
50	Ella Olmstead, services	15.00	123	Pay-roll for Nov., 1888, services	8,989.12
51	Marie L. Crusor, services	15.00	124	John Durand, services	100.00
52	L. M. Cornwall, supplies	63.31	125	Mutual District Messenger Company, services	3.80
53	Stephenson's Express, freight	8.65	126	Ginn & Co., books	9.00
54	Olive R. Bendz, services	33.33	127	S. R. Koehler, services	100.00
55	John F. Paret, stationery	4.00	128	E. Morrison, stationery	77.61
56	Jos. Mace, freight	75.00	129	Edw. L. Wilson, books	2.50
57	G. B. Goode, services	300.00	130	Singleton & Fletcher, supplies	3.00
58	Pay-roll for September, services	8,114.65	131	J. H. Mills & Co., supplies	4.80
59	John Durand, services	100.00	132	Leggatt Bros., books	2.36
60	Fred A. Schmidt, services	40.00	133	Henry J. Green, supplies	45.25
61	Great Falls Ice Company, supplies	59.84	134	Arthur Stafford, stationery	11.30
62	John Boyle, supplies	9.80	135	Wm. Ballantyne & Son, stationery	125.25
63	Wyckoff, Seamans & Benedict, stationery	40.95	136	Z. D. Gilman, supplies	19.96
64	John B. Smith, travel	82.30	137	Z. D. Gilman, supplies	24.30
65	F. P. May & Co., supplies	8.50	138	Geo. Ryneal, jr., supplies	11.44
66	John Akhurst, supplies	6.25	139	Geo. Ryneal, jr., supplies	111.96
67	J. Wallace, specimens	24.00	140	J. S. Topham, supplies	6.25
68	Bangs & Co., specimens	5.50	141	Chas. Baum, supplies	1.28
69	Hensel, Bruckman & Lorbacker, freight	6.69	142	John C. Parker, stationery, 1.50; supplies, 20.00	21.50
70	S. E. Latham, services	9.68	143	R. Freidlander & Sohn, books	58.73
71	H. Baumgarten, stationery	14.55			
72	Adams Express Company, freight	22.10			
73	Geo. W. Knox, freight	30.51			

Detailed list of vouchers for expenditures for preservation of collections, 1888-'89—Cont'd.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
144	Henry Romeike, books.....	\$7. 75	213	Moss Engraving Company, speci-	\$2. 59
145	Western Union Telegraph Com-			mens.....	
	pany services.....	14. 72	214	Lillian T. Doane, services.....	2. 00
146	G. B. Goode, travel.....	22. 35	215	Atlas Steamship Company, freight	5. 00
147	Japanese Fan Company, specimens	1. 50	216	W. L. Dudley, supplies.....	2. 50
148	W. A. Stearns, freight.....	2. 93	217	W. Brenninger, supplies.....	3. 00
149	Gardner & Forest Publishing		218	Eagle Chemical Comp'y, supplies	12. 00
	Company, books.....	1. 30	219	David Bruce, specimens.....	50. 00
150	Loren W. Green, specimens.....	10. 00	220	D. B. Dearborn, freight.....	75. 48
151	H. M. Dexter & Co., services.....	14. 73	221	Thomas Wilson, supplies.....	18. 96
152	Pennsylvania Railroad Company,		222	J. G. and J. M. Waters, supplies.....	5. 75
	travel.....	13. 00	223	J. E. Watkins, specimens.....	3. 00
153	N. H. Perry, specimens.....	12. 00	224	H. M. Dexter & Co., services.....	16. 08
154	Francis Miller, supplies.....	5. 38	225	Great Falls Ice Company, supplies	82. 24
155	L. M. Cornwall, supplies.....	70. 02	226	W. T. Hornaday, travel.....	2. 30
156	Lorraine Tracy, services.....	13. 50	227	Joseph Mace, freight.....	75. 00
157	L. M. Cornwall, supplies.....	82. 65	228	W. Wesley & Son, books.....	41. 21
158	M. F. Talty, supplies.....	95. 00	229	W. Wesley & Son, books.....	14. 73
159	John Durand, services.....	100. 00	230	Mutual District Messenger Com-	
160	Chas. H. Joy, services.....	3. 60		pany, services.....	1. 00
161	Wyckoff, Seamans & Benedict,		231	Anthropological Society, books.....	3. 00
	stationery.....	46. 80	232	White Brothers, specimens.....	1. 00
162	W. E. Evans, services.....	32. 26	233	United States Express Company,	
163	Thomas Marron, services.....	1. 50		freight.....	27. 95
164	J. T. Varnell & Son, supplies.....	153. 84	234	S. A. Scudder, books.....	50. 00
165	Great Falls Ice Company, supplies.	41. 00	235	Henry Romeike, books.....	9. 60
166	Leslie A. Lee, specimens.....	16. 10	236	Daniel Shanahan, supplies.....	. 54
167	John C. Parker, stationery.....	4. 50	237	G. Brown Goode, services.....	333. 33
168	A. H. Young, supplies.....	4. 25	238	Pay-roll for January, services.....	8, 181. 75
169	S. F. Ware, supplies.....	7. 65	239	Adams Express Company, freight	12. 05
170	W. F. Hillebrand, specimens.....	50. 00	240	W. And. B. yd, book.....	20. 00
171	W. C. Willenbacher, books.....	18. 00	241	William C. Robinson & Son, sup-	
172	George Ryneal, jr., supplies.....	4. 50		plies.....	3. 25
173	J. Frank Eline, supplies.....	6. 00	242	Francis Miller, supplies.....	14. 65
174	Z. D. Gilman, supplies.....	11. 00	243	W. H. Clagett, supplies.....	10. 54
175	Leggatt Bros., books.....	4. 81	244	S. R. Koehler, services.....	100. 00
176	Mutual District Messenger Com-		245	John Durand, services.....	100. 00
	pany, services.....	1. 95	246	R. Hitchcock, services.....	58. 06
177	W. W. Davies, specimens.....	2. 50	247	United States Express Company,	
178	E. J. Pullman, supplies.....	5. 60		freight.....	21. 70
179	J. W. Boteler & Son, supplies.....	3. 50	248	Judd & Detweiler, supplies.....	10. 00
180	Photo-Engraving Company, sup-		249	E. G. Wheeler, supplies.....	18. 00
	plies.....	1. 50	250	Wyckoff, Seamans & Benedict, sta-	
181	W. H. Collins, specimens.....	9. 50		tionery.....	2. 50
182	O. T. Mason, travel.....	14. 50	251	Stephenson's Express, freight.....	11. 40
183	Joseph Mace, freight.....	75. 00	252	L. M. Cornwall, supplies.....	52. 74
184	G. B. Goode, services.....	333. 33	253	J. E. Lucas, services.....	36. 00
185	Pay-roll for December, 1888, serv-		254	A. E. Foote, specimens.....	46. 00
	ices.....	8, 189. 73	255	S. Raymond Roberts, books.....	30. 00
186	J. I. Walker's Sons, supplies.....	2. 40	256	F. W. Devoe & Co., stationery.....	17. 88
187	J. W. Howell, specimens.....	25. 00	257	Edw. L. Wilson, books.....	2. 50
188	S. R. Koehler, services.....	100. 00	258	Western Union Telegraph Com-	
189	S. R. Koehler (E. W. Jenkins),			pany, services.....	1. 74
	services.....	2. 25	259	Mutual District Messenger Com-	
190	Thomas Wilson (E. R. Reynolds),			pany, services.....	1. 65
	specimens.....	62. 50	260	Pitt & Scott's Foreign Express,	
191	John Durand, services.....	100. 00		freight.....	10. 75
192	J. G. & J. M. Waters, supplies.....	5. 75	261	Raoul Heilbronner, specimens.....	174. 76
193	G. W. Knox, freight.....	145. 82	262	George W. Knox, freight.....	22. 87
194	Foreign Express Company, freight	. 75	263	Great Falls Ice Company, sup-	
195	Mutual District Messenger Com-			plies.....	29. 60
	pany, services.....	4. 00	264	Ermanno Loescher, books.....	8. 40
196	Western Union Telegraph Com-		265	W. S. Yeates, books.....	1. 86
	pany, services.....	2. 73	266	I. F. Hill, freight.....	4. 80
197	Western Union Telegraph Com-		267	James M. Southwick, specimens.....	15. 39
	pany, services.....	3. 60	268	Snowflake Marble Company,	
198	H. L. Cranford, supplies.....	5. 00		specimens.....	5. 00
199	Adams Express Company, freight.	62. 80	269	Paul A. Garey & Co., supplies.....	48. 00
200	E. Morrison, stationery.....	66. 52	270	Northern Distilling Company,	
201	Seaton Perry, supplies.....	1. 75		supplies.....	109. 02
202	L. Schmid & Sons, supplies.....	29. 89	271	J. Karr, specimens.....	10. 00
203	L. D. Wilson, freight.....	2. 50	272	Evening Star Newspaper Com-	
204	L. Tracy, services.....	9. 00		pany, supplies.....	17. 22
205	M. Joyce, supplies.....	13. 50	273	Thomas Wilson, travel.....	83. 10
206	Thomas Lee, specimens.....	75. 00	274	Theod. Schuchardt, specimens.....	14. 45
207	L. M. Cornwall, supplies.....	73. 92	275	Church & Stephenson, supplies.....	7. 60
208	W. O. Atwater, services.....	15. 00	276	Jos. Mace, freight.....	75. 00
209	Mrs. E. S. Brinton, specimens.....	12. 00	277	G. Brown Goode, services.....	333. 33
210	Lansburgh & Bro., supplies.....	2. 62	278	Pay-roll for February, services.....	8, 287. 56
211	B. C. Towne, specimens.....	4. 00	279	J. T. Walker's Sons, supplies.....	2. 95
212	G. B. Grinnell, specimens.....	55. 30	280	J. C. Parker, stationery.....	105. 69

