

EXPENDITURES FOR INTERNATIONAL EXCHANGE, ETC.

L E T T E R

FROM THE

SECRETARY OF THE SMITHSONIAN INSTITUTION,

Concerning expenditures for "International exchange," "The National Museum," and "North American ethnology" for the fiscal year 1888.

DECEMBER 18, 1888.—Referred to the Committee on Appropriations.

DECEMBER 19, 1888.—Referred to the Committee on Appropriations and ordered to be printed.

SMITHSONIAN INSTITUTION,
Washington, D. C., December 1, 1888.

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 of the fiscal year 1888, 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.

Hon. J. G. CARLISLE,
Speaker of the House of Representatives.

Detailed statement of the expenditures of the fiscal year ending June 30, 1888, under appropriations by Congress for "International exchange," "National Museum," and "North American ethnology."

[By Samuel P. Langley, Secretary of the Smithsonian Institution.]

INTERNATIONAL EXCHANGES.

Appropriated by Congress for the fiscal year ending June 30, 1888, "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, approved March 3, 1887)..... \$12,000.00

EXPENDITURES FOR INTERNATIONAL EXCHANGE, ETC.

EXPENDITURES DURING 1887-'88.

Salaries or compensation :

One curator (part of year), at \$175 per month	\$598.39
One clerk, 12 months, at \$150 per month	1,800.00
One clerk, 12 months, at \$100 per month	1,200.00
One clerk, 8 months, at \$75 per month	600.00
One clerk, 6 months, at \$75 per month	450.00
One clerk, 8 months, at \$65 per month	520.00
One clerk, 12 months, at \$60 per month	720.00
One clerk, 6 months, at \$60 per month	360.00
One clerk, 8 months, at \$60 per month	480.00
One clerk, 4 months, at \$60 per month	240.00
One clerk, 4 months, at \$55 per month	220.00
One copyist, 4 months, at \$40 per month	\$160.000
One copyist, special	40.65
One packer, 9 months, at \$75 per month	675.00
One packer, 5 months, at \$50 per month	250.00
One messenger, 9 months, at \$20 per month	180.00
One laborer, 2 months, at \$40 per month	80.00
One agent (Germany), 1 year	1,000.00
One agent (England), 1 year	500.00

Total salaries and compensation (under the appropriation)	10,074.04
Freight	924.54
Packing-boxes	527.00
Printing	230.50
Binding records	88.00
Postage	100.00
Date stamps	5.75
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	\$1,875.79
Total expenditure (under the appropriation)	11,949.83
Balance unexpended July 1, 1888	50.17

Detailed statement of expenditures from appropriation of \$12,000 for international exchanges.

	Items of expenditure.	Amount.		Items of expenditure.	Amount.
1	Pay-roll, July, services	\$515.00	32	William Wealey & Son, services as agent	\$250.00
2	Pay-roll, August, services	515.00	33	Felix Flugel, services as agent	500.00
3	Pay-roll, September, services	515.00	34	Pay-roll, December, services	645.00
4	Pay-roll, October, services	560.00	35	Byron S. Adams, shipping blanks	13.50
5	Gottlieb Spitzer, repairing stamp, etc	5.75	36	Pay-roll, January, services	740.00
6	E. E. Jackson, packing-boxes	5.50	37	George W. Knox, freight	50.31
7	do	77.25	38	A. Curet, int. exchange blanks	10.00
8	Funch, Edey & Co., freight	4.24	39	Adams Express Company, freight	15.39
9	Oelrichs & Co., freight	1.53	40	Flint & Co., freight	1.50
10	Barber & Co., freight	15.30	41	Oelrichs & Co., freight	7.41
11	S. L. Merchant Co., freight	1.50	42	George W. Knox, freight	65.21
12	Geo. W. Knox, freight	34.95	43	Adams Express Company, freight	3.05
13	do	67.20	44	F. H. Shallus, freight	8.72
14	Oelrichs & Co., freight	7.55	45	George W. Knox, freight	57.53
15	Pay-roll, November, services	645.00	46	Oelrichs & Co., freight	6.41
16	Adams Express Company, freight	2.55	47	Antonio C. Gonzales, freight	11.10
17	do	3.00	48	E. E. Jackson & Co., packing-boxes	88.50
18	Barber & Co., freight	5.10	49	Judd & Detweiler, printing	126.50
19	Funch, Edey & Co., freight	2.20	50	A. Schumacher & Co., freight	12.27
20	Judd & Detweiler, printing	37.00	51	Washington City post-office, postage	100.00
21	Oelrichs & Co., freight	6.30	52	Pay-roll, February, services	740.00
22	L. W. Morris & Son, freight	3.30	53	Adams Express Company, freight	9.00
23	Adams Express Company, freight	7.25	54	Florence Davies, services	40.65
24	G. W. Knox, freight	72.93	55	United States Express Co., freight	1.85
25	do	79.60	56	Oelrichs & Co., freight	1.75
26	W. H. Nalley, book-binding	23.00	57	do	4.58
27	Oelrichs & Co., freight	6.33	58	do	8.38
28	Hensel, Bruckmann & Lorbacher, freight	2.00	59	do	2.50
29	E. E. Jackson & Co., packing-boxes	148.75	60	Pay-roll, March, services	740.00
30	Gustav E. Stechert, freight	1.75	61	A. Curet, printing	7.56
31	J. Ter Kulle, freight	2.00	62	E. E. Jackson & Co., packing-boxes	42.50
			63	Judd & Detweiler, printing	36.00

EXPENDITURES FOR INTERNATIONAL EXCHANGE, ETC.

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Detailed statement of expenditures from appropriation, etc.—Continued.

Items of expenditure.		Amount.	Items of expenditure.		Amount.
64	Adams Express Company, freight.	\$1.20	81	Pay-roll, May, services	\$790.00
65	Charles L. French, freight.	2.00	82	U. S. Express Company, freight.	1.15
66	Hensel, Bruckmann & Lorbacher, freight	3.90	83	George W. Knox, freight	62.05
67	J. H. Kidder, March, services	73.39	84	Contanseau Rapid Foreign Ex. Co., freight	9.40
68	George W. Knox, freight	171.73	85	Oelrichs & Co., freight	1.75
69	Oelrichs & Co., freight	3.58	86	Tice & Lynch, freight.	8.50
70	Adams Express Company, freight.	2.85	87	J. H. Kidder, May, services	175.00
71	Pay-roll, April, services	740.05	88	Oelrichs & Co., freight	5.41
72	U. S. Express Company, freight	.65	89	E. E. Jackson & Co., packing-boxes	174.50
73	George W. Knox, freight	26.76	90	Paul F. Gerhard & Co., freight	2.75
74	A. Schumacher & Co., freight	5.07	91	Pay-roll June, services	790.00
75	Oelrichs & Co., freight	5.35	92	Felix Flügel, services	500.00
76	J. H. Kidder, April, services.	175.00	93	Wm. Wesley & Son, services	250.00
77	W. H. Nalley, book-binding	65.00	94	J. H. Kidder, June	175.00
78	Kunhardt & Co., freight	10.80			
79	Hensel, Bruchmann & Lorbacher, freight	2.00		Total expenditure (under the appropriation)	11,949.83
80	Oelrichs & Co., freight	4.10			

SUMMARY.

Appropriation	\$12,000.00
Expenditure	11,949.83
Balance	50.17

The expenditure under the appropriation is not the actual cost of the International Exchanges, which is \$15,113.75; and the deficiency, \$2,908 (\$3,113.75 less \$205.75 repaid from other sources than the appropriation of \$12,000), has been paid from the income of the Smithsonian bequest.

U. S. NATIONAL MUSEUM.

PRESERVATION OF COLLECTIONS.

Appropriation for the fiscal year ending June 30, 1883, for the preservation, exhibition, and increase of collections from the surveying and exploring expeditions of the Government and from other sources, including salaries or compensation of all necessary employes [Public, No. 148, p. 22]. \$116,000.00

EXPENDITURE.

Services	\$97,493.32
Supplies	3,427.05
Stationery	2,281.96
Specimens	8,325.27
Books	668.72
Travel	983.81
Freight and cartage	1,604.10
Total expenditure for the year	114,784.23
Balance December 1, 1883, to meet outstanding liabilities	1,215.77
	116,000.00

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SALARIES AND SERVICES PAID FROM THE APPROPRIATION FOR PRESERVATION OF COLLECTIONS, 1887-'88.

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

Classification.	Salary.	Classification.	Salary.
<i>Direction.</i>		<i>Clerical staff—Continued.</i>	
Assistant secretary Smithsonian Institution, in charge of U. S. National Museum.....	\$300.00	One copyist, at.....	\$35.00
<i>Scientific staff.</i>		Two copyists, at.....	30.00
Five curators, at.....	175.00	One copyist, at.....	25.00
One curator, at.....	166.00	<i>Preparators.</i>	
One acting curator at.....	90.00	One artist, at.....	110.00
One assistant curator, at.....	150.00	One photographer, at.....	150.00
Two curators, at.....	125.00	One taxidermist, at.....	150.00
One curator, at.....	90.00	Do.....	80.00
One assistant, at.....	125.00	Do.....	70.00
Do.....	100.00	One assistant taxidermist, at.....	60.00
One collector, at.....	100.00	One modeler, at.....	125.00
Two aids, at.....	75.00	Two preparators, at.....	100.00
One aid, at.....	65.00	One preparator, at.....	75.00
Three aids, at.....	60.00	Do.....	65.00
Do.....	50.00	Do.....	60.00
Five aids, at.....	40.00	Do.....	50.00
<i>Clerical staff.</i>		<i>Buildings and labor.</i>	
One chief clerk, at.....	166.66	One superintendent of buildings, at.....	135.00
One executive clerk, at.....	150.00	One assistant superintendent of buildings, at.....	80.00
One registrar, at.....	168.33	Thirteen watchmen, at.....	50.00
One agent, at.....	100.00	Four-skilled laborers, at.....	50.00
One draughtsman, at.....	75.00	Two skilled laborers, at.....	*2.00
One assistant draughtsman, at.....	30.00	One laborer, at.....	46.00
One clerk, at.....	115.00	Two laborers, at.....	45.00
Do.....	110.00	Eight laborers, at.....	40.00
Two clerks, at.....	100.00	Twelve laborers, at.....	*1.50
One clerk, at.....	90.00	One attendant, at.....	40.00
Do.....	75.00	Two attendants, at.....	35.00
Do.....	70.00	Three cleaners, at.....	30.00
Do.....	60.00	One cleaner, at.....	20.00
Three clerks, at.....	50.00	Two cleaners, at.....	*1.00
One type-writer, at.....	45.00	One messenger, at.....	75.00
One copyist, at.....	55.00	Do.....	65.00
Seven copyists, at.....	50.00	Do.....	45.00
One copyist, at.....	45.00	Do.....	37.00
Seven copyists, at.....	40.00	Do.....	20.00

*Per diem.