Detailed list of vouchers for expenditures for preservation of collections, 1888-'89—Cont.

No.	Items of expenditure.	Amount.	No.	Items of expenditures.	Amount.
281	H. Rosendale, supplies.....	\$3. 00	354	Western Union Telegraph Com- pany, services.....	\$5. 71
282	C. Fisher, supplies.....	11. 91	355	Leggett Bros., books.....	3. 70
283	H. Baumgarten, stationery.....	19. 00	356	L. McCornwall, supplies.....	53. 88
284	Adams Express Company, freight.....	12. 15	357	Robert Saunders, services.....	15. 00
285	L. Tracy, services.....	12. 10	358	J. W. Bronson, services.....	15. 00
286	F. A. Schmidt, stationery.....	7. 02	359	P. L. Jony, specimens.....	125. 00
287	G. W. Knox, freight.....	82. 63	360	Browning & Middleton, supplies.....	5. 20
288	Henry Romeike, services.....	7. 05	361	James H. McGill, supplies.....	1. 50
289	Western Union Telegraph Com- pany, services.....	. 70	362	L. Moxley, supplies.....	10. 60
290	Munn & Co., books.....	10. 50	363	W. F. Murphy's Sons, stationery.....	12. 50
291	A. E. Foote, books.....	5. 00	364	L. S. Foster, books.....	3. 00
292	A. T. Wayne, specimens.....	4. 25	365	Westermann & Co., books.....	. 71
293	S. R. Koehler, services.....	100. 00	366	G. L. English & Co., specimens.....	11. 00
294	A. L. Shipman's Sons, stationery.....	2. 70	367	Henry Romeike, books.....	13. 30
295	L. W. Morris & Son, freight.....	1. 86	368	M. Knoedler & Co, specimens.....	7. 30
296	M. L. Linell, services.....	50. 89	369	Moss Engraving Company, books.....	3. 00
297	United States Express Company, freight.....	214. 65	370	Robert Boyd, supplies.....	1. 00
298	R. Hitchcock, services.....	150. 00	371	Goltsborough & Co., specimens.....	18. 00
299	John Durand, services.....	100. 00	372	S. D. Peet, books.....	4. 00
300	First Japan Manufacturing and Trading Company, specimens.....	302. 80	373	S. F. Denton, services.....	1. 50
301	Z. D. Gilman, supplies.....	26. 30	374	J. E. Lucas, services.....	7. 00
302	Ed. Maybridge, books.....	241. 00	375	Great Falls Ice Company, sup- plies.....	30. 18
303	C. Becker, supplies.....	6. 00	376	A. E. Cooke, supplies.....	10. 00
304	G. Ryneal, jr., supplies.....	10. 97	377	B. Mooney, services.....	15. 00
305	E. L. Greene, books.....	2. 50	378	F. H. Knowlton, services.....	70. 00
306	Poole & Brooke, supplies.....	31. 36	379	George W. Knox, freight.....	21. 35
307	Great Falls Ice Company, sup- plies.....	26. 56	380	F. Koppel & Co., specimens.....	51. 00
308	N. P. Scudder, books.....	3. 75	381	F. B. Webster, specimens.....	. 75
309	J. F. Paret, stationery.....	2. 20	382	C. Schoenhof, supplies.....	4. 35
310	H. Hoffa, stationery.....	1. 25	383	Dennison Manufacturing Com- pany, stationery.....	74. 24
311	Pay-roll part of March, supplies.....	40. 50	384	John Durand, services.....	100. 00
312	L. M. Cornwall, supplies.....	42. 17	385	W. Ballantyne & Son, stationery.....	48. 73
313	Charles Becker, supplies.....	17. 79	386	W. H. Lowdermilk & Co., books.....	4. 50
314	F. P. Dewey, travel.....	40. 40	387	George Ryneal, jr., supplies.....	15. 25
315	F. W. Christern, books.....	28. 75	388	W. H. Butler, supplies.....	7. 60
316	C. H. Roberts, supplies.....	12. 50	389	Z. D. Gilman, supplies.....	16. 83
317	H. H. & C. S. Brimley, specimens.....	7. 10	390	Adams Express Company, freight.....	13. 95
318	W. F. Murphy's Sons, stationery.....	28. 00	391	Adams Express Company, freight.....	24. 55
319	Northern Distilling Company, supplies.....	103. 73	392	L. Schmid & Sons, supplies.....	15. 15
320	J. G. & J. M. Waters, supplies.....	4. 00	393	United States Express Company, freight.....	41. 50
321	Pay-roll for part of March ser- vices.....	58. 87	394	G. Kohn, specimens.....	3. 00
322	Sunday Herald, supplies.....	5. 52	395	Mutual District Messenger Com- pany, services.....	2. 00
323	Hardy du Dreneuf, specimens.....	20. 00	396	do.....	1. 30
324	H. A. Ward, specimens.....	23. 70	397	Brodix Publishing Company, books.....	2. 00
325	John B. Smith, specimens.....	500. 09	398	J. B. Smith, services.....	97. 78
326	G. W. Knox, freight.....	33. 00	399	M. B. Pollock, services.....	20. 00
327	C. W. Sisson, specimens.....	5. 00	400	Samuel Harrison, services.....	15. 00
328	F. A. Brockhaus, books.....	35. 40	401	H. M. Dexter & Co., services.....	17. 92
329	W. Engelmann, books.....	8. 23	402	H. C. Taylor, supplies.....	28. 92
330	W. Wesley & Son, books.....	13. 87	403	J. C. Parker, stationery.....	33. 00
331	Jos. Mace, freight.....	75. 00	404	F. A. Brockhaus, books.....	15. 25
332	Robert Saunders, services.....	15. 00	405	C. Wunderlich & Co., specimens.....	117. 00
333	J. W. Branson, services.....	15. 00	406	J. J. Desmond, services.....	29. 33
334	G. B. Goode, services.....	333. 33	407	F. Meder, specimens.....	5. 50
335	Pay-roll for March, services.....	8, 884. 58	408	G. B. Goode, services.....	333. 33
336	S. H. Bond, stationery.....	1. 00	409	Joseph Mace, freight.....	75. 00
337	Raston & Rupp, stationery.....	80. 23	410	Pay-roll for April, services.....	8, 838. 95
338	Pay-roll special, services.....	76. 50	411	S. R. Koehler, services.....	100. 00
339	C. D. Walcott, specimens.....	73. 50	412	F. W. True, travel.....	19. 30
340	S. R. Koehler, services.....	100. 00	413	Church & Stephenson, supplies.....	6. 00
341	E. N. Andrus, specimens.....	20. 00	414	Wesley & Son, specimens.....	126. 69
342	W. F. Hewett, supplies.....	18. 64	415	H. A. Clarke & Son, supplies.....	80. 00
343	Thomas Dowling, specimens.....	2. 00	416	William Taylor, specimens.....	11. 00
344	F. Miller, supplies.....	2. 80	417	The Capital, supplies.....	4. 37
345	Z. D. Gillman, supplies.....	11. 80	418	W. F. Hewett, supplies.....	31. 48
346	William Ballantyne & Son, sta- tionery.....	242. 31	419	E. Morrison, stationery.....	113. 54
347	Charles Willoughby, specimens.....	7. 12	420	L. Tracy, services.....	9. 00
348	J. T. Varnell & Son, supplies.....	101. 34	421	J. Benj. Clayton, services.....	20. 00
349	Mutual District Messenger Com- pany, services.....	1. 45	422	C. S. Kalb, services.....	8. 33
350	A. L. Shipman's Sons, stationery.....	9. 60	423	T. O. Weigel, books.....	38. 63
351	J. B. Clayton, services.....	10. 00	424	B. F. Stevens, books.....	21. 25
352	E. G. Wheeler, supplies.....	3. 00	425	E. Loescher, books.....	8. 40
353	George Ryneal, jr., supplies.....	6. 50	426	W. Wesley & Son, books.....	8. 37
			427	Taylor & Francis, books.....	2. 54
			428	Emil Soeding, books.....	2. 00

EXPENDITURES FOR INTERNATIONAL EXCHANGES, ETC. 9

Detailed list of vouchers for expenditures for preservation of collections, 1888-'89—Cont'd.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
429	W. Ballantyne & Son, books.....	\$9.54	506	T. M. Stoughton, specimens.....	\$150.04
430	Great Falls Ice Company, supplies.....	32.93	507	C. H. Hitchcock, travel.....	6.00
431	E. Steiger & Co., books.....	5.00	508	L. E. Ricksecker, specimens.....	7.40
432	J. Benisch, services.....	.25	509	Joseph Welch, specimens.....	35.00
433	Evening Star, books.....	1.58	510	L. M. Cornwall, supplies.....	56.00
434	S. Raymond Roberts, books.....	10.00	511	J. G. and J. M. Waters, supplies..	11.50
435	J. Durand, services.....	100.00	512	Mutual District Messenger Com- pany, services.....	1.40
436	Chas. H. Arnold, services.....	1.00	513	W. Ballantyne & Son, stationery..	16.93
437	L. M. Cornwall, supplies.....	53.23	514	L. Schmid & Sons, supplies.....	9.60
438	L. Amateis, specimens.....	40.00	515	Great Falls Ice Company, supplies	38.30
439	Ed. W. Ashford, services.....	20.52	516	Western Union Telegraph Com- pany, services.....	8.50
440	Joseph Mace, freight.....	75.00	517	J. F. Eline, supplies.....	4.00
441	G. Brown Goode, services.....	333.33	518	W. S. Thompson, supplies.....	6.25
442	Pay-roll for May, services.....	8,533.11	519	G. B. Goode, services.....	333.33
443	Edward Philpitt, services.....	16.13	520	John Durand, services.....	100.00
444	John Durand, services.....	100.00	521	S. R. Koehler, services.....	100.00
445	J. E. Giles, services.....	25.50	522	S. R. Koehler, specimens.....	1.00
446	B. & O. R. R., freight.....	1.47	523	W. H. Nalley, services.....	41.00
447	B. & O. R. R., freight.....	3.18	524	Joseph Mace, freight.....	75.00
448	S. F. Ware, supplies.....	24.87	525	George Ryneal, jr., supplies.....	20.25
449	W. E. Stockett & Co., supplies.....	2.75	526	H. Romeike, books.....	9.50
450	W. S. Thompson, supplies.....	4.50	527	H. Reid, specimens.....	3.00
451	E. J. Lewis, supplies.....	1.75	528	John Wilson & Son, supplies.....	4.00
452	T. W. Sweeney, travel.....	3.65	529	Pay-roll for June, 1889, services..	8,328.54
353	Walter Hough, travel.....	3.65	530	Baltimore and Ohio Railroad, freight.....	7.87
454	S. R. Koehler, services.....	100.00	531	do.....	.72
455	W. F. Hewett, supplies.....	33.68	532	Missouri Pacific Railroad, freight	3.29
456	J. H. McGill, supplies.....	3.50	533	Union Pacific Railroad, freight..	11.14
457	W. H. Clagett, supplies.....	10.54	534	do.....	1.10
458	J. C. Parker, stationery.....	31.11	535	Southern Pacific Railroad, freight	.92
459	E. Morrison, stationery.....	118.00	536	do.....	10.19
460	R. G. Campbell, supplies.....	5.10	537	J. C. Ergood & Co., supplies.....	9.70
461	C. Schneider, supplies.....	10.00	538	L. Moxley, supplies.....	12.60
462	C. H. Joy, supplies.....	1.25	539	Stephenson's Express, freight....	4.45
463	M. Lindsay, supplies.....	4.75	540	B. F. Jackson, specimens.....	2.50
464	Adams Express Company, freight..	35.45	541	G. Kohn, specimens.....	2.00
465	T. H. McAllister, specimens.....	13.50	542	J. Bittikofer, specimens.....	30.00
466	H. Benton, specimens.....	25.00	543	C. F. Adams, specimens.....	50.00
467	E. S. Foster, books.....	2.35	544	W. F. Hewett, supplies.....	14.14
468	E. E. Thompson, specimens.....	30.00	545	G. W. Knox, freight.....	28.13
469	W. F. Murphy's Sons, stationery..	28.80	546	Pennsylvania Railroad Company, freight.....	27.50
470	A. S. Clark, books.....	.35	547	L. Amateis, specimens.....	17.00
471	John Russell & Son, specimens.....	11.50	548	L. M. Wynne, services.....	18.87
472	Geo. W. Knox, freight.....	77.99	549	Adams Express Company, freight	38.30
473	J. L. Potter, specimens.....	25.00	550	Western Union Telegraph Com- pany, services.....	2.38
474	J. B. Lippincott Company, books..	5.35	551	F. Meder, books.....	9.00
475	C. S. Bement, specimens.....	100.00	552	United States Express Company, freight.....	108.20
476	G. L. English & Co., specimens..	28.50	553	Woodward & Lothrop, supplies..	42.79
477	J. Elias & Son, specimens.....	1.25	554	M. J. Geare, services.....	38.86
478	W. W. Adams, specimens.....	15.00	555	L. Tracy, services.....	6.00
479	W. H. Butler, supplies.....	.30	556	Washington Post, supplies.....	10.50
480	W. Ballantyne & Son, stationery..	36.20	557	W. S. Yeates, travel.....	58.44
481	W. U. Telegraph Company, serv- ices.....	2.70	558	N. F. Hines, supplies.....	12.00
482	J. H. Mills & Co., supplies.....	80.90	559	Church & Stephenson, supplies..	6.00
483	U. S. Express Company, freight..	19.15	560	Mrs. E. A. Bruff, specimens.....	129.00
484	U. S. Express Company, freight..	68.00	561	A. E. Cooke, supplies.....	8.00
485	Lansburg & Bro., supplies.....	4.25	562	J. J. Decker, stationery.....	2.00
486	Dennison Manufacturing Com- pany, supplies.....	140.63	563	Moss Engraving Company, sup- plies.....	77.00
487	H. Wunderlich & Co., specimens..	40.00	564	Mutual District Messenger Com- pany, services.....	1.45
488	E. E. Thompson, specimens.....	10.00	565	Library Bureau, stationery.....	.60
489	George Ryneal, jr., supplies.....	7.14	566	F. W. Christern, books.....	1.35
490	E. Morrison, stationery.....	5.00	567	E. D. Cope, specimens.....	11.00
491	Mutual District Messenger Com- pany services.....	.40	568	M. A. Tappan, supplies.....	4.20
492	Henry Romeyn, specimens.....	30.00	569	W. J. Topley, specimens.....	3.75
493	C. H. Worthen, specimens.....	22.75	570	L. M. Cornwall, supplies.....	49.75
494	Brentanos', books.....	10.60	571	Brentano, books.....	6.30
495	G. Kohn, specimens.....	5.00	572	W. Nailor, freight.....	28.50
496	L. Amateis, specimens.....	50.00	573	Bonfils & Co., specimens.....	10.00
497	L. Tracy, services.....	6.00	574	J. J. Desmond, travel.....	3.50
498	C. C. Carroll, supplies.....	111.00	575	H. Romeyn, specimens.....	10.00
499	E. J. Pullman, supplies.....	260.17	576	W. Wesley & Son, books.....	7.13
500	Wyckoff, Seamans & Benedict, stationery.....	29.40	577	J. A. & C. Churchill, specimens..	11.92
501	Robert Boyd, supplies.....	1.00	578	A. Boncard, specimens.....	62.80
502	G. E. Kennedy & Son, supplies..	.50			
503	M. A. Tappan, supplies.....	102.00			
504	O. T. Mason, travel.....	31.75			
505	Easton & Rupp, stationery.....	4.74			

10 EXPENDITURES FOR INTERNATIONAL EXCHANGES, ETC.

Detailed list of vouchers for expenditures for preservation of collections for 1888-'89—Cont