Detailed statement of expenditures from appropriation of \$116,000 for preservation of collections, 1887-'88.

Items of expenditure.	Amount.	Items of expenditure.	Amount.
1 C. W. Jones, services.....	\$8.75	18 H. Holt & Co., books.....	\$1.23
2 G. B. Goode, services.....	300.00	19 W. S. Yates, travel.....	41.45
3 J. Mace, services.....	75.00	20 E. E. Jackson, supplies.....	1.20
4 Pay-roll for July, services.....	7,075.77	21 C. S. Cudlip, supplies.....	17.28
5 S. E. Koehler, services.....	90.00	22 S. E. Koehler, services.....	90.00
6 G. McCarthy, services.....	40.00	23 L. Small, specimens.....	10.00
7 S. Gidleman, services.....	14.00	24 V. N. Edwards, travel.....	8.98
8 G. B. Goode, services.....	300.00	25 Jno. Durand, services.....	100.00
9 Pay-roll for August, services.....	7,432.14	26 E. K. Smith, jr.....	10.32
10 Mutual District Messenger Company, services.....	.70	27 R. W. Deering, services.....	21.03
11 Baltimore and Ohio Telegraph Company, services.....	.88	28 J. Durand, services.....	100.00
12 H. W. Goodwin, supplies.....	21.00	29 J. Springer, books.....	1.87
13 Houghton, Mifflin & Co., books.....	1.20	30 W. S. Yates, travel.....	58.99
14 O. F. H. Warner & Co., stationery.....	49.05	31 L. M. Underwood, services.....	75.00
15 Westermann & Co., books.....	3.60	32 Pay-roll for September, services.....	7,099.61
16 G. E. Steckert, books.....	5.52	33 E. W. Nelson, specimens.....	51.00
17 J. Wiley & Sons, books.....	10.60	34 B. Whidden, books.....	3.50
		35 J. Mace, services.....	75.00
		36 J. Durand, services.....	100.00

EXPENDITURES FOR INTERNATIONAL EXCHANGE, ETC.

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Detailed statement of expenditures from appropriation, etc.—Continued.

Items of expenditure.		Amount.	Items of expenditure.		Amount.
37	G. B. Goode, services	\$300.00	111	W. S. Yeates, supplies	\$2.64
38	G. McCarthy, services	40.00	112	Joseph Mace, services	75.00
39	G. McCarthy, services	40.00	113	G. B. Goode, services	150.00
40	Jos. Mace, services	2.00	114	J. F. Gatton, services	24.00
41	L. M. Underwood, services	75.00	115	R. W. Deering, services	38.00
42	S. R. Koehler, services	90.00	116	do	16.00
43	T. A. Mills, specimens	45.00	117	Jas. Keleher, freight	5.00
44	W. S. Yeates, travel	39.00	118	G. E. Doering, services	3.87
45	W. H. Burger, services	30.00	119	Independent Ice Company, supplies	39.34
46	W. H. Earnest, supplies	9.00	120	do	49.45
47	Z. D. Gilman, supplies	220.82	121	do	46.76
48	H. Rosendale, services	3.00	122	J. Durand, services	100.00
49	R. Murray & Co., freight	5.00	123	J. Hoffa, supplies	1.00
50	Wm. H. Nalley, books	1.50	124	Independent Ice Company, supplies	33.18
51	Frank Fuller, services	12.00	125	L. Schmidt & Sons, specimens	2.00
52	R. W. Shufeldt, specimens	25.00	126	C. S. Cudlip, supplies	34.29
53	J. F. Stephenson, freight	2.30	127	J. H. Hickox, books	5.00
54	G. W. Knox, freight	9.19	128	J. B. Marcou, travel	60.30
55	G. P. Merrill, travel	60.29	129	Adams Express Company, freight	43.60
56	Western Union Telegraph Company, services	1.69	130	C. H. Pond, stationery	.50
57	do	7.42	131	James Hughes, services	15.00
58	Adams Express Company, freight	17.60	132	Adams Express Company, freight	24.90
59	do	21.75	133	Mutual District Messenger Company, services	1.70
60	W. E. Farrington, books	.44	134	United States Express Company, freight	6.25
61	Hensel, Bruckmann & Co., freight	4.85	135	Baltimore and Ohio Express Company, freight	23.70
62	B. Westermann & Co., books	14.85	136	Eimer & Amend, supplies	14.94
63	F. Welle, books	10.00	137	Springman & Bro., freight	50.00
64	A. L. Shipman's Sons, stationery	26.10	138	B. L. Phillips, services	13.50
65	do	2.10	139	G. W. Fitts, supplies	3.50
66	F. K. Ward, supplies	1.20	140	Wash. Matthews, specimens	5.50
67	E. Morrison, stationery	16.65	141	W. A. H. Schreiber, freight	5.00
68	Mutual District Messenger Company, services	2.50	142	S. R. Koehler, services	90.00
69	Baltimore and Ohio Telegraph Company, services	.93	143	Baltimore and Ohio Telegraph Company, services	1.33
70	Pay-roll for October, services	7,167.39	144	T. A. Mills, specimens	45.00
71	G. B. Goode, services	300.00	145	Pennsylvania Railroad Company, travel	11.65
72	Pennsylvania Railroad Company, travel	20.00	146	G. P. Merrill, travel	10.00
73	Baltimore and Ohio Express, freight	9.45	147	Babcock & Co., specimens	50.00
74	do	3.65	148	J. W. Barker, supplies	18.35
75	Jno. Durand, services	100.00	149	L. A. Huffman, services	25.00
76	W. S. Yeates, specimens	3.60	150	W. S. Yeates, travel	89.49
77	George Watts, supplies	1.40	151	G. F. Wassman, services	2.50
78	F. A. Lucas, travel	29.55	152	G. W. Knox, freight	65.67
79	G. B. Goode, travel	30.10	153	do	31.03
80	F. W. True, services	112.90	154	J. A. Morrison, services	19.50
81	William Palmer, services	65.00	155	G. B. Goode, services	150.00
82	F. W. True, services	35.00	156	M. F. Rue, services	16.50
83	Baltimore and Ohio Telegraph Company, services	.94	157	Little, Brown & Co., books	8.00
84	S. R. Koehler, services	90.00	158	George Maier, stationery	6.00
85	T. A. Mills, specimens	45.00	159	Mutual District Messenger Company, services	1.55
86	E. E. Jackson & Co., supplies	2.00	160	W. H. Barbour, services	4.50
87	G. W. Knox, freight	23.16	161	W. T. Hornaday, travel	183.59
88	W. S. Yeates, travel	34.83	162	E. Morrison, stationery	214.18
89	J. T. Walker Sons, supplies	15.95	163	Western Union Telegraph Company, supplies	3.44
90	R. O. Edmonston, supplies	42.76	164	Independent Ice Company, supplies	27.76
91	Z. D. Gilman, supplies	55.97	165	S. G. Eberly, freight	9.87
92	Charles Hill, specimens	2.00	166	J. J. Crook & Co., supplies	32.50
93	G. B. Goode, services	150.00	167	C. J. Cohen, stationery	25.00
94	A. L. Shipman's Sons, stationery	12.96	168	J. F. Ellis, specimens	7.85
95	F. W. Devoe & Co., stationery	13.00	169	J. F. Ellis, travel	16.00
96	W. H. Schiefflin & Co., supplies	20.80	170	W. L. Carpenter, freight	.50
97	G. M. Hopkins, books	20.00	171	J. Durand, services	100.00
98	J. C. Zeledon, specimens	10.50	172	S. R. Koehler, services	90.00
99	Griffin & Cook, supplies	.50	173	M. F. Rue, services	21.00
100	W. S. Thompson, supplies	2.34	174	O. Roan, services	19.50
101	H. M. Dexter & Co., services	13.65	175	Joseph Mace, services	75.00
102	F. W. Clark, travel	62.05	176	G. B. Goode, services	150.00
103	C. Ferber, services	23.25	177	Pay-roll for December, services	7,758.50
104	H. Brinkmann, services	22.50	178	Western Union Telegraph Company, services	.52
105	E. Koch, books	37.13	179	George Ryneal, jr., supplies	10.00
106	Meyer & Miller, books	71.02	180	J. W. Hendley, services	12.00
107	R. Friedlander & Sons, books	87.09	181	T. A. Mills, specimens	45.00
108	C. J. Collins, services	22.50	182	J. M. Clarke, freight	1.50
109	Pay-roll for November, services	7,765.98			
110	M. D. Anderson, services	24.00			

EXPENDITURES FOR INTERNATIONAL EXCHANGE, ETC.

Detailed statement of expenditures from appropriation, etc.—Continued.