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
579	Rob. Kirmes, specimens	\$70.04	625	Mrs. E. A. Bruff, specimens	\$50.00
580	Paul Klincksleck, books	4.54	626	C. C. Carroll, supplies	57.00
581	Robert Boyd, supplies	1.00	627	S. E. Cassino, books	2.50
582	J. H. Mills & Co., supplies	8.70	628	Washington Critic Company, supplies	10.40
583	E. J. Pullman, supplies	21.64	629	J. C. Parker, stationery	14.86
584	Easton & Rupp, stationery	32.35	630	Wood & Forsyth, specimens	1.50
585	F. A. Schmidt, stationery	3.15	631	Photo-Engraving Company, supplies	61.00
586	G. C. McLean, travel	3.70	632	Moss Engraving Company, stationery	1.00
587	L. Schmid & Sons, supplies	7.89	633	Evening Star Company, supplies	12.50
588	Great Falls Ice Company, supplies	42.72	634	J. G. & J. M. Waters, supplies	4.00
589	Wm. Ballantyne & Son, stationery	1.23	635	J. B. Kendall, supplies	1.50
590	Z. D. Gilman, supplies	48.51	636	M. Joyce, supplies	12.00
591	Adams Express Company, freight	22.90	637	H. Harkness, supplies	.70
592	Geo. L. English & Co., specimens	74.10	638	Chapman & Taylor, stationery	.10
593	Brentano, stationery	.90	639	A. C. Bancroft, freight	10.63
594	Charles Becker, supplies	13.88	640	E. Godey, supplies	.90
595	George W. Knox, freight	27.00	641	Alaska Commercial Company, supplies	100.08
596	W. F. Hewett, supplies	30.12	642	Alaska Commercial Company, specimens	30.50
597	H. M. Dexter & Co., services	18.89	643	S. F. Peckham, specimens	23.03
598	E. Morrison, stationery	1.30	644	J. T. Durney, specimens	2.35
599	J. W. Beath, specimens	40.75	645	E. Rey, specimens	15.68
600	F. A. Schneider, supplies	4.75	646	W. Wesley & Son, specimens	75.83
601	H. Baumgarten, stationery	1.00	647	S. R. Sturdevant, specimens	12.00
602	W. Englemann, books	1.42	648	Southern Pacific Railroad, freight	34.50
603	Dulan & Co., books	4.24	649	do	2.12
604	Erdman & Schaus, specimens	2.41	650	do	2.12
605	Thomas Laurie, specimens	5.82	651	Baltimore and Ohio Railroad, freight	2.15
606	Rollin & Fenardent, books	5.04	652	do	.72
607	R. Friedlander & Sohn, books	2.54	653	Chicago, Rock Island & Pacific Railroad, freight	.91
608	W. Wesley & Son, books	23.30	654	do	1.78
609	Edw. Gerrard, specimens	152.21	655	W. H. Lowdermilk & Co., books	9.05
610	C. Fischer, supplies	2.65	656	Leggat Brothers, books	5.00
611	S. F. Ware, supplies	16.00	657	A. S. Clark, books	2.65
612	M. Lindsay, supplies	1.25	658	P. L. Jouy, specimens	349.15
613	United States Express Company, freight	9.55	659	Ashton Todd, books	3.30
614	J. F. Eline, supplies	1.50	660	R. Hitchcock, specimens	200.00
615	W. H. Harrover, supplies	1.15	661	Emile Deyrolle, supplies	13.91
616	Church & Stephenson, supplies	2.00	662	George Bird Grinnell, specimens	65.00
617	Western Union Telegraph Company, services	2.74	663	Emile Deyrolle, specimens	169.29
618	William Niven, specimens	38.45	664	William Wesley & Son, books	259.66
619	O. T. Barron, specimens	5.00			
620	George Ryneal, jr., supplies	.70			
621	Shepherd & Hurley, services	4.50			
622	Wyckoff, Seamans & Benedict, supplies	2.40			
623	E. Koch, books	10.00			
624	F. C. Brown, services	60.00			
				Total	124,243.34

FURNITURE AND FIXTURES.

Appropriation by Congress for the fiscal year ending June 30, 1889, "for cases, furniture, fixtures, and appliances required for the exhibition and safe keeping of the collections of the National Museum, including salaries or compensation of all necessary employes" (sundry civil act, October 2, 1888) \$40,000.00

Expenditures during the fiscal year 1888-'89.

Salaries or compensation	17,664.30
Exhibition cases	8,484.65
Designs and drawings for cases	235.00
Drawers, trays, boxes	1,518.33
Frames, stands, miscellaneous wood-work	1,966.92
Glass	989.19
Hardware and tools	1,517.67
Cloth, plush, cotton (lining for cases, etc.)	167.65
Glass jars	60.20
Chemicals, photo supplies and instruments	615.21
Lumber	2,153.67
Paints, oil, varnish, brushes	865.86
Office furniture	395.05
Chairs (for hall)	154.50
Metal work (iron, brass, tin, etc.)	1,651.08
Slate, brick, stone, plaster	543.61
Rubber goods, hose, etc.	421.88
Fire-proof safe for disbursing clerk	412.12
Traveling expenses	21.47
Total expenditure to December 1, 1889	39,838.36
Balance December 1, 1889, to meet outstanding liabilities	161.64

Analysis of salaries and compensation paid from the appropriation for furniture and fixtures, 1888-'89.

[All of these persons were employed by the month or day, and some of them for part of the year only.]

One engineer of property, per month	\$150.00	Two carpenters, per diem	\$2.00
One clerk, per month	58.33	One painter, per diem	2.50
One copyist, per month	58.33	One painter, per month	50.00
One copyist, per month	55.00	Two painters, per diem	2.00
One copyist, per month	40.00	Two laborers, per month	50.00
One copyist, per month	30.00	One laborer, per month	40.00
One cabinet-maker, per diem	3.00	Six laborers, per diem	1.50
One carpenter, foreman, per diem	3.50	One cleaner, per month	30.00
Six carpenters, per diem	3.00		