Items of expenditure.		Amount.	Items of expenditure.		Amount.
183	F. Stephens, specimens	\$6.00	256	Mrs. F. Stinzing, supplies	\$4.86
184	H. Brown, services	1.00	257	Wm. Ballantyne & Son, stationery	1.00
185	M. F. Rue, services	18.00	258	F. A. Schmidt, stationery	.30
186	C. W. Jones, services	22.50	259	E. Morrison, stationery	7.15
187	F. J. Fuller, services	19.35	260	J. S. Topham, supplies	4.00
188	W. S. Yeates, travel	58.17	261	United States Express Company, freight	13.75
189	John M. Fisher, services	22.50		do	6.55
190	F. H. Butler, specimens	63.37	262	Geo. W. Knox, freight	21.78
191	Hensel, Bruckman & Co., freight	13.70	263	Rich. Gutper, specimens	259.90
192	C. C. Anderson, services	5.00	264	A. B. Baker, specimens	7.60
193	John F. Paret, stationery	5.83	265	J. H. Mills & Co., supplies	2.64
194	Adams Express Company, freight	24.90	266	Geo. Ryneal, jr., supplies	15.30
195	G. B. Goode, travel	29.27	267	Pennsylvania Railroad Company, travel	7.97
196	F. Peterson, supplies	13.93	268	H. M. Smith, books	1.20
197	E. S. Boyd, books	20.00	269	C. H. Pond, stationery	1.00
198	Western Union Telegraph Company, services	2.99	270	W. Engleman, books	1.39
199	George W. Knox, freight	102.91	271	Western Union Telegraph Company, service	5.14
200	C. B. Fenton & Co., supplies	3.50	272	L. H. Merrill, services	11.03
201	L. Moxley, supplies	10.80	273	G. B. Goode, services	300.00
202	J. Karr, services	1.50	274	H. Bernard, specimens	79.80
203	Poole & Brooke, supplies	5.83	275	Joseph Mace, freight	75.00
204	W. H. Schiefflin & Co., supplies	43.43	276	R. E. C. Stearns, supplies	1.92
205	Eimer & Amend, supplies	34.96	277	Pay-roll for February, services	7,561.90
206	Scientific Publishing Company, books	7.50	278	J. Durand, services	100.00
207	E. E. Jackson & Co., supplies	2.00	279	Wash. Matthews, specimens	7.00
208	J. Durand, services	100.00	280	Nixon Brewer, supplies	.75
209	L. Moxley, supplies	10.80	281	Wyckoff, Seamans & Co., stationery	11.47
210	Henry A. Ward, supplies	125.00	282	Adams Express Company, freight	61.05
211	Baltimore and Potomac Railroad Company, travel	4.00	283	E. Montrop, services	10.00
212	S. F. Ware, supplies	15.47	284	W. S. Yeates, travel	75.25
213	Wyckoff, Seamans & Co., services	9.30	285	Z. D. Gilman, supplies	2.45
214	Edward Chesley, supplies	2.00	286	W. T. Hornaday, specimens	35.05
215	Mutual District Messenger Co., services	.60	287	E. Koch, books	12.33
216	Joseph Mace, freight	75.00	288	P. L. Jouy, specimens	15.00
217	Pay-roll for January, services	7,447.92	289	M. H. Fosbe, specimens	10.00
218	G. B. Goode, services	300.00	290	S. E. Koehler, services	90.00
219	W. Ballantyne & Son, stationery	46.31	291	M. Shindhelm, specimens	18.00
220	United States Express Company, freight	10.50	292	Samuel Henson, specimens	39.36
221	W. T. Hornaday, specimens	2.74	293	Turner Jenkins, services	1.25
222	S. R. Koehler, services	90.00	294	Northern Distilling Company, supplies	123.28
223	Lehn & Fink, supplies	21.77	295	M. C. Rousseau, services	15.00
224	J. Forristall, freight	15.00	296	J. W. Kiddie, freight	74.40
225	Armour & Co., supplies	11.84	297	Independent Ice Co., supplies	74.34
226	C. H. Pond, stationery	9.50	298	R. O. Edmonston, supplies	.72
227	do	4.25	299	C. Fisher, supplies	.75
228	William Palmer, travel	18.61	300	Wm. E. Stockett & Co., services	48.25
229	W. S. Thompson, supplies	4.94	301	Thomas Dowling, supplies	137.95
230	Nixon Brewer, supplies	8.31	302	J. Baumgarten & Son, stationery	1.50
231	J. T. Walker Sons, supplies	20.80	303	Wm. Ballantyne & Son, stationery	16.70
232	Wyckoff, Seamans & Co., stationery	37.15	304	Globe Company, stationery	52.15
233	Browning & Middleton, supplies	2.50	305	C. B. Fenton & Co., supplies	8.75
234	Lansburgh & Bro., supplies	69.60	306	George Ryneal, jr., supplies	11.43
235	Francis Miller, supplies	24.08	307	J. W. Queen, books, supplies	2.09
236	F. Stephens, specimen	12.50	308	Henry McShane & Co., supplies	28.00
237	Z. D. Gilman, supplies	43.19	309	John C. Parker, stationery	3.00
238	Adams Express Company, freight	48.75	310	United States Express Company, freight	175.85
239	William H. Butler, supplies	18.40	311	Adams Express Company, freight	27.90
240	F. A. Schmidt, stationery	11.75	312	G. W. Knox, freight	27.49
241	L. Schmidt & Sons, specimens	2.00	313	E. Morrison, stationery	11.00
242	Mutual District Messenger Company, services	2.25	314	E. Steiger & Co., books	5.00
243	E. W. Bullinger, books	3.00	315	R. R. Donnelly & Sons, books	4.00
244	Oelrichs & Co., freight	2.21	316	Nat. Press. Int. Company, books	.90
245	Woodward & Lathrop, supplies	2.20	317	S. W. & S. F. Denton, specimens	22.50
246	Photo-Engraving Co., stationery	1.00	318	S. D. Peet, books	4.00
247	Rice, Kendall & Co., stationery	28.00	319	L. Scott Publishing Company, books	4.00
248	John Akhurst, supplies	12.50	320	W. H. Dall, travel	6.25
249	W. H. Schiefflin & Co., supplies	48.50	321	do	6.75
250	do	4.96	322	Western Union Telegraph Company, services	1.93
251	G. W. Knox, freight	32.46	323	Church & Stephenson, supplies	6.40
252	Rider & Addison, stationery	11.25	324	E. J. Pullman, stationery	10.79
253	E. Johnson, services	36.00	325	W. G. Stimpson, services	12.90
254	F. P. May & Co., supplies	2.54	326	Jos. Mace, freight	75.00
255	B. Westermann & Co., books	8.50	327		

EXPENDITURES FOR INTERNATIONAL EXCHANGE, ETC.

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Detailed statement of expenditures from appropriation, etc.—Continued.

Items of expenditure.		Amount.	Items of expenditure.		Amount.
328	Pay-roll for March, services	\$7,641.42	401	Mutual District Messenger Com-	
329	Mrs. E. Stinzing, supplies	21.92		pany, services	\$0.95
330	C. Scribner's Sons, books	9.00	402	M. B. Haynes, services	54.00
331	E. Morrison, stationery	11.63	403	E. Gregg	24.75
332	J. F. Paret, stationery	5.00	404	Nat. Press. Int. Company, books	6.65
333	J. C. Parker, stationery	3.50		Not paid.	
334	L. Moxley, supplies	12.60	406	J. Wyeth & Bro., supplies	155.79
335	J. T. Walker Sons, supplies	6.80	407	Buchanan & Powers, supplies	35.00
336	C. Pelletier, supplies	4.00	408	Railroad Gazette, books	4.00
337	F. A. Schmidt, supplies	10.13	409	Northern Distilling Company,	
338	Lausburgh & Bro., supplies	.55		supplies	104.42
339	C. H. Pond, supplies	6.45	410	W. H. Butler, supplies	1.50
340	Dennison Manufacturing Com-		411	Amasa Bowen, supplies	1.80
	pany, stationery	30.06	412	C. S. Hein, services	27.00
341	Etmer & Amend, supplies	50.69	413	Independent Ice Company, sup-	
342	R. O. Edmonston, supplies	5.33		plies	32.34
344	J. E. Watkins, services	20.00	414	Bulkley, R. & Co., supplies	2.04
345	J. E. Lucas, services	11.97	415	S. F. Ware, supplies	4.00
346	Little, Brown & Co., books	24.00	416	F. A. Schmidt, supplies	1.65
347	W. H. Farington, supplies	6.50	417	W. Ballantyne, stationery	1.60
348	S. F. Ware, supplies	9.13	418	W. A. Wilson, supplies	5.00
349	J. B. Lippincott & Co., books	5.00	419	A. L. Shipman's Sons, supplies	4.20
350	Albert Moore, specimens	25.00	420	White, Corbin & Co., stationery	46.00
351	(Not paid)		421	L. Morley, supplies	12.60
352	George Marshall, services	20.00	422	Lehn & Fink, supplies	1.36
353	J. T. Walker Sons, supplies	5.20	423	National Disinfectant and Manu-	
354	Baltimore and Potomac Railroad			facturing Company, supplies	8.00
	Company, travel	8.00	424	M. Lindsay, stationery	1.25
355	D. Shanahan, supplies	32.65	425	J. H. Mills & Co., supplies	11.42
356	W. H. Lowdermilk & Co., books	41.50	426	K. Kueess & Son, supplies	2.00
357	Mutual District Messenger Com-		427	L. H. Schneider's Sons, supplies	8.40
	pany, services	1.85	428	F. A. Schneider, supplies	.90
358	Rider & Addison, stationery	30.76	429	Mutual District Messenger Com-	
359	Estate of I. Lea (C. Febinger, ex-			pany, services	3.75
	ecutor), specimens	12.50	430	United States Express Company,	
360	Registrar of wills, Philadelphia			freight	28.55
	(I. Lea's estate), specimens	416.00	431	Adams Express Company, freight	36.82
361	Evening Star, books	.96	432	G. W. Knox, freight	37.31
362	Photo-Engraving Company, sup-		433	Western Union Telegraph Com-	
	plies	12.00		pany services	5.23
363	W. Wesley & Son, books	2.29	434	Wm. Wesley & Son, books	1.32
364	J. M. Hodges, supplies	3.75	435	G. B. Goode, services	300.00
365	W. Ballantyne & Son, stationery	15.45	436	J. Durand, services	100.00
366	B. R. Scannel, supplies	59.40	437	S. R. Koehler, services	90.00
367	F. Peterson, supplies	11.75	438	J. Mace, services	75.00
368	Shepherd & Hurley, services	3.00	439	Pay-roll for May, services	7,486.57
369	W. H. Veerhoof, supplies	1.50		Not paid.	
370	M. G. Emery, books	10.00	441	Do.	
371	W. F. Murphy Sons, stationery	3.18	442	Do.	
372	T. Jenkins, services	1.25	443	Do.	
373	G. Rynal, jr., supplies	15.15	444	Do.	
374	Z. D. Gilman, supplies	38.75	445	Do.	
375	H. McShane & Co., supplies	6.64	446	Mrs. R. Stinzing, supplies	59.79
376	Woodward & Lothrop, supplies	12.41	447	H. H. James, services	6.45
377	J. C. Ergood, supplies	2.98	448	R. W. Deering, services	10.32
378	J. Akhurst, supplies	6.25	449	Mutual District Messenger Com-	
379	Wyckoff, Seaman & Co., supplies	81.50		pany, services	2.10
380	F. H. Gilson, books	1.00	450	J. F. Paret, stationery	1.50
381	Independent Ice Company, sup-		451	Not paid.	
	plies	26.46	452	L. M. Cornwall, supplies	27.04
382	United States Express Company,		453	M. Lukanitzch, supplies	14.48
	freight	4.30	454	W. Taylor, specimens	20.00
383	G. W. Knox, freight	20.68	455	S. F. Ware, supplies	2.50
384	Adams Express Company, freight	33.70	456	E. Morrison, stationery	81.44
385	W. Engelmann, books	6.13	457	R. T. Allen, specimens	25.00
386	H. M. Dexter & Co., services	34.20	458	G. McCarthy, specimens	10.00
387	Interior Department, stationery	907.96	459	W. T. Hornaday, specimens	33.33
388	G. B. Goode, services	300.00	460	S. G. Eberly, supplies	9.87
389	B. Westermann & Co., books	15.64		Not paid.	
390	H. Romeyn, specimens	40.00	462	J. Boyle, supplies	14.70
391	W. Nailor, services	6.75	463	J. Palmer, travel	52.45
392	J. Durand, services	100.00	464	C. K. Worthen, specimens	6.00
393	N. Brewer, supplies	14.16	465	R. Hitchcock, services	500.00
394	G. McCarthy, services	40.00	466	W. Wesley & Son, books	19.83
395	S. R. Koehler, services	90.00	467	M. J. Geare, services	4.68
396	J. Mace, services	75.00	468	S. R. Koehler, services	180.00
397	Pay-roll for April, services	7,472.40	469	J. Mace, services	75.00
398	T. A. Mills, services	125.00	470	G. B. Goode, services	300.00
399	C. K. Worthen, specimens	10.00	471	J. Durand, services	100.00
400	F. P. May & Co., supplies	3.33	472	Pay-roll for June, services	6,750.05

Detailed statement of expenditures from appropriation, etc.—Continued.

Items of expenditure.		Amount.	Items of expenditure.		Amount.
473	F. W. True, travel.....	\$29.41	543	J. T. Varnell & Sons, supplies....	\$73.32
474	O. R. Bendy, services.....	8.00	544	W. H. Harrover, supplies.....	.25
475	F. Stephens, specimens.....	29.50	545	G. G. Freyer, specimens.....	10.00
476	J. Durand, services.....	100.00	546	Rider & Addison, stationery....	17.23
477	S. R. Koehler, services.....	90.00	547	Mutual District Messenger Com- pany, services.....	2.90
478	W. P. Stender, supplies.....	19.65	548	J. G. Swau, specimens.....	40.00
479	R. Hitchcock, services.....	100.00	549	H. M. Dexter & Co., services....	16.00
480	Western Union Telegraph Com- pany, services.....	1.52	550	Q. P. Index books.....	1.00
481	G. B. Goode, services.....	300.00	551	A. Stafford, stationery.....	5.60
482	Munn & Co., books.....	1.75	552	Interior Department stationery division, stationery.....	376.18
483	A. B. Douglass, specimens.....	125.00	553	Western Union Telegraph Com- pany, services.....	5.31
484	U. Holzer, supplies.....	75.00	554	F. P. May & Co., supplies.....	7.71
485	F. Miller, supplies.....	7.65	555	L. Schmidt & Sons, supplies....	24.77
486	L. M. Cornwall, supplies.....	50.42	556	W. Ballantyne, books, \$3.50; sta- tionery, \$17.80.....	21.30
487	Church & Stephenson, supplies..	2.00	557	M. G. Copeland, supplies.....	9.00
488	T. A. Wilmurt.....	6.00	558	Thomas Rowland, specimens....	19.40
489	D. E. Collins, supplies.....	1.05	559	Cornwall & Cront, services.....	25.00
490	George W. Knox, freight.....	13.41	560	Nat. Press. Int. Company, books..	4.85
491	Adams Express Company, freight..	27.45	561	Northern Distilling Company, supplies.....	170.20
492	United States Express Company, freight.....	13.70	562	Western Union Telegraph Com- pany, services.....	33.71
493	Taintor Brothers, stationery.....	1.00	563	J. B. Smith, specimens.....	550.00
494	J. C. Parker, stationery.....	7.90	564	J. C. Parker, supplies.....	2.50
495	C. H. Pond, stationery.....	11.00	565	G. B. Goode, travel.....	16.70
496	F. A. Schmidt, stationery.....	2.05	566	Independent Ice Company, sup- plies.....	45.60
497	Church & Stephenson, supplies..	7.60	567	.....do.....	34.02
498	J. T. Walker Sons, supplies.....	12.85	568	W. A. Whitten, specimens.....	40.00
499	Mutual District Messenger Com- pany, services.....	1.80	569	Turner Jenkins, services.....	1.00
500	H. Jeffreys, specimens.....	490.50	570	John Sellers & Son, supplies....	13.44
501	Charles Baum, supplies.....	1.50	571	Charles S. Galbraith, specimens..	12.00
502	Morgan Envelope Company, sup- plies.....	10.00	572	C. H. Pond, stationery.....	1.12
503	F. Miller, supplies.....	14.66	573	Washington Nailor, services.....	17.50
504	S. E. Ware, supplies.....	1.25	574	R. Stinzling, supplies.....	9.44
505	B. R. Scammell, supplies.....	86.52	575	John L. Gordon, specimens.....	12.00
506	J. T. Walker Sons, supplies.....	6.20	576	H. Baumgarten, stationery.....	1.50
507	National Disinfectant Manufact- uring Company, services.....	14.00	577	F. H. Butler, specimens.....	37.50
508	Wyckoff, Seamans & Co., sup- plies.....	8.70	578	W. Wesley & Son, books.....	35.50
509	W. H. Scheiffelin & Co., supplies..	41.60	579	Gurney & Jackson, books.....	4.48
510	Samuel Ward Co., stationery.....	2.40	580	A. Holder, books.....	4.96
511	M. Meigs, specimens.....	10.00	581	B. F. Stevens, books.....	5.40
512	George Rynear, jr., stationery.....	1.50	582	F. E. Chatard, jr., specimens....	25.00
513	Houghton, Mifflin & Co., books..	41.75	583	H. A. Ward, specimens.....	1,402.00
514	E. Morrison, stationery.....	26.72	584	A. E. Foote, specimens.....	15.00
515	A. E. Clark, services.....	82.67	585	Stephenson's Express, freight....	4.05
516	G. P. Merrill, travel.....	45.10	586	Photo-Engraving Company, books..	22.00
517	Clifford Wright, services.....	2.00	587	E. D. Walker, supplies.....	25.00
518	Pennsylvania R. R. Company, travel.....	20.00	588	R. Friedlander & Son, books....	19.54
519	E. E. Jackson & Co., supplies.....	1.20	589	F. G. Fry, specimens.....	100.00
520	Z. D. Gilman, supplies.....	22.89	590	E. Rey, specimens.....	73.58
521	L. H. Schneider's Sons, supplies..	.40	591	Leary & Co., books.....	3.35
522	Adams Express Company, freight..	58.35	592	J. W. Widdowson, specimens....	5.94
523	A. G. Gedney, supplies.....	30.00	593	Easton and Rupp, stationery.....	2.00
524	P. L. Jouy, specimens.....	769.50	594	Mrs. Edw. Greery, specimens....	856.25
525	G. W. Knox, freight.....	20.50	595	M. A. Healy, specimens.....	60.00
526	United States Express Com- pany, freight.....	57.00	596	F. Meder, specimens.....	70.00
527	Wm. Ballantyne & Son, station- ery.....	2.00	597	F. Keppel, specimens.....	188.45
528	H. Baumgarten, stationery.....	2.75	598	First Japanese Manufacturing Company, specimens.....	350.00
529	C. H. Pond, stationery.....	1.35	599	Joseph Palmer, supplies.....	15.00
530	J. H. Mills & Co., supplies.....	2.20	600	Tiffany & Co., specimens.....	538.25
531	H. E. Davidson, stationery.....	4.50	601	Gloucester Net Company, supplies	2.80
532	M. Joyce, supplies.....	3.00			
533	Photo-Engraving Company, sta- tionery.....	1.00			114,821.05
534	F. A. Schmidt, stationery.....	2.00			
535	Woodward & Lothrop, supplies..	22.38			
536	J. F. Paret, stationery.....	2.16			
537	Lansburgh & Bro., supplies.....	.95			
538	L. M. Cornwall, supplies.....	.96			
539	N. Brewer, supplies.....	30.42			
540	J. M. Sonthwick, specimens.....	5.25			
541	A. S. Witherbee & Co., books.....	2.20			
542	Mrs. Ed. Green, specimens.....	555.00			
			Deductions:		
			C. Ran, services.....		\$33.87
			W. S. Yeates, travel.....		.25
			W. S. Yeates, travel....		2.70
					86.82
			Total expenditures.....		114,784.23
			Balance, December 1, 1888.....		1,215.77

This balance is required to meet outstanding liabilities, especially railroad bills for freight and vouchers not presented for payment.

FURNITURE AND FIXTURES.

Appropriation for fiscal year ending June 30, 1888, for cases, furniture, fixtures, and appliances for the exhibition and safe-keeping of the collections of the National Museum, including salary or compensation of all necessary employés. [Public No. 148, p. 23]..... \$40,000.00

EXPENDITURES.

Engineer of property, work inspector, clerks and copyists.....	3,970.00	
Carpenters	7,807.75	
Painters	2,020.00	
Laborers	4,926.04	
Cleaners	480.00	
	<u>19,203.79</u>	
Furniture, fixtures, etc.....	20,770.25	
Total expenditures.....	39,974.04	
Balance, December 1, 1888	25.96	40,000.00

SALARIES AND WAGES.

[Many of these persons were employed only part of the year.]

SERVICES.

Classification.	Salary.	Classification.	Salary.
One engineer of property, at	\$150.00	One carpenter, at	†3.50
One work inspector, at	*100.00	Eleven carpenters, at	†3.00
One clerk, at	110.00	Two carpenters, at	†2.50
Do	90.00	One painter, at	50.00
Do	80.00	Do	†2.50
Do	50.00	Do	†2.00
One copyist, at	60.00	Two laborers, at	50.00
Three copyists, at	50.00	Four laborers, at	40.00
Two copyists, at	40.00	Eighteen laborers, at	†1.50
One copyist, at	30.00	Two cleaners, at	30.00

* For one month only.

† Per diem.

MATERIALS, ETC.

Exhibition-case frames	\$7,528.24
Designs and drawings for cases	305.00
Glass	3,445.16
Drawers trays, boxes, etc	803.26
Hardware, and interior fittings for cases	1,115.39
Iron brackets	126.90
Cloth, cotton, felt (lining for cases)	420.24
Glass jars and containers for specimens	274.49
Chemicals and apparatus	401.32
Lumber	2,323.44
Tools	206.38
Paints and oils	756.99
Office furniture and other fixtures	1,911.25
Plumbing, tin, lead, etc	921.04
Slate, tiles, etc	117.07
Brushes, brooms, pitchers, etc	29.50
Paper	49.50
Traveling expenses	35.08
	<u>20,770.25</u>

Detailed statement of expenditures from appropriation of \$40,000 for furniture and fixtures, 1887-'88.