Detailed list of vouchers for expenditures for furniture and fixtures, 1888-'89.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
1	Pay-roll for July, 1888, services	\$1,130.03	72	W. E. Gavitt, brackets	29.50
2	C. H. Darcy, services	42.00	73	E. E. Jackson & Co., walnut rods	53.50
3	J. W. Duval, services	9.00	74	Daniel Shanahan, paints	5.95
4	Church & Stephenson, lumber	185.93	75	Franklin & Co., lens	2.50
5	Pay-roll for August, 1888, services	1,499.00	76	Pay-roll for January, services	1,516.60
6	R. L. Reed, services	49.00	77	F. A. Schneider, hardware	10.88
7	R. W. Ryan, services	60.00	78	DeWitt Wire Cloth Company, brass work	32.00
8	Melville Lindsay, rubber stopples	23.04	79	J. W. Barker, copper tanks	62.50
9	Excelsior Varnish Works, varnish	3.00	80	Francis Miller, paints	14.75
10	W. J. Walker, services	16.00	81	E. E. Jackson & Co., blocks and pedestals	67.10
11	Pay-roll for September, 1888, services	1,526.50	82	Smith & Wardwell, mirror	1.89
12	F. P. May & Co., hardware	11.96	83	George A. Mills, trays	128.10
13	D. Ballauf, wooden cylinders	5.00	84	T. Somerville & Sons, iron work	3.46
14	Church & Stephenson, lumber	156.84	85	Herring & Co., fire-proof safe	412.12
15	G. B. Clark & Son, slate	22.75	86	William Fisher, brass work	64.33
16	E. G. Wheeler, case	10.00	87	James Hughes, plastering	59.00
17	Fritz Noebe, services	12.00	88	R. McCormick, services	15.00
18	L. R. Trombly, glass	15.00	89	Wyckoff, Seamans & Benedict type-writer	85.00
19	C. J. Fanning, slate-roofing armory	112.00	90	L. H. Schneider's Son, hardware	37.30
20	W. H. Hoeke, plush	3.00	91	F. W. DeVoe & Co., paints	118.80
21	B. H. Shoemaker, plate glass	26.50	92	Edw. Burroughs, services	42.00
22	Pay-roll for October, services	1,830.66	93	Fritz Noebe, services	42.00
23	Julius Lansburgh, chairs	4.50	94	Charles Borgmann, services	9.00
24	F. A. Belt, posts	2.50	95	L. H. Hopkins, pins	6.75
25	W. H. Douglass, hinges	209.88	96	Charles Woodington, label frames	50.00
26	W. B. Williams, folding chairs	150.00	97	Curry & Burchette, wall case	335.00
27	F. A. Schneider, hardware, glue, etc.	34.50	98	Church & Stephenson, lumber	270.10
28	Patrick & Carter, repairing engine	3.75	99	William Busching, services	42.00
29	Wood & Forsyth, label frames	9.00	100	Fritz Noebe, services	9.00
30	Pay-roll for November, services	1,362.66	101	V. E. Burdick, ladder	15.00
31	W. Bruce Gray, drawings for cases	170.00	102	Pay-roll for February, services	1,514.45
32	John C. Parker, letter-press	8.50	103	F. P. May & Co., hardware	85.53
33	John A. Baker, crank-wheel	3.50	104	George N. Garrett, hardware	15.00
34	Woodward & Lothrop, plush	17.00	105	M. Lindsay, hose	177.98
35	George Ryneal, jr., putty	1.90	106	Albert Martin, services	27.00
36	E. E. Jackson & Co., stands	50.00	107	George A. Mills, folding screens	68.75
37	W. E. Gavitt, racks	19.20	108	Smith & Wardwell, mirror	1.89
38	Eimer & Amend, rubber stopples	207.60	109	Excelsior Varnish Works, paints	47.00
39	George P. Clark, rubber truck-wheel bands	10.66	110	F. W. DeVoe & Co., paints	14.00
40	Hayward & Hutchinson, fire-set	10.50	111	W. E. Gavitt, racks	38.40
41	E. F. Brooks, lamp	11.00	112	L. Schmid & Sons, wire supports	17.50
42	Church & Stephenson, lumber	371.39	113	William Busching, services	9.00
43	H. Rosendale, hammers	4.50	114	Church & Stephenson, lumber	270.55
44	W. B. Moses & Son, desk	33.00	115	C. Schneider, locks	45.00
45	F. P. May & Co., hardware	54.61	116	J. E. Watkins, travel	6.77
46	Excelsior Varnish Works, hard-oil finish	11.50	117	Z. D. Gilman, paint	49.15
47	T. H. McAllister, stereopticon	225.00	118	George Ryneal, jr., paints	40.50
48	F. V. DeVoe & Co.	76.80	119	W. B. Moses & Son, desk	36.00
49	G. Ryneal, jr., glue, white lead, etc.	26.20	120	F. P. May & Co., hardware	8.71
50	Ross & Co., lens	268.61	121	F. A. Schneider, hardware	45.22
51	Thomas Wilson, desk, case, and chair	45.00	122	N. V. Randolph & Co., trays	518.12
52	Thonet Bros., stand legs	86.35	123	Charles Woodington, case	75.00
53	F. Miller, turpentine	11.75	124	Charles Becker, paints	20.71
54	F. A. Schmidt, instruments	3.20	125	J. Lansburgh, desk, mats, etc	50.38
55	H. J. Brown, brass tags	125.00	126	A. W. Martin, services	30.00
56	Pay-roll for December, 1888, services	1,316.08	127	Barber & Co., hardware	2.81
57	Charles Woodington, pedestal	25.00	128	T. Somerville & Son, brass-work	4.04
58	John Schmitt, insect boxes	110.00	129	Pennsylvania Railroad Company, travel	2.00
59	C. A. Schneider's Sons, iron beams	422.64	130	J. T. Armstrong & Co., iron-work	77.95
60	Church & Stephenson, lumber	56.45	131	H. P. Gilbert, paints	86.62
61	Robert Boyd, iron work	33.33	132	Edward Burroughs, services	42.00
62	T. H. McAllister, cylinders, signal-bells, etc.	69.92	133	Edward Burroughs, services	33.00
63	W. H. Butler, paints	55.35	134	Pay-roll for March, services	1,599.58
64	Excelsior Varnish Works, paints	3.00	135	F. Peterson, mat	4.00
65	J. Carbut, negative films	13.68	136	Curry & Burchette, catalogue cases	234.00
66	J. M. Lloyd, brick work	201.36	137	W. B. Williams, mat and chairs	35.00
67	Eimer & Amend, chemicals	14.11	138	L. H. Schneider's Son, hardware	163.17
68	Lansburgh & Bro., velvet	57.88	139	Jacob Naylor, iron-work	109.46
69	Whithall, Tatum & Co., glass bottles	17.70	140	Cincinnati Corrugating Company, iron	3.00
70	Melville Lindsay, rubber packing	2.60	141	E. G. Wheeler, lead	1.00
71	George P. Clark, casters	5.60	142	George Ryneal, jr., paints	37.75
			143	E. E. Jackson & Co., frames and blocks	45.00
			144	E. E. Jackson & Co., blocks	6.00

EXPENDITURES FOR INTERNATIONAL EXCHANGES, ETC. 13

Detailed list of vouchers for expenditures for furniture and fixtures, 1888-89.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
145	Wood Brothers, drawers.....	\$18.02	196	E. E. Jackson & Co., mahogany	
146	F. W. Devoe & Co., paints.....	6.75	197	cases.....	\$403.75
147	Robert Boyd, iron and tin.....	18.85	198	Church & Stephenson, lumber..	220.53
148	H. Hollander, spittoons.....	3.19		G. A. Mills, repairs to irons and	
149	F. P. May & Co., hardware.....	128.30	199	cases.....	20.60
150	G. A. Mills, mahogany tables.....	1,250.00	200	W. H. Douglas, brass-work.....	8.70
151	Wood Brothers, drawers.....	154.50	201	George Ryneal, jr., white lead...	20.25
152	F. P. May & Co., hardware.....	25.16	202	Pay-roll for June, 1889, services..	1,351.33
153	B. H. Shoemaker, plate-glass.....	172.72	203	M. G. Copeland, awnings.....	24.00
154	J. W. Barker, copper tanks.....	87.50	204	James Hughes, plastering.....	125.00
155	L. H. Schneider's Son, hardware..	12.17		Chester Steel Casting Company,	
156	Wm. H. Butler, oils and brushes..	48.25	205	steel.....	100.36
157	N. V. Randolph & Co., paper trays	75.81	206	F. H. Ganter, metal frame.....	20.00
158	Baltimore and Potomac Railroad		207	L. H. Schneider's Son, hardware..	140.95
	Company, travel.....	7.25		Woodward & Lothrop, cloth,	
	Pay-roll for April, 1889, services..	1,231.08	208	sheeting, etc.....	69.11
160	Church & Stephenson, lumber.....	333.94	209	Franklin & Co., engravers' loops	2.50
161	Curry & Burchette, mahogany		210	H. Rosendale & Co., tools.....	6.75
	columns.....	959.40	211	F. W. Pilling, cages.....	180.80
162	D. Shanahan, brushes.....	17.51	212	H. Hoffa, stand.....	2.00
163	G. A. Mills, mahogany tables.....	1,250.00	213	F. A. Belt, walnut.....	48.75
164	Wood Brothers, unit drawers.....	429.55	214	George W. Dant, brick-work.....	23.50
165	Holbrook Brothers, plate glass....	353.09	215	The F. F. Adams Company, traps..	9.00
166	Geo. A. Mills, mahogany cases..	1,200.00	216	W. E. Gavitt, brackets.....	306.63
167	J. B. Hammond, unit boxes.....	81.00	217	L. Schmid & Sons, wire frames...	13.00
168	Pay-roll for May, 1889, services..	1,304.33	218	Church & Stephenson, lumber..	138.00
169	Church & Stephenson, lumber.....	92.10	219	Robert Boyd, metal work.....	118.42
170	G. F. Carter & Co., hardware.....	12.55	220	E. J. Pullman, hawk-eye camera..	25.00
171	L. H. Schneider, hardware.....	32.03	221	L. H. Schneider's Son, hardware..	28.52
172	F. P. May & Co., hardware.....	12.50	222	W. Bruce Gray, drawings.....	65.00
173	T. Somerville & Sons, brass.....	20.81	223	Charles Becker, paint.....	4.25
174	S. Corbett, tin storage cases.....	72.50		M. W. Beveridge, pitchers, dust-	
175	L. H. Schneider's Son, hardware..	50.93	224	ers, etc.....	13.73
176	John Schmitt, insect cabinets.....	250.00	225	Barber & Ross, wire and tacks...	7.70
177	Wood Bros., book-cases.....	112.50	226	Wood Bros., pine drawers.....	273.00
178	M. W. Beveridge, brushes, buck-		227	George White & Sons, machinist	10.00
	ets, etc.....	116.62		F. P. May & Co., hardware and	
179	Lansburgh & Bro., sheeting, etc..	20.66	228	metal.....	55.74
180	William H. Butler, glazier's di-		229	George Watts, dusts.....	.75
	amond and turpentine.....	23.50		Thomas Somerville & Sons, brass-	
181	E. G. Wheeler, lead.....	4.00	230	work.....	4.10
182	G. A. Mills, mahogany table cases,	84.00	231	Belt & Dyer, walnut bird-stands.	34.10
183	S. Bache & Co., plate glass.....	247.50	232	Wood Bros., pine drawers.....	140.30
184	E. J. Pullman, photo. outfit.....	48.98		E. E. Jackson & Co., pine storage	
185	Robert Boyd, hardware.....	3.25	233	boxes.....	31.00
186	L. Eisinger, painting.....	4.00	234	E. G. Wheeler, old lead.....	2.50
187	Barber & Ross, tools.....	1.95	235	L. H. Schneider's son, hardware..	1.55
188	Yale and Towne Manufacturing		236	do.....	1.65
	Company, locks.....	8.05	237	E. Watkins, travel.....	5.45
189	E. E. Jackson & Co., mahogany		238	F. P. May & Co., hardware.....	2.00
	case and pine case.....	156.85	239	Wood Bros., trays and drawers...	205.00
190	B. H. Shoemaker, crystal and		240	W. Fischer, book-fasteners.....	14.48
	plate glass.....	157.10	241	J. M. Queen & Co., glass vials...	42.50
191	Brook Bros., tin case.....	9.55	242	E. E. Jackson & Co., cases.....	345.50
192	J. Lansburgh, walnut desk.....	35.00		E. E. Jackson & Co., case.....	45.00
193	T. H. McAllister, photo. supplies..	13.13			
194	E. Miller, crystal glass.....	13.50		Total.....	39,838.36
195	E. E. Jackson & Co., mahogany				
	cases.....	2,360.00			