	Items of expenditure.	Amount.		Items of expenditure.	Amount.
1	Pay-roll for July, services	\$1,502.00	70	C. H. Darcey, carpenter.....	\$51.00
2	Prosch Manufacturing Company photographic apparatus	28.50	71	Washington Brick Machine Com- pany, brick.....	15.00
3	Eimer & Amend, chemicals.....	24.10	72	Pay-roll for December, services	1,187.50
4	F. A. Belt, lumber	7.00	73	M. Wiegand, exhibition cases	52.00
5	Yale-Towne Manufacturing Com- pany, pulley-block	45.00	74	H. J. Brainerd, casters	20.00
6	W. W. Tupper & Co., furnace grates.....	156.12	75	G. A. Mills, trays	110.04
7	M. Wiegand, blocks	9.04	76	E. T. Jenks, keys	10.96
8	C. Ferber, labor	21.00	77	L. H. Schneider's Sons, hardware	17.93
9	George Kahl, labor.....	19.50	78	E. E. Jackson & Co., lumber.....	7.50
10	A. Elliott, labor	21.00	79	N. V. Randolph & Co., paper boxes	1.50
11	J. M. Coleman, carpenter.....	42.00	80	J. Lansburgh, chair.....	9.00
12	N. E. Harris, labor	21.00	81	C. W. Schenrmann, travel	11.20
13	Pay-roll for August, services	1,328.25	82	G. W. Smith & Co., exhibition cases	1,100.00
14	S. Gregg, carpenter	24.00	83	M. Wiegand, exhibition cases	600.00
15	C. Woodington, carpenter	36.00	84	W. E. Gavit, brackets	126.30
16	Pay-roll for September, services	2,222.50	85	Excelsior Varnish Works, varnish	34.50
17	O. H. Darcey, carpenter	18.00	86	H. Herpers, cork	15.00
18	Hayward & Hutchinson, plumb- ing	475.75	87	S. Lewis' Sons, tools	2.50
19	C. W. Schenrmann, travel	3.89	88	Morgan Envelope Company, paper	20.00
20	D. Shanahan, paints and brushes	58.86	89	W. B. Williams, door mats.....	10.00
21	J. Lansburgh, office furniture	19.60	90	J. C. Parker, stationery .....	.90
22	do	152.50	91	F. A. Belt, screen doors	13.75
23	Woodward & Lothrop, towels, cotton, etc	166.66	92	Robert Boyd, wire	10.88
24	Church & Stephenson, lumber	57.56	93	George P. Clark, rubber wheels	22.68
25	F. P. May & Co., hardware	176.91	94	J. Lansburgh, desk	31.00
26	E. P. Howland, photographic ap- paratus	2.00	95	W. S. Jenks & Co., grate	1.25
27	C. H. Pond, rubber stamps	9.50	96	John Lucas & Co., whitening	6.01
28	J. W. Barker, label-holders	5.00	97	N. V. Randolph & Co., trays.....	36.75
29	F. A. Schneider, hardware	85.41	98	Woodward & Lothrop, felt	3.45
30	Yale and Towne Manufacturing Company, blocks.....	96.00	99	F. A. Schneider, hardware	10.08
31	Holbrook Brothers, glass	20.50	100	C. K. Judson, index file	55.00
32	J. H. Bonnell & Co., inks for labels.....	29.50	101	F. Devoe & Co., paint	76.80
33	F. W. Devoe & Co., paints	157.97	102	W. B. Moses & Son, desk and chairs	53.99
34	Semon, Bache & Co., glass	315.00	103	Holbrook Brothers, glass	20.50
35	N. W. Randolph & Co., trays	75.60	104	F. V. Devoe & Co., paint	4.50
36	Pay-roll for October, services	2,118.50	105	Duncanson Brothers, wire	6.00
37	F. Miller, paints and brushes	49.57	106	D. Shanahan, paint	3.25
38	G. A. Mills, exhibition cases	570.00	107	Lansburgh & Bro., cloth	100.62
39	do	570.00	108	Z. D. Gilman, chemicals	74.27
40	J. C. Parker, copying-press and pads	51.00	109	W. H. Butler, paint	177.63
41	M. Wiegand, insect boxes	24.80	110	Air Brush Manufacturing Com- pany, air brush wheel.....	1.00
42	Thos. Somerville & Sons, lead	14.49	111	J. W. Queen & Co., photographic apparatus	26.60
43	E. Leitch & Sons, fittings for pipes	2.89	112	F. A. Schneider, hardware	32.75
44	T. A. Schneider, hardware	6.25	113	F. Miller, lanterns	1.00
45	W. H. Harrover, range	192.00	114	B. H. Shoemaker, glass	917.98
46	Church & Stephenson, lumber	355.20	115	G. A. Mills, exhibition cases	780.00
47	George Ryneal, jr., glass	78.84	116	G. Winneberger & Son, desk and chair	100.00
48	George Ryneal, jr., gold leaf	8.15	117	Church & Stephenson, lumber	99.47
49	W. B. Gray, plans for cases	105.00	118	Charles Baum, shades	1.00
50	G. A. Mills, table cases	360.00	119	George Ryneal, jr., paint	12.90
51	R. I. Reed, castings	1.00	120	F. P. May & Co., hardware	202.12
52	C. J. Ross, stipple paper	11.50	121	do	223.89
53	M. Wiegand, folding screens	89.50	122	Cancelled	
54	Pay-roll for November, services	1,796.50	123	C. H. Pond, rubber stamps	3.00
55	F. A. Belt, ladder rungs	1.80	124	F. A. Schneider, hardware .....	.80
56	Holbrook Brothers, glass	307.00	125	L. H. Schneider's Sons, hardware .....	.70
57	C. H. Pond, rubber stamps	12.25	126	G. A. Mills, exhibition cases	1,300.00
58	Yale and Towne Manufacturing Company, blocks.....	181.80	127	M. Wiegand, table cases	600.00
59	F. Miller, glass	742.50	128	W. E. Gavit, brackets and racks	81.00
60	W. T. Selby, repairing chairs	1.20	129	M. G. Copeland & Co., awnings	26.80
61	Church & Stephenson, lumber	417.30	130	J. Lansburgh, desk	62.10
62	G. A. Mills, exhibition cases	880.85	131	C. Dorfinger & Sons, glass bottles	112.50
63	C. Woodington, carpenter	51.00	132	Z. D. Gilman, photograph plates	35.90
64	M. Wiegand, exhibition cases	416.00	133	Gore, Janney & Co., file case	70.00
65	M. K. Welsh, carpenter	51.00	134	N. V. Randolph & Co., trays	14.16
66	Church & Stephenson, lumber	405.41	135	F. P. May & Co., hardware	36.51
67	Samuel Gregg, carpenter.....	51.00	136	E. G. Wheeler, wire	4.04
68	J. M. Barrett, labor	18.50	137	C. E. Hodgkin, glass	9.50
69	J. M. Coleman, carpenter.....	51.00	138	C. Dorfinger & Sons, glass jars	20.92
			139	Woodward & Lothrop, cloth	3.42
			140	E. T. Jenks, locks	22.75
			141	M. W. Beveridge, jars, buckets, brushes	156.98

EXPENDITURES FOR INTERNATIONAL EXCHANGE, ETC.

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Detailed statement of expenditures from appropriation, etc.—Continued.

Item of expenditure.		Amount.	Item of expenditure.		Amount.
142	J. Blake Kendall, tools	\$0.50	190	E. E. Jackson & Co., lumber	\$16.75
143	T. Somerville & Sons, iron railing	5.86	191	J. Blake Kendall, tools	1.75
144	J. W. Queen & Co., bottles	1.06	192	L. H. Schneider's Sons, hardware	44.96
145	J. M. Coleman, carpenter	42.00	193	N. V. Randolph & Co., file-boxes	25.00
146	Charles Woodington, carpenter	60.00	194	F. A. Schneider, hardware	12.14
147	George W. Dant, plasterer	10.00	195	W. B. Moses & Son, chairs	15.00
148	F. A. Belt, bird stands	186.11	196	Excelsior Varnish Works, asphalt	3.00
149	F. W. Devoe & Co., oil	64.68	197	Pay-roll for May, services	1,599.00
150	F. Miller, paints	26.15	198	Church & Stephenson, lumber	187.61
151	J. F. Manning & Co., tiles	3.50	199	W. Bartholomae, corks	2.50
152	M. Wiegand, exhibition case	157.95	200	W. Bruce Gray, drawings and plans	200.00
153	Church & Stephenson, lumber	211.41	201	Jos. Berres, carpenter	4.00
154	C. W. Schuermann, travel	4.34	202	Pay-roll for June, services	724.00
155	Pay-roll for January, services	1,457.00	203	H. Hempler, apparatus	3.00
156	Pay-roll for February, services	1,409.50	204	Church & Stephenson, lumber	137.46
157	Pay-roll for March, services	1,738.37	205	W. H. Butler, paints	25.00
158	E. N. Gray & Co., pulley	24.00	206	N. V. Randolph, trays	149.12
159	F. A. Schneider, hardware	38.75	207	Wyckoff, Seamans & Co., type-writer	85.00
160	J. H. Mills & Co., nippers	2.00	208	F. A. Russell, trays	59.75
161	N. V. Randolph & Co., trays	21.74	209	C. Dorringer, glass bottles	27.50
162	W. B. Williams, hooks and chains	7.15	210	Whitall, Tatum & Co., glass bottles	23.70
163	J. B. Van Sciver, hooks	7.87	211	T. Somerville & Sons, iron-work	15.05
164	J. Lansburgh, desk	14.50	212	G. Rynéal, jr., paint	2.60
165	L. H. Schneider's Sons, hardware	19.17	213	Z. D. Gilman, photograph plates	24.34
166	J. Lucas & Co., brushes	6.03	214	L. H. Schneider's Sons, hardware	15.92
167	H. W. Goodwin, cabinets	9.73	215	Yale and Towne Manufacturing Company, locks	2.75
168	Lansburgh & Bro., cloth	8.01	216	F. A. Schneider, wire	7.40
169	J. E. Watkins, travel	15.65	217	J. Lansburgh, desk	20.00
170	G. Rynéal, jr., paint	27.40	218	William Kerr, saw	1.50
171	J. W. Queen & Co. apparatus	188.20	219	J. Lansburgh, chairs	21.50
172	New York Fire Proof Paint Company, paint	45.00	220	C. K. Judson, file cabinet	25.50
173	Church & Stephenson, lumber	382.67	221	F. P. May & Co., hardware	215.31
174	F. P. May & Co., hardware	41.24	222	Gore, Jancy & Co., file case	100.00
175	M. W. Beveridge, buckets	5.58	223	Benz H. Shoemaker, glass	125.55
176	W. Ballantyne & Son, stand	5.00	224	W. B. Moses & Son, book-case	18.00
177	J. Zentmayer, photograph apparatus	19.00	225	F. H. Hopkins, files	.85
178	Lansburgh & Bro., cloth	63.92	226	Robert Boyd, hardware	.65
179	Z. D. Gilman, chemicals	17.72	227	F. P. May & Co., hardware	10.15
180	Woodward & Lothrop, cotton	17.10	228	L. H. Schneider's Sons, hardware	4.50
181	Pay-roll for April, services	1,506.67	229	F. W. Devoe & Co., paint	2.60
182	W. S. Richards & Co., dumb-waiter	175.00	230	D. Shanahan, paint	1.80
183	Trymby, Hunt & Co., tables and chairs	272.50	231	Holbrook Brothers, glass	522.50
184	F. P. May Co., hardware	66.01	232	W. C. Soudder & Son, lumber	45.00
185	B. H. Shoemaker, glass	322.30			
186	W. H. Butler, paints and glass	99.00			
187	Samuel Gregg, carpenter	21.00			
188	F. V. Devoe & Co., paint	118.80			
189	D. Shanahan, paint	3.25			
				Total expenditure	39,974.04
				Balance December 1, 1888	25.96

HEATING AND LIGHTING.

Appropriation for the fiscal year ending June 30, 1888, for expense of heating, lighting, and electrical and telephone service for the National Museum. [Public No. 148, p. 22] \$12,000.00

EXPENDITURES.

Engineer	\$1,440.00
Telegraph and telephone clerks	1,140.00
Firemen and machinists	3,473.36
Total services	6,053.36
Heating, lighting, and electrical expenses	5,942.94
Total expenditures	11,996.30
Balance December 1, 1888	3.70

12 EXPENDITURES FOR INTERNATIONAL EXCHANGE, ETC.

Salaries and wages.