14 EXPENDITURES FOR INTERNATIONAL EXCHANGES, ETC.

HEATING, LIGHTING, ETC.

Appropriation by Congress for the fiscal year ending June 30, 1889, "for expense of heating, lighting, and electrical and telephonic service for the National Museum." (Sundry civil act, October 2, 1888).....	\$12,000.00
And, "for expenses of heating the U. S. National Museum for the fiscal year ending June 30, 1889." (Deficiency act, March 2, 1889.)	1,000.00
Total appropriated.....	13,000.00

Expenditures during the fiscal year 1888-'89.

Salaries and compensation	\$5,435.00
Coal and wood.....	4,188.43
Gas	1,188.37
Telephones.....	800.15
Electric work.....	58.24
Rental of call-boxes	120.00
Heating repairs.....	638.81
Total expenditure to December 1, 1889	12,429.01
Balance December 1, 1889.....	570.99

(This balance includes a liability of \$567 for the maintenance and care of the electrical plant during the year, which has been paid since December 1.)

Analysis of salaries and compensation paid from the appropriation for heating, lighting, etc., 1888-'89.

One engineer, per month.....	\$120.00
One chief fireman and machinist, per month.....	65.00
Five firemen, per month	50.00
One telephone clerk, per month	55.00
One telegraph clerk, per month	40.00

NOTE.—The boiler rooms are three in number; two of these are in the Smithsonian building. One heats the exhibition halls, and is attended by one fireman, who is aided by one night watchman; that under the east end warms the offices and storage rooms, and is smaller. It is under the charge of a fireman, aided by a watchman.

Under the southwest corner of the museum is the principal plant, attended by four firemen in severe weather, although not more than two are constantly engaged in active service as firemen. One of the firemen is a blacksmith, one a plumber and gas-fitter, a third is a locksmith, and each of these men does mechanical work in addition to his work as fireman.

There is also a hot-air furnace in the laboratory building, for the convenience of the preparators and taxidermists, constantly employed there; and up to July 1, 1889, a portion of the coal burned is chargeable to the armory building, until then largely occupied by Museum workmen, but no longer entirely under the charge of the institution.

EXPENDITURES FOR INTERNATIONAL EXCHANGES, ETC. 15

Detailed list of vouchers for expenditures for heating and lighting, 1888-'89.

No.	Items of expenditure.	Amount.	No.	Items of expenditure.	Amount.
1	Pay-roll for July, 1888, salaries.....	\$530.00	38	C. K. Ditto, salaries	\$15.00
2	Gas Company, gas	65.51	39	Pay-roll for March, salaries	425.00
3	Pay-roll for August, 1888, salaries.....	530.00	40	Wm. E. Hodge, coal	24.85
4	Gas Company, gas	70.64	41	Royce & Marean, electric work	7.24
5	Pay-roll for September, salaries.....	465.00	42	Mutual District Messenger Com- pany, box rent	10.00
6	B. Brown, telephones	6.00	43	Gas Company, gas	109.13
7	Wm. E. Hodge, coal	2,930.15	44	A. H. Young, heating repairs	1.00
8	Gas Company, gas	80.88	45	Kennedy Bros., wood	13.00
9	T. Somerville & Sons, heating re- pairs	4.95	46	Samuel Emery, coal	2.00
10	W. C. Robinson & Son, oil	3.23	47	M. E. Pierce, telephones.....	4.00
11	A. H. Young, heating repairs	4.00	48	Chesapeake and Potomac Tele- phone Company, telephones.....	207.70
12	Pay-roll for October, salaries.....	465.00	49	Mutual District Messenger Com- pany, box rent	10.00
13	Chesapeake and Potomac Telephone Company, telephones	178.86	50	Mutual District Messenger Com- pany, box rent	10.00
14	Gas Company, gas	93.64	51	Pay-roll for April, salaries	425.00
15	Pay-roll for November, salaries.....	465.00	52	Gas Company, gas	102.26
16	Mutual District Messenger Com- pany, box rent	20.00	53	Wm. E. Hodge, coal	998.35
17	W. E. Hodge, coal	51.39	54	A. B. Smith, wood	6.20
18	A. B. Smith, wood	12.00	55	Pay-roll for May, 1889, salaries	425.00
19	Royce & Marean, electric work	40.00	56	T. Somerville & Sons, heating re- pairs85
20	Mutual District Messenger Com- pany, box rent	10.00	57	Gas Company, gas	79.14
21	Gas Company, gas	107.88	58	Mutual District Messenger Com- pany, box rent	10.00
22	Pay-roll for December, salaries.....	465.00	59	John K. Ward, heating repairs	153.05
23	Mutual District Messenger Com- pany, box rent	10.00	60	Mutual District Messenger Com- pany, box rent	10.00
24	Gas Light Company, gas	123.88	61	F. Miller, heating repairs	1.25
25	Mutual District Messenger Com- pany, box rent	10.00	62	W. W. Tupper & Co., heating repairs	200.00
26	Pay-roll for January, salaries.....	425.00	63	Pay-roll for June, 1889, salaries	375.00
27	T. Somerville & Sons, heating re- pairs	20.87	64	J. C. Ergood & Co., oil.....	5.04
28	Arthur B. Smith, wood	40.00	65	Gas Company, gas	77.26
29	Gas Light Company, gas	145.89	66	Mutual District Messenger Com- pany, box rent	10.00
30	Chesapeake and Potomac Telephone Company, telephones	201.60	67	Chesapeake and Potomac Tele- phone Company, telephones.....	200.00
31	Mutual District Messenger Com- pany, box rent	10.00	68	Browning & Middleton, candles.....	1.10
32	W. C. Lewis & Co., heating repairs	22.75	69	Royce & Marean, electric bell, etc.	11.00
33	W. E. Hodge, coal	110.49	70	T. Somerville & Sons, heating re- pairs	19.61
34	Pay-roll for February, salaries.....	425.00	71	Jno. K. Ward, heating repairs	183.33
35	Gas Light Company, gas	132.26	72	E. F. Brooks, glass globes, etc	11.00
36	M. E. Pierce, telephones	2.00			
37	T. Somerville & Sons, heating re- pairs	6.76		Total	12,429.01

NORTH AMERICAN ETHNOLOGY.

Appropriation by Congress, for the fiscal year ending June 30, 1889, for the purpose of continuing ethnological researches among the American Indians, under the direction of the Secretary of the Smithsonian Institution, including salaries or compensation of all necessary employes (sundry civil act, October 2, 1888) \$40,000.00

Expenditures during the fiscal year 1888-'89.

Salaries or compensation	29,546.20
Traveling expenses	3,243.45
Transportation of property	128.05
Field supplies	47.00
Instruments	16.00
Laboratory material	95.60
Photographic material	44.20
Books for library	202.39
Stationery and drawing material	59.36
Illustrations for report	114.00
Office furniture	92.50
Office supplies and repairs	218.75
Telegrams	4.17
Specimens	500.00
Total expenditure	34,311.67
Bonded railroad accounts, settled by Treasury Department	61.19
Total expenditure	34,372.86
Balance July 1, 1889, to meet outstanding liabilities	5,627.14

Analysis of salaries and compensation paid from the appropriation for North American Ethnology, 1888-'89.

	Salary,
One ethnologist, per month	\$250.00
Two ethnologists, per month	200.00
Two ethnologists, per month	150.00
One ethnologist (for 7 months), per month	150.00
One ethnologist (for 3 months), per month	125.00
Four ethnologists, per month	100.00
One assistant ethnologist (10 months), per month	100.00
One assistant ethnologist (6 months), per month	100.00
One assistant ethnologist (2 months), per month	125.00
One assistant ethnologist (6 months), per month	125.00
One assistant ethnologist, per month	83.33
Two assistant ethnologists, per month	60.00
Two copyists, per month	50.00
One modeller, per month	50.00
One messenger, per month	50.00
Paid by day, job, or contract	4,488.68

EXPENDITURES FOR INTERNATIONAL EXCHANGES, ETC. 17

DETAILED LIST OF VOUCHERS FOR EXPENDITURES FOR NORTH AMERICAN ETHNOLOGY, 1888-'89.

Disbursements made by John D. McChesney, disbursing agent, Bureau of Ethnology, during the first quarter of 1888-'89.

No.	To whom paid.	For what paid.	Amount.
1	Z. D. Gilman	Supplies for modeling purposes	\$2.25
2	Mary Irvin Wright	Original drawings	25.60
3	Baltimore and Potomac Railroad Company	Transportation of assistants	11.00
4	J. C. Parker	Office furniture	5.50
5	A. S. Witherbee & Co.	Publications	9.10
6	Charles S. Cudlip	Photographic supplies	10.00
7	George Ryneal, jr.	Artists supplies	4.03
8	E. Morrison	Field supplies	.65
9	Pennsylvania Railroad Company	Transportation of assistants	22.10
10	Baltimore and Ohio Railroad Company	Freight	.84
11	Atchison, Topeka and Santa Fé Railroad	do	.35
12	do	do	.75
13	Pay-roll of employes	Services, July, 1888	1,438.33
14	do	do	69.35
15	Cyrus Thomas	do	200.00
16	V. L. Thomas	do	50.00
17	H. L. Reynolds	do	100.00
18	James D. Middleton	do	100.00
19	Gerard Fowke	do	100.00
20	James Mooney	do	100.00
21	A. McChesney	do	25.00
22	E. E. Jackson & Co.	Supplies for modeling purposes	28.58
23	New York, Lake Erie and Western Railroad	Transportation of assistants	12.45
24	W. J. Hoffman	Services, July, 1888	100.00
25	do	Traveling expenses	400.56
26	Adams Express Company	Freight charges	3.75
27	Pay-roll of employes	Services, August, 1888	1,488.33
28	James D. Middleton	do	125.00
29	W. J. Hoffman	do	100.00
30	A. B. Renehan	Services, August 12-31, 1888	25.50
31	James Mooney	Services, August, 1888	100.00
32	Henry Lee Reynolds	do	100.00
33	Gerard Fowke	do	125.00
34	Cyrus Thomas	do	200.00
35	V. L. Thomas	do	50.00
36	A. McChesney	do	25.00
37	L. H. Schneider's Son	Laboratory material	3.00
38	Baltimore and Ohio Railroad	Transportation of assistants	100.00
39	Gerard Fowke	Traveling expenses	24.99
40	Mary Irving Wright	Services	48.40
41	Baltimore and Potomac Railroad	Transportation of assistants	11.00
42	Herman Baumgarten	One rubber stamp	1.00
43	Western Union Telegraph Company	Telegram	.20
44	Baltimore and Potomac Railroad	Transportation of assistants	6.50
45	Cyrus Thomas	Traveling expenses	25.00
46	J. W. B. Hewitt	do	49.06
47	Garrick Mallery	do	249.87
48	Pennsylvania Railroad Company	Transportation of assistants	34.20
49	A. B. Renehan	Services, September 1-27, 1888	34.50
50	United States Express Company	Freight charges	9.95
51	Pay-roll of employes	Services, September, 1888	1,488.33
52	Cyrus Thomas	do	200.00
53	V. L. Thomas	do	50.00
54	James D. Middleton	do	125.00
55	James Mooney	do	100.00
56	Henry Lee Reynolds	do	100.00
57	W. J. Hoffman	do	100.00
58	A. McChesney	do	25.00
59	Ludwig von Logan	do	18.00
60	Adams Express Company	Freight charges	13.05
	Total		7,976.07

18 EXPENDITURES FOR INTERNATIONAL EXCHANGES, ETC.

Disbursements made by John D. McChesney, disbursing agent, Bureau of Ethnology, during the second quarter of 1888-'89.

No.	To whom paid.	For what paid.	Amount
1	H. L. Reynolds	Traveling expenses	\$3.90
2	Z. D. Gilman	Supplies for modeling	2.25
3	Ludwig von Logan	Services, October 1-13, 1888	39.00
4	Henry Lee Reynolds	Traveling expenses	8.30
5	Adams Express Company	Freight charges	1.99
6	Baltimore and Potomac Railroad Company	Transportation of assistants	11.00
7	J. W. B. Hewitt	Traveling expenses	37.90
8	Baltimore and Ohio Railroad Company	Transportation of assistants	85.00
9	The Pennsylvania Railroad	do	11.95
10	Samuel Fremont	Services, September 5-30, 1888	44.00
11	A. McChesney	Services, October, 1888	25.00
12	V. L. Thomas	do	50.00
13	Cyrus Thomas	do	200.00
14	Henry Lee Reynolds	do	100.00
15	James D. Middleton	do	125.00
16	Pay-roll of employes	do	1,563.33
17	James Mooney	do	100.00
18	Samuel Fremont	do	54.00
19	Western Union Telegraph Company	Telegram	23
20	W. W. Blake	Publications	45.00
21	Wyckoff, Seamans & Benedict	Repairs to type-writer	9.55
22	Photo-Engraving Company	Original drawings, etc.	42.00
23	Ohio and Mississippi Railway Company	Transportation of assistants	17.75
24	C. H. Pond	Three self-inking dating stamps	21.00
25	J. W. B. Hewitt	Traveling expenses	38.37
26	do	do	28.87
27	Charles S. Cudlip	Photographic supplies	31.70
28	James Mooney	Traveling expenses	300.68
29	James D. Middleton	do	8.80
30	H. W. Henshaw	do	345.90
31	A. McChesney	Services, November 1-15, 1888	12.50
32	V. L. Thomas	do	25.00
33	Cyrus Thomas	Traveling expenses	32.23
34	Pennsylvania Railroad Company	Transportation of assistants	20.55
35	Pay-roll of employes	Services, November, 1888	1,578.33
36	James D. Middleton	do	125.00
37	Cyrus Thomas	do	200.00
38	Samuel Fremont	do	52.00
39	T. E. Stevenson	Preparation of drawings	207.50
40	Nora Thomas	Services, November 16-30, 1888	25.00
41	James Mooney	Services, November, 1888	100.00
42	Augusta McChesney	Services, November 16-30, 1888	25.00
43	William Dinwiddie	Services, November, 1888	13.33
44	Henry Lee Reynolds	do	125.00
45	Z. D. Gilman	Supplies for modeling	4.90
46	Adams Express Company	Freight charges	6.55
47	Cyrus Thomas	Traveling expenses	7.06
48	Nora Thomas	do	3.85
49	C. H. L. Macdonald	Four drawings	20.00
50	Mrs. Matilda C. Stevenson	Ethnologic collection	500.00
51	Baltimore and Potomac Railroad	Transportation of assistants	23.95
52	Wm. L. Ford	Laboratory supplies	7.50
53	L. H. Schneider's Son	Supplies for repairs and modeling purposes	2.70
54	George Ryneal, jr.	Supplies for modeling purposes	25.63
55	James D. Middleton	Traveling expenses	62.80
56	C. H. Pond	One self-inking stamp	1.50
57	Gottlieb Spitzer	Office supplies	1.50
58	Old Colony Railroad Company	Transportation of assistants	8.53
59	Pennsylvania Railroad	do	11.50
60	Western Union Telegraph Company	Telegrams	1.50
61	Pay-roll of employes	Services, December, 1888	525.00
62	do	do	1,575.10
63	Samuel Fremont	do	52.00
64	James Mooney	do	100.00
65	Richmond and Danville Railroad	Transportation of assistants	15.55
66	do	do	15.90
67	James W. Queen & Co.	Drawing instruments	16.00
	Total		8,882.84

EXPENDITURES FOR INTERNATIONAL EXCHANGES, ETC. 19

Disbursements made by Victor Mindeleff, special disbursing agent, Bureau of Ethnology, during the second quarter of 1888-'89.