Classification.	Salary.	Classification.	Salary.
<i>Services.</i>		<i>Heating, lighting, and electrical expenses.</i>	
One engineer, at	\$120. 00	Coal and wood	\$3, 014. 08
One telegraph clerk, at	40. 00	Gas	950. 98
One telephone clerk, at	55. 00	Telephones	771. 65
One fireman and machinist, at	65. 00	Electric work	436. 50
One fireman, at	50. 00	Rental of call boxes	130. 00
Eight temporary employes, at	50. 00	Heating repairs	639. 73

Detailed statement of expenditures from appropriation of \$12,000 for heating, lighting etc., for National Museum.

Items of expenditure.	Amount.	Items of expenditure.	Amount.
1 Pay-roll for July, services	\$348. 87	39 Pay-roll for January, services	\$630. 00
2 W. J. Green, electric work	70. 25	40 W. C. Lewis & Co., covering steam-	
3 Gas Company, gas	35. 26	41 pipes	37. 25
4 Chesapeake and Potomac Tele-		42 M. Lindsay, tubes .....	. 60
5 phone Company moving tele-		43 P. H. Canty, iron elbows .....	. 60
6 phones	15. 00	44 Robert Boyd, grate	1. 40
7 J. U. Burket & Co., wire	1. 20	45 Gas Company, gas	111. 01
8 Pay-roll for August, services	365. 00	46 Pay-roll for February, services	630. 00
9 Mutual District Messenger Com-		47 Pay-roll for March, services	630. 00
10 pany, rental of boxes	10. 00	48 T. Somerville & Sons, iron work	19. 90
11 G. C. Maynard, repairing electric		49 Chesapeake and Potomac Tele-	
12 clock	4. 05	50 phone Company, moving tele-	
13 Pay-roll for September, services	365. 00	51 phone	5. 00
14 Washington Gas Light Company,		52 Mutual District Messenger Com-	
15 gas	45. 63	53 pany, box rent	10. 00
16 V. Baldwin Johnson, coal	2, 770. 83	54 Washington Gas Company, gas	110. 39
17 Charles Thielecke, relining boiler		55 Chesapeake and Potomac Tele-	
18 grates	240. 00	56 phone Company, rent of 18 sets	
19 Chesapeake and Potomac Tele-		57 telephone	180. 00
20 phone Company, rent of 19 tele-		58 Pay-roll for April, services	530. 00
21 phones	190. 00	59 Mutual District Messenger Com-	
22 J. U. Burket & Co., repairing		60 pany, box rent	10. 00
23 bell .....	. 30	61 Washington Gas Company, gas	96. 64
24 Washington Gas-Light Company,		62 T. Somerville & Sons, pump	9. 63
25 gas	48. 89	63 S. Emery, coal	1. 85
26 Mutual District Messenger Com-		64 R. Boyd, iron	2. 50
27 pany, box rent	10. 00	65 Browning & Middleton, candles	1. 60
28 Pay-roll for October, services	412. 56	66 George Creveling, pine wood	19. 95
29 Mutual District Messenger Com-		67 V. Baldwin Johnson, coal	155. 70
30 pany, box rent	10. 00	68 Mutual District Messenger Com-	
31 Pay-roll for November, services	484. 99	69 pany, box rent	10. 00
32 S. Emery, coal	1. 85	70 Chesapeake and Potomac Tele-	
33 Gas Company, gas	65. 63	71 phone Co., moving telephone	2. 40
34 Mutual District Messenger Com-		72 Pay-roll for May, services	530. 00
35 pany, box rent	10. 00	73 Mutual District Messenger Com-	
36 Royce & Marean, care of electric		74 pany, box rent	10. 00
37 apparatus	215. 00	75 Gas Company, gas	83. 38
38 Gas Company, gas	81. 13	76 John Kennedy, hickory wood	32. 40
39 Pay-roll for December, services	606. 94	77 Pay-roll for June, services	530. 00
40 Mutual District Messenger Com-		78 Mutual District Messenger Com-	
41 pany, box rent	10. 00	79 pany, box rent	10. 00
42 T. Somerville & Sons, pipe	3. 99	80 Davidson Steam-pump Company,	
43 Gas Company, gas	89. 88	81 pump	150. 00
44 Royce & Marean, battery connect-		82 Chesapeake and Potomac Tele-	
45 ors	2. 40	83 phone Company, moving tele-	
46 T. Somerville & Sons, pipe and		84 phone	3. 00
47 couplings	50. 78	85 Chesapeake and Potomac Tele-	
48 Chesapeake and Potomac Tele-		86 phone Company, rental of 18 sets	
49 phone Company, moving tele-		87 telephone	180. 00
50 phone	6. 75	88 Mutual District Messenger Com-	
51 Mutual District Messenger Com-		89 pany, box rent	10. 00
52 pany, box rent	10. 00	90 Royce & Marean, electric service	130. 20
53 Chesapeake and Potomac Tele-		91 Gas-Light Company, gas	72. 51
54 phone Company, rent of 18 tele-		92 Royce & Marean, electric light	
55 phones and moving l	189. 50	93 wires	13. 10
56 T. Somerville & Sons, pipe and		94 J. Hammersley, repairing boilers	100. 00
57 valves	14. 76		
58 Gas Company, gas	110. 63	Total expenditure	11, 996. 30
59 V. Baldwin Johnson, coal	31. 50	Balance December 1, 1888	3. 70
60 W. C. Robinson & Co., signal oil	5. 50		
61 W. N. Bannard, lanterns	1. 22		

NORTH AMERICAN ETHNOLOGY.

Appropriation by Congress 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, March 3, 1887]..... \$40,000.00
 Expended during the year ending June 30, 1887..... 38,719.90

Balance July 1, 1888, required to meet outstanding liabilities..... 1,280.10

CLASSIFICATION OF EXPENDITURES.

Services and compensation:

One ethnologist, per annum, \$3,000.00
 Two ethnologists, at \$2,400 per annum 4,800.00
 Two ethnologists, at \$1,800 per annum 3,600.00
 Three assistant ethnologists, at \$1,500 per annum 4,500.00
 Four assistant ethnologists, at \$1,200 per annum 4,800.00
 One assistant ethnologist 1,000.00
 One assistant ethnologist 720.00
 One modeler 720.00
 One copyist 720.00
 Two ethnologic assistants, at \$600 per annum 1,200.00
 Three copyist assistants, at \$600 per annum 1,800.00
 One messenger, at \$600 per annum 600.00
 One translator 480.00
 One copyist 300.00

28,240.00

Unclassified, and paid by day 598.33

Total services and compensation 28,838.33

Traveling expenses 3,637.66
 Transportation of property 444.91
 Field subsistence 242.06
 Field supplies and expenses 2,431.04
 Field material 351.06
 Instruments 32.50
 Laboratory material 42.67
 Photographic material 116.17
 Books and maps 181.00
 Stationery and drawing materials 9.10
 Illustration for reports 926.30
 Goods for distribution to Indians 511.30
 Office furniture 85.00
 Office supplies and repairs 18.62
 Correspondence 6.49
 Specimens 844.95

38,719.16

Bonded railroad accounts settled by Treasury Department74

38,719.90

Sign language and picture writing 5,053.51
 Exploration of mounds, eastern portion of N. S. 8,208.83
 Researches in archæology, southwestern portion of N. S. 8,901.04
 Researches, language of North American Indians 9,631.21
 Exploration of ruins, New Mexico, ethnological collections 1,417.56
 Office services 3,436.77
 Illustrations for report 926.30
 Contingent expenses 298.99
 Collections and specimens 844.95

38,719.16

Bonded railroad accounts settled by Treasury Department74

38,719.90

14 EXPENDITURES FOR INTERNATIONAL EXCHANGE, ETC.

FINANCIAL STATEMENT.

By appropriation for North American ethnology	\$40,000.00
To amount expended to June 30, 1888, as per detailed state- ment of expenditures herewith	\$38,719.16
To amount of bonded railroad account settled at Treasury .....	.74
Balance on hand required to meet outstanding liabilities	1,280.10
	40,000.00

Washington, D. C., June 30, 1888.

JNO. D. MCCHESENEY,
Disbursing Agent Bureau of Ethnology.

DIRECTOR BUREAU OF ETHNOLOGY,
Washington, D. C.

Disbursements made by John D. McChesney, disbursing agent Bureau of Ethnology, during the third quarter of 1887.

Date of payment.	No. of voucher.	To whom paid.	For what paid.	Amount.
1887.				
July	26	1 Pennsylvania Railroad	Transportation of assistants	\$11.95
	26	2 H. L. Reynolds, jr.	Traveling expenses	4.05
	26	3 H. H. Nichols	Three drawings	4.50
	26	4 Photo-Engraving Company	Illustrations	29.10
	27	5 Horace M. Reeve	Preparation of drawings	34.50
	27	6 Mary Irvin Wright	do	55.50
	27	7 W. J. Hoffman	Traveling expenses	73.45
	28	8 Lucien M. Turner	Services	230.65
	31	9 A. McChesney	Services, July, 1887	25.00
	31	10 Gerard Fowke	do	100.00
	31	11 James D. Middleton	do	100.00
	31	12 Cyrus Thomas	do	200.00
	31	13 V. L. Thomas	do	50.00
	31	14 George Bushotter	do	39.00
	31	15 J. Owen Dorsey	do	150.00
	31	16 E. E. Jackson & Co	Office supplies	13.12
	31	17 George Ryneal, jr.	Artist's material	11.75
	31	18 Pay-roll of employes	Services, July, 1887	1,206.78
Aug.	1	19 W. J. Hoffman	do	100.00
	2	20 Eugene Boban	Ethnologic specimens	18.00
	2	21 E. W. Winship	Sixteen drawings	24.00
	2	22 C. M. Landon	Ethnologic specimens	25.00
	3	23 W. H. Lowdermilk & Co	Publications	49.25
	4	24 W. J. Hoffman	Traveling expenses	224.90
	9	25 Cyrus Thomas	do	17.65
	9	26 Gustav E. Stechert	Publications	4.00
	9	27 Husey, Howe & Co	Instruments	11.50
	9	28 Mary Irvin Wright	Nineteen drawings	28.50
	9	29 Baltimore and Potomac Railroad	Transportation of assistants	11.00
	11	30 H. L. Reynolds	Services, July 16 to 31, 1887	38.70
	16	31 Cyrus Thomas	Traveling expenses	56.40
	18	32 Bureau of Engraving and Printing	Modeling material	4.15
	24	33 Pennsylvania Railroad Company	Transportation of assistants	51.13
	24	34 Baltimore and Potomac Railroad	do	23.90
	25	35 M. E. McGraw	Indian records	4.00
	31	36 James D. Middleton	Services, August, 1887	100.00
	31	37 Henry L. Reynolds, jr	do	75.00
	31	38 Gerard Fowke	do	100.00
	31	39 Cyrus Thomas	do	200.00
	31	40 V. L. Thomas	do	50.00
	31	41 James D. Middleton	Traveling expenses	65.05
	31	42 Dunham, Buckley & Co	Merchandise for distribution to Indians	220.01
	31	43 Pay-roll of employes	Services, August, 1887	1,209.99
	31	44 A. McChesney	do	25.00
	31	45 W. J. Hoffman	do	100.00
	31	46 George Bushotter	do	40.00
31	47	47 Gerard Fowke	Traveling expenses	56.24
Sept.	3	48 George Ryneal, jr.	Artist's material	1.37
	3	49 Mary Irvin Wright	Ethnologic drawings	19.50
	3	50 Robert Boyd	Modeling material	2.10
	5	51 J. Owen Dorsey	Services, August, 1887	150.00
	7	52 S. J. Halselett	Field material	14.70
	8	53 John F. Paret	Instruments and drawing material	24.50
	12	54 Western Union Telegraph Com- pany	Telegrams, July, 1887	2.60

EXPENDITURES FOR INTERNATIONAL EXCHANGE, ETC. 15

Disbursements made by John D. McChesney, disbursing agent, etc.—Continued.

Date of payment.	No. of voucher.	To whom paid.	For what paid.	Amount.
1887.				
Sept. 13	55	Charles S. Cudlip.....	Photographic material and supplies...	\$94.82
15	56	Adams Express Company.....	Freight charges.....	4.25
15	57	Z. D. Gilman.....	Supplies for modeling purposes.....	3.70
16	58	F. Boas.....	Traveling material.....	22.50
19	59	H. L. Reynolds, jr.....	do.....	31.25
20	60	Mary Irwin Wright.....	Ten drawings.....	18.00
20	61	Baltimore and Ohio Railroad.....	Freight charges, February and May, 1887.....	1.25
30	62	James Mooney.....	Services, September, 1887.....	100.00
30	63	James D. Middleton.....	do.....	100.00
30	64	Cyrus Thomas.....	do.....	200.00
30	65	V. L. Thomas.....	do.....	50.00
30	66	J. Owen Dorsey.....	do.....	150.00
30	67	George Bushotter.....	do.....	40.00
30	68	Gerard Fowke.....	do.....	100.00
30	69	A. McChesney.....	do.....	25.00
30	70	Pay-roll of employes.....	do.....	1,209.99
30	71	Adams Express Company.....	Freight charges for July, 1887.....	1.75
30	72	Western Union Telegraph Company.....	Telegrams for August, 1887.....	.44
30	73	Cyrus Thomas.....	Traveling expenses.....	26.40
30	74	V. L. Thomas.....	do.....	21.37
30	75	James D. Middleton.....	do.....	72.25
30	76	Henry L. Reynolds, jr.....	do.....	71.85
30	77	Gerard Fowke.....	do.....	74.39
		Total.....		7,906.58

Disbursements made by Victor Mindeleff, special disbursing agent, Bureau of Ethnology, during the third quarter of 1887.

1887.				
Sept. 8	1	A. M. Stephen.....	Services.....	\$200.00
10	2	James Stevenson.....	Traveling expenses.....	56.63
13	3	J. Judell.....	Freight.....	20.00
13	4	Cosmos Mindeleff.....	Traveling expenses.....	27.50
13	5	Victor Mindeleff.....	do.....	27.50
14	6	John H. Hughes.....	Saddlery.....	65.25
13	7	E. J. Post & Co.....	Field material.....	59.33
16	8	S. E. Aldrich.....	do.....	20.50
19	9	M. T. Webb.....	Express.....	65.71
19	10	Lieut. B. H. Gilman.....	Subsistence.....	45.16
19	11	T. A. Brown.....	Forage.....	11.88
20	12	A. M. Stephen.....	Services.....	50.00
21	13	Thomas V. Keam.....	Field material.....	15.25
23	14	do.....	Subsistence.....	29.82
23	15	Ma-tcha-qua.....	Services.....	10.00
24	16	Punk-ti-me.....	do.....	5.00
24	17	Thomas V. Keam.....	Field material.....	37.15
29	18	Tene-chill.....	Forage.....	62.70
29	19	Pa-yutch-ho-ye.....	Subsistence.....	9.00
30	20	Thomas V. Keam.....	Hire, material, and forage.....	29.90
30	21	N. H. Adams.....	Services.....	34.66
30	22	E. J. Farnsworth.....	do.....	50.66
30	23	Kli-jin-o-wni-ta-ka.....	do.....	24.00
30	24	A. M. Stephen.....	do.....	50.00
		Total.....		1,007.60

Disbursements made by John D. McChesney, disbursing agent, Bureau of Ethnology, during the fourth quarter of 1887.

1887.				
Oct. 5	1	Henry L. Reynolds, jr.....	Services, September 1887.....	\$75.00
7	2	Herman Baumgarten.....	Office furniture.....	2.75
8	3	A. H. Brown.....	Traveling expenses.....	17.25
17	4	J. Curtin.....	Services, June, 1887.....	125.00
18	5	George W. Knox.....	Freight charges.....	4.07
18	6	Pennsylvania Company.....	Transportation of assistants.....	12.00
18	7	William J. Fisher.....	Alaska specimens.....	150.00

Disbursements made by John D. McChesney, disbursing agent, etc.—Continued.

Date of payment.	No. of voucher.	To whom paid.	For what paid.	Amount.
1887.				
Oct. 18	8	James G. Swan	Ethnologic specimens	\$199.50
24	9	Frank Sutton	Traveling expenses	22.60
24	10	Cyrus Thomas	Field expenses	9.54
26	11	Gerard Fowke	Traveling expenses	111.73
27	12	Atlantic and Pacific Railroad	Transportation of assistants	35.85
29	13	Henry L. Reynolds, jr.	Traveling expenses	110.63
31	14	James D. Middleton	Services, October, 1887	100.00
31	15	Gerard Fowke	do	100.00
31	16	V. L. Thomas	do	50.00
31	17	Henry L. Reynolds, jr.	do	75.00
31	18	Cyrus Thomas	do	200.00
31	19	J. Owen Dorsey	do	150.00
31	20	James Mooney	do	100.00
Nov. 31	21	Pay-roll of employés	do	1,249.99
2	22	J. Curtin	do	125.00
2	23	A. McChesney	do	25.00
2	24	Pennsylvania Railroad	Transportation of assistants	54.75
2	25	D. G. Brinton	Publications	3.00
2	26	Garrick Mallory	Traveling expenses	520.64
3	27	Browning & Middleton	Modeling material	1.00
5	28	New York, Lake Erie and West- ern Railroad	Transportation of assistants	53.25
5	29	James D. Middleton	Traveling expenses	102.70
5	30	Western Union Telegraph Com- pany	Telegrams	1.03
8	31	Gerard Fowke	Traveling expenses	57.71
9	32	Chicago and Alton Railroad	Transportation of assistants	12.50
9	33	Mary Irving Wright	Twenty ethnologic drawings	42.00
16	34	L. B. Patney	Forage of public animals	18.65
16	35	E. J. Post & Co.	Field material and supplies	37.55
16	36	Adams Express Company	Freight charges	95.15
19	37	A. Grunofeld	Supplies for distribution to Indians	260.19
19	38	Atlantic and Pacific Railroad	Freight charges	3.11
21	39	Henry L. Reynolds	Traveling expenses	51.66
21	40	Baltimore and Ohio Railroad	Freight charges .....	.45
23	41	Maurice Joyce	Services	15.08
23	42	Hensel, Bruckmann & Lorbacker	Freight charges	2.00
26	43	Western Union Telegraph Com- pany	Telegrams	1.55
25	44	Angeline Eagle	Services, September 20 to October 31, 1887	41.00
25	45	Joseph Scott Eagle	Services, September 18 to October 31, 1887	57.33
30	46	Cyrus Thomas	Services, November, 1887	200.00
30	47	V. L. Thomas	do	50.00
30	48	Gerard Fowke	do	100.00
30	49	Henry L. Reynolds, jr.	do	75.00
30	50	James Mooney	do	100.00
30	51	A. McChesney	do	25.00
30	52	E. E. Jackson & Co.	Modeling material	9.93
30	53	A. Grunofeld	Supplies for distribution to Indians	13.00
30	54	James Mooney	Traveling expenses	208.10
30	55	Pay-roll of employés	Services, November, 1887	1,524.99
Dec. 2	56	Joseph Scott Eagle	do	40.00
2	57	Angeline Eagle	do	30.00
2	58	Richard Shumway	Services, October 20 to November 30, 1887	69.35
1	59	Gerard Fowke	Traveling expenses	33.40
5	60	Richmond and Danville Railroad	Transportation of assistants	16.50
10	61	Robert Cameron	Repairs to Government wagon	21.75
10	62	J. W. Miller	Supplies for distribution to Indians	86.25
10	63	J. Judell	do	249.75
10	64	James Stevenson	Traveling expenses	106.35
10	65	do	Miscellaneous field expenses	74.40
12	66	Atchison, Topeka and Santa F6 Railroad	Transportation of assistants	89.55
15	67	George Rynear, jr.	Artist supplies	19.33
15	68	John A. Lee	Field material	18.23
17	69	James D. Middleton	Services, November, 1887	100.00
31	70	do	Services, December, 1887	100.00
31	71	Gerard Fowke	do	100.00
31	72	Henry L. Reynolds, jr.	Services, December, 1887	75.00
31	73	Cyrus Thomas	do	200.00
31	74	V. L. Thomas	do	50.00
31	75	A. McChesney	do	25.00
31	76	Zellhoeffer & Noedel	Subsistence, forage, etc.	68.69
31	77	H. Block	Subsistence and field supplies	3.30

EXPENDITURES FOR INTERNATIONAL EXCHANGE, ETC.

17

Disbursements made by John D. McChesney, disbursing agent, etc.—Continued.

Date of payment.	No. of voucher.	To whom paid.	For what paid.	Amount.
1887.				
Dec. 31	78	M. Wisburn	Meals, lodging, etc	\$34. 75
31	79	James Stevenson	Field material	1. 50
31	80	J. S. Topham	Repairs	3. 00
31	81	Pay-roll of employes	Services, December, 1887	1, 546. 71
31	82	James Mooney .....	..... do	100. 00
31	83	James C. Pilling	Traveling expenses	10. 45
		Total		10, 062. 81

Disbursements made by Victor Mindeloff, special disbursing agent, Bureau of Ethnology, during the fourth quarter of 1887.