No.	To whom paid.	For what paid.	Amount.
1	A. M. Stephen.....	Services, July, August, and September, 1888..	\$300. 00
2	A. M. Stephen.....	Services, October, 1888.....	100. 00
3	A. M. Stephen.....	Services, November, 1888.....	100. 00
4	Victor Mindeleff.....	Traveling expenses.....	200. 00
5	Victor Mindeleff.....	Traveling expenses.....	150. 00
6	A. M. Stephen.....	Services, December, 1888.....	100. 00
	Total.....		950. 00

Disbursements made by John D. McCheesney, disbursing agent, Bureau of Ethnology, during the third quarter of 1888-'89.

1	Cyrus Thomas.....	Traveling expenses.....	\$33. 85
2	Albert S. Gatschet.....	do.....	45. 48
3	Henry Lee Reynolds.....	do.....	64. 30
4	Adams Express Company.....	Freight charges.....	21. 45
5	George Ryneal.....	Material for relief map.....	15. 35
6	Baltimore and Potomac Railroad.....	Transportation of assistant.....	21. 50
7	Pennsylvania Railroad Company.....	do.....	53. 05
8	Adams Express Company.....	Freight charges.....	22. 90
9	Gustave E. Stechert.....	Publications.....	12. 40
10	Charles L. Woodward.....	do.....	10. 00
11	Henry Lee Reynolds.....	Traveling expenses.....	29. 45
12	Little, Brown & Co.....	Publications.....	15. 00
13	John F. Parer.....	Office supplies.....	7. 75
14	Henry Lee Reynolds.....	Traveling expenses.....	12. 72
15	Pay-roll of employés.....	Services, January, 1889.....	1, 573. 49
16	do.....	do.....	525. 00
17	Samuel Fremont.....	do.....	60. 75
18	Lucy E. Van Velzer.....	do.....	48. 39
19	James Mooney.....	do.....	100. 00
20	Wyckoff, Seamans & Benedict.....	Remodeling type-writer.....	22. 00
21	A. M. Stephen.....	Services, January, 1889.....	100. 00
22	W. A. Smith.....	Illustrations for Report.....	5. 00
23	Western Union Telegraph Company.....	Telegram.....	. 26
24	Pennsylvania Railroad Company.....	Transportation of assistants.....	13. 20
25	John C. Parker.....	End of type-writer.....	1. 62
26	James D. Middleton.....	Traveling expenses.....	72. 15
27	E. G. Wheeler.....	Supplies for modeling purpose.....	1. 00
28	Browning & Middleton.....	Modeling supplies.....	1. 60
29	Hume & Co.....	Sand soap.....	2. 70
30	L. H. Schneider's Son.....	Material for modeling.....	3. 40
31	Lake Shore and Michigan Southern Railroad.....	Transportation of assistants.....	6. 90
32	George E. Littlefield.....	Publications.....	1. 80
33	Pay-roll of employés.....	Services, February, 1889.....	1, 528. 33
34	do.....	do.....	500. 00
35	do.....	do.....	104. 00
36	B. Westermann & Co.....	Publications.....	6. 54
37	C. H. Pond.....	Rubber hand-stamp.....	4. 00
38	A. M. Stephen.....	Pay, February, 1889.....	100. 00
39	John W. Emmert.....	do.....	70. 00
40	Allegheny Valley Railroad.....	Transportation of assistants.....	5. 01
41	Baltimore and Potomac Railroad.....	do.....	10. 75
42	J. Curtin.....	Traveling expenses.....	69. 25
43	do.....	do.....	161. 10
44	Western Union Telegraph Company.....	Telegrams.....	. 60
45	Charles S. Cudlip.....	Photographic supplies.....	2. 50
46	Franz Boas.....	Services, February, 1889.....	150. 00
47	Mary M. Mitchell.....	Seven drawings.....	10. 50
48	Gore Janney & Co.....	One office desk.....	87. 00
49	Adams Express Company.....	Freight.....	8. 95
50	George Hunter.....	Publications.....	2. 00
51	Brentanos.....	do.....	3. 00
52	George W. Knox.....	Freight charges and hauling.....	1. 06
53	Franz Boas.....	Services, March, 1889.....	150. 00
54	John W. Emmert.....	do.....	75. 00
55	Mary M. Mitchell.....	Twelve drawings.....	18. 00
56	Pay-roll of employés.....	Services, March, 1889.....	1, 528. 33
57	do.....	do.....	500. 00
58	do.....	do.....	145. 00
59	A. M. Stephen.....	do.....	100. 60
60	James C. Pilling.....	Traveling expenses.....	15. 75
	Total.....		8261. 13

20 EXPENDITURES FOR INTERNATIONAL EXCHANGES. ETC.

Disbursements made by John D. McChesney, disbursing agent, Bureau of Ethnology, during the fourth quarter of 1888-'89.

No.	To whom paid.	For what paid.	Amount
1	Cyrus Thomas	Traveling expenses	\$13.50
2	Pittsburgh, Cincinnati, and St. Louis Railroad.	Transportation of assistants	5.00
3	Z. D. Gilman	Supplies	4.45
4	Thos. Riggs, jr.	Office supplies	12.00
5	Pennsylvania Railroad Company	Transportation of assistants	11.95
6	Chesapeake and Ohio Railroad Company.	do.	11.80
7	Richmond and Danville Railroad	do.	16.15
8	Cleveland, Columbus, Cincinnati and Indianapolis Railroad.	do.	6.90
9	Baltimore and Potomac Railroad	do.	21.50
10	J. Curtin	Services, February, 1889	150.00
11	do.	Services, March, 1889	150.00
12	Hayward & Hutchinson	Supplies for modeling purposes	3.90
13	Albert S. Gatschet.	Miscellaneous field expenses	17.00
14	Geo. Ryneal, jr.	Supplies for modeling	20.75
15	Royce & Marean	Electrical supplies	39.40
16	John W. Emmert	Services, April, 1889	75.00
17	W. B. Moses & Son	Supplies for office	27.15
18	Hermann Baumgarten	do.	4.00
19	Ponca Indian, Little Standing Buffalo.	Services	52.00
20	Adams Express Company	Freight charges	5.45
21	Franz Boas	Services, April, 1889	150.00
22	Mary M. Mitchell.	Twelve drawings	21.00
23	Pay-roll of employes.	Services, April, 1889	525.00
24	do.	do.	100.00
25	do.	do.	1,528.33
26	A. M. Stephen	do.	100.00
27	Pennsylvania Railroad Company	Transportation of assistants	11.95
28	William D. Clark & Co	Modeling supplies.	15.78
29	E. E. Jackson & Co	Supplies for modeling purposes	11.22
30	George Ryneal, jr.	Supplies for modeling	2.80
31	United States Express Company.	Freight charges	31.10
32	Ponca Indian	Services, May 1-24, 1889.	42.00
33	Pay-roll of employes.	do.	135.00
34	do.	do.	500.00
35	do.	do.	1,515.59
36	Baltimore and Potomac Railroad.	Transportation of assistants	21.50
37	Mary M. Mitchell	Drawings	38.50
38	A. M. Stephen	Services	100.00
39	John C. Parker	Type-wheel	15.00
40	Eastman Dry-plate and Film Company.	Photographic material	30.00
41	J. Curtin	Services, April, 1889	150.00
42	Western Union Telegraph Company.	Telegrams, March, 1889	.98
43	United Lines Telegraph Company.	Telegrams	.40
44	William Beauchamp	Archaeological map	5.00
45	W. H. Lowdermilk & Co.	Publications	67.40
46	James C. Pilling	Traveling expenses	123.30
47	Pay-roll of employes.	Services, June, 1889.	158.33
48	do.	do.	500.00
49	do.	do.	110.00
50	Wyckoff, Seamans & Benedict	Type-writer supplies	27.45
51	A. M. Stephen	Services, June, 1889	100.00
52	Cyrus Thomas	Traveling expenses	3.75
53	Gustav E. Steclert.	Publications	25.75
54	Royce and Marean.	Office supplies	14.35
55	Brentanos.	Publications	4.40
56	East Tennessee, Virginia and Georgia Railroad.	Transportation of assistants	16.85
57	Mary M. Mitchell	12 drawings	21.00
	Total		8,241.63
	Grand total		34,311.67