1887.				
Oct. 3	1	Al-punni	Forage and subsistence	\$15. 86
5	2	Da-wa-ya-uma .....	..... do	26. 07
10	3	Adams & Burbage	Freight and field supplies	58. 40
22	4	Wah	Subsistence and forage	50. 00
31	5	J. Sullivan	Services	50. 00
31	6	Bed-ja-del-tzuzi .....	..... do	46. 50
Nov. 4	7	Thomas V. Keam	Subsistence and field expenses	173. 30
4	8	..... do	Forage	25. 00
4	9	R. J. Farnsworth	Services	95. 00
4	10	First Lieut. B. H. Gilman	Subsistence	35. 18
4	11	Ten Yotz	Forage and subsistence	3. 50
8	12	J. M. Weidemeyer	Forage	80. 00
19	13	A. M. Stephen	Services	150. 00
19	14	C. N. Cotton	Field expenses	160. 00
19	15	John H. Hughes	Saddlery	45. 71
19	16	First Lieut. B. H. Gilman	Forage	35. 52
21	17	J. M. Weidemeyer	Field expenses and subsistence	71. 03
22	18	..... do	Blacksmithing	37. 75
22	19	E. J. Post & Co	Field material	16. 85
22	20	Adams & Burbage	Field expenses (forage and subsistence)	117. 43
25	21	Ne-unga	Subsistence and forage	18. 00
26	22	W. B. Hains	Forage and subsistence	51. 98
29	23	..... do	Field expenses	82. 00
Dec. 10	24	W. H. Holmes	Traveling expenses	43. 25
10	25	..... do .....	..... do	32. 90
31	26	Chachiz-nez	Services	91. 50
31	27	C. N. Cotton	Field expenses	92. 00
31	28	Pa-yutch-ho-ye .....	..... do	18. 00
31	29	Kano	Forage	42. 00
31	30	James Burgett	Services	157. 50
		Total		1, 972. 23

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

1888.				
Jan. 5	1	James Stevenson	Traveling expenses	\$4. 00
6	2	Henry L. Reynolds, jr .....	..... do	26. 50
13	3	Robert Beall	Publications	25. 50
16	4	James D. Middleton	Traveling expenses	95. 55
16	5	Adams Express Company	Freight charges	9. 00
23	6	Illinois Central Railroad	Transportation of assistants	19. 65
31	7	Cyrus Thomas	Services, January, 1888	200. 00
31	8	V. L. Thomas .....	..... do	50. 00
31	9	Henry L. Reynolds, jr .....	..... do	75. 00
31	10	Gerard Fowke .....	..... do	100. 00
31	11	James D. Middleton .....	..... do	100. 00
31	12	A. McChesney .....	..... do	25. 00
31	13	C. F. Trill	Drawings	60. 00
31	14	Cyrus Thomas	Traveling expenses	43. 40
31	15	Mary Irvin Wright	Drawings	81. 50
31	16	Pay-roll of employes	Services, January, 1888	1, 628. 33
Feb. 1	17	George Ryneal, jr	Office supplies	1. 56
1	18	E. E. Jackson & Co	Lumber	9. 90
1	19	Frank Sutton	Traveling expenses	18. 50
2	20	W. Wallace Brown	Illustrations for reports	5. 00
9	21	George Creed .....	..... do	9. 00

18 EXPENDITURES FOR INTERNATIONAL EXCHANGE, ETC.

Disbursements made by John D. McChesney, etc.—Continued.

Date of payment.	No. of voucher.	To whom paid.	For what paid.	Amount.
1888.				
Feb. 10	22	W. H. Lowdermilk & Co.....	Publications.....	\$24.80
10	23	C. C. Royce.....	Services, October 1, 1887, to January 31, 1888.	200.00
15	24	Missouri Pacific Rwy.....	Transportation of assistants.....	15.00
15	25	Pennsylvania Railroad.....	do.....	22.00
20	26	Western Union Telegraph Company.	Telegrams.....	.42
21	27	C. F. Trill.....	28 drawings.....	67.20
24	28	Cosmos Mindeleff.....	Traveling expenses.....	78.20
29	29	Cyrus Thomas.....	Services, February, 1888.	200.00
29	30	V. L. Thomas.....	do.....	50.00
29	31	Henry L. Reynolds.....	do.....	75.00
29	32	Gerard Powke.....	do.....	100.00
29	33	James D. Middleton.....	do.....	100.00
29	34	A. McChesney.....	do.....	25.00
29	35	Gustav E. Stechert.....	Publications.....	43.13
29	36	Mary Irvin Wright.....	Drawings.....	37.00
29	37	Pay-roll of employes.....	Services, February, 1888.	1,628.33
Mar. 1	38	John A. McNiel.....	Services, January 1 to June 30, 1887	300.00
7	39	Adams Express Company.....	Freight charges.....	4.00
7	40	J. B. Holt.....	Publications.....	4.25
14	41	George Rynaal, jr.....	Artists' supplies.....	3.65
16	42	John F. Paret.....	Office furniture and supplies.....	2.00
31	43	James D. Middleton.....	Services, March, 1888.	100.00
31	44	Henry L. Reynolds, jr.....	do.....	75.00
31	45	Gerard Powke.....	do.....	100.00
31	46	Cyrus Thomas.....	do.....	200.00
31	47	V. L. Thomas.....	do.....	50.00
31	48	A. McChesney.....	do.....	25.00
31	49	Pay-roll of employes.....	do.....	1,628.33
31	50	Cyrus Thomas.....	Traveling expenses.....	11.11
31	51	V. L. Thomas.....	do.....	26.51
31	52	Illinois Central Railroad.....	Transportation of assistants.....	28.50
		Total.....		7,761.83

Disbursements made by Victor Mindeleff, special disbursing agent, Bureau of Ethnology, during the first quarter of 1888.

1888				
Jan. 6	1	Antonio Gonzales.....	Forage.....	\$30.39
7	2	T. W. James.....	Subsistence and forage.....	44.62
9	3	A. J. Boughton.....	Freighting.....	2.50
25	4	A. Watts & Co.....	Field expenses.....	78.80
24	5	R. J. Farnsworth.....	Services.....	190.00
24	6	N. H. Adams.....	do.....	195.00
27	7	Chas. C. Myers.....	Express.....	8.45
28	8	Antonio Gonzales.....	Forage.....	18.75
30	9	Cosmos Mindeleff.....	Traveling expenses.....	19.70
30	10	Lieut. B. H. Gilman.....	Forage.....	27.06
Feb. 9	11	J. W. Miller.....	Field expenses.....	43.35
16	12	Zellhoefer & Noedel.....	do.....	80.00
18	13	S. C. Aldrich.....	do.....	38.97
18	14	P. H. McGuire.....	Express.....	9.95
18	15	John H. Hughes.....	Saddlery.....	7.50
18	16	Zellhoefer & Noedel.....	Field expenses.....	13.15
18	17	Chas. C. Myers.....	Express.....	8.35
Mar. 6	18	A. Watts & Co.....	Field expenses.....	108.02
6	19	Kloh-je.....	Services.....	75.00
6	20	N. H. Adams.....	do.....	116.55
6	21	R. J. Farnsworth.....	do.....	170.94
6	22	A. Watts & Co.....	Field expenses.....	60.00
6	23	Chapo.....	Wood.....	18.00
6	24	Arizona Lumber Company.....	Subsistence.....	9.00
7	25	A. M. Stephen.....	Services.....	50.00
7	26	Victor Mindeleff.....	Traveling expenses.....	41.95
7	27	J. M. Weidemeyer.....	Field expenses.....	170.30
7	28	Thomas V. Kern.....	do.....	147.18
10	29	A. M. Stephen.....	Services.....	100.00
19	30	Victor Mindeleff.....	Traveling expenses.....	121.72
		Total.....		2,003.60

EXPENDITURES FOR INTERNATIONAL EXCHANGE, ETC.

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

Date of payment.	No. of voucher.	To whom paid.	For what paid.	Amount.
1888.				
Apr. 9	1	Adams Express Company	Freight charges	\$59.00
10	2	United States Express Company	do	4.20
13	3	T. E. Stevenson	Ethnologic drawings	230.00
17	4	W. H. Holmes	Traveling expenses	67.75
23	5	Pennsylvania Railroad	Transportation of assistants	45.55
26	6	George Ryneal, jr.	Instruments	5.00
30	7	Mary Irvin Wright	Drawings	54.10
30	8	V. L. Thomas	Services, April, 1888	50.00
30	9	Cyrus Thomas	do	200.00
30	10	James D. Middleton	do	125.00
30	11	Gerard Fowke	do	125.00
30	12	Henry L. Reynolds, jr.	do	75.00
30	13	A. McChesney	do	25.00
30	14	Pay-roll of employes	do	1,628.33
30	15	John Benyler	do	17.33
May 3	16	Atchison, Topeka and Santa Fe Railroad.	Transportation of assistants	37.35
8	17	Ward Batchelor, deceased	Specimens	200.00
11	18	Geo. W. Knox	Handling public property	1.50
11	19	Albert S. Gatschet	Cash paid for services	27.00
12	20	Atlantic and Pacific Railroad	Freight	.76
12	21	do	do	5.02
19	22	Mary Irvin Wright	Original drawings	25.50
23	23	M. W. Beveridge	Modeling supplies	1.75
23	24	Adams Express Company	Freight charges	.35
23	25	do	do	3.00
23	26	Cyrus Thomas	Traveling expenses	18.85
25	27	C. S. Cudlipp	Photographic supplies	6.35
31	28	Cyrus Thomas	Services, May, 1888	200.00
31	29	V. L. Thomas	do	50.00
31	30	Henry L. Reynolds, jr.	do	75.00
31	31	Gerard Fowke	do	125.00
31	32	James D. Middleton	do	125.00
31	33	A. McChesney	do	25.00
31	34	Pay-roll of employes	do	1,588.33
31	35	do	do	80.00
June 5	36	Illinois Central Railroad	Transportation of assistants	43.05
				5,350.07
5	37	Cyrus Thomas	Traveling expenses	22.91
13	38	Joseph F. Page	Office furniture	3.33
13	39	Robert Boyd	Office supplies	1.00
13	40	A. Zeno Shindler	Preparation of drawings	50.00
13	41	C. F. Trill	Original drawings	50.40
15	42	George Maier	Field material	2.50
20	43	United States Express	Freight	19.50
20	44	George Ryneal, jr.	Supplies	10.95
22	45	Mary Irvin Wright	Original drawings	33.00
26	46	John C. Parker	Type-writer	85.00
26	47	Albert S. Gatschet	Cash paid for services	29.00
28	48	Adams Express Company	Freight charges	6.50
30	49	Pay-roll of employes	Services, June, 1888	1,588.33
30	50	do	do	80.00
30	51	N. J. Smith	do	2.00
30	52	Gerard Fowke	do	125.00
30	53	Cyrus Thomas	do	200.00
30	54	V. L. Thomas	do	50.00
30	55	C. S. Cudlipp	Photographic supplies	15.00
30	56	A. McChesney	Pay for June, 1888	25.00
30	57	Cyrus Thomas	Traveling expenses	39.33
30	58	Henry L. Reynolds, jr.	Services, June, 1888	75.00
36	59	James D. Middleton	do	125.00
		Total		7,988.82

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

1888.				
May 1	1	Lieut. B. H. Gilman	Forage	\$15.69

Grand total of disbursements, \$38,719.16.