



Smithsonian Institution

National Museum of American History

1897 Mining Journal, Vulcan and Buck Mountain Collieries

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[[images at top of column 1 and at bottom]]
 [[data on first column rotated 90 degrees in a table]]
 [[first column]]

[[centered over table]] TABLE OF WAGES BY THE WEEK [[/centered]]

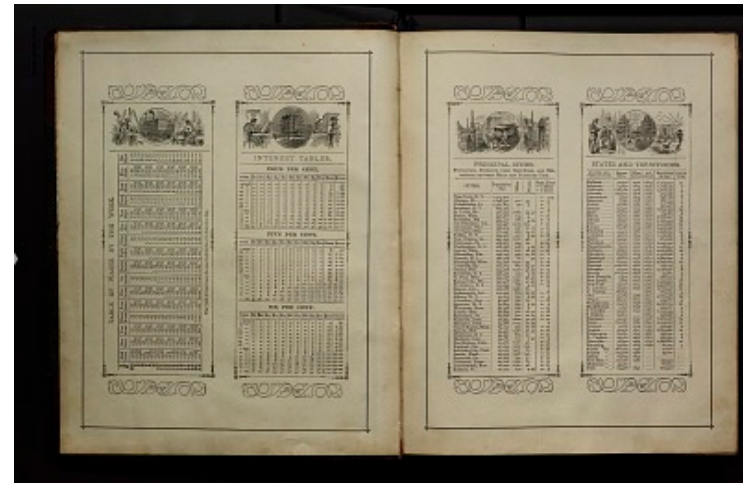
[[hours portion]]

Wages	Half	One	Two	Three	Four	Five	Six	Seven	Eight	Nine
hours.	hour.	hour.	hours.	hours.	hours.	hours.	hours.	hours.	hours.	hours.
\$3	.02 1/2	.05	.10	.15	.20	.25	.30	.35	.40	
.45										
4	.03 1/3	.06 2/3	.13 1/3	.20	.25 2/3	.33 1/3	.40	.46 2/3	.53	
1/3	.60									
5	.04 1/6	.08 1/3	.15 2/3	.25	.33 1/3	.41 2/3	.50	.58 1/3	.66	
2/3	.75									
6	.05	.10	.20	.30	.40	.50	.50	.70	.80	
.90										
7	.05 5/6	.11 2/3	.23 1/3	.35	.46 2/3	.58 1/3	.70	.81 2/3	.93	
1/3	1.05									
8	.06 2/3	.13 1/3	.26 2/3	.40	.53 1/3	.66 2/3	.80	.93 1/3		
1.06 2/3	1.20									
9	.07 1/2	.15	.30	.45	.60	.75	.90	1.05	1.20	
1.35										
10	.08 1/3	.16 2/3	.33 1/3	.50	.66 2/3	.83 1/3	1.00	1.16 2/3	1.33 1/3	1.50
1.33 1/3	1.50									
11	.09 1/6	.18 1/3	.36 2/3	.55	.73 1/3	.91 2/3	1.10	1.28 1/3	1.46 2/3	1.65
1.46 2/3	1.65									
12	.10	.20	.40	.50	.80	1.00	1.20	1.40	1.60	1.80
1.80										
13	.10 5/6	.21 2/3	.43 1/3	.65	.86 2/3	1.08 1/3	1.30	1.51 2/3	1.73 1/3	1.95
1.73 1/3	1.95									
14	.11 2/3	.23 1/3	.46 2/3	.70	.93 1/3	1.16 2/3	1.40	1.63 1/3	1.86 2/3	2.10
1.86 2/3	2.10									
15	.12 1/2	.25	.50	.75	1.00	1.25	1.50	1.75	2.00	2.25
2.25										
16	.13 1/3	.26 2/3	.53 1/3	.80	1.06 2/3	1.33 1/3	1.60	1.86 2/3	2.13 1/3	2.40
2.13 1/3	2.40									
17	.14 1/6	.28 1/3	.56 2/3	.85	1.13 1/3	1.41 2/3	1.70	1.98 1/3	2.26 2/3	2.55
2.26 2/3	2.55									
18	.15	.30	.60	.90	1.20	1.50	1.80	2.10	2.40	2.70
2.70										
19	.15 5/6	.31 2/3	.63 1/3	.95	1.26 2/3	1.58 1/3	1.90	2.21 2/3	2.53 1/3	2.85
2.53 1/3	2.85									
20	.16 2/3	.33 1/3	.66 2/3	1.00	1.33 1/3	1.66 2/3	2.00	2.33 1/3	2.66 2/3	3.00
2.66 2/3	3.00									
24	.20	.40	.80	1.20	1.60	2.00	2.40	2.80	3.20	3.60
3.60										

[[centered over table]] TABLE OF WAGES BY THE WEEK [[/centered]]

[[days portion]]

Wages	[[hours]]	One day.	Two days.	Three days.	Four days.	Five days.	Six days.
\$3	.50	1.00	1.50	2.00	2.50	3.00	
4	.66 2/3	1.33 1/3	2.00	2.66 2/3	3.33 1/3	4.00	
5	.83 1/3	1.66 2/3	2.50	3.33 1/3	4.16 2/3	5.00	
6	1.00	2.00	3.00	4.00	5.00	6.00	
7	1.16 2/3	2.33 1/3	3.50	4.66 2/3	5.83 1/3	7.00	
8	1.33 1/3	2.66 2/3	4.00	5.33 1/3	6.66 2/3	8.00	



9	1.50	3.00	4.50	6.00	7.50	9.00
10	1.66 2/3	3.33 1/3	5.00	6.66 2/3	8.33 1/3	10.00
11	1.83 1/3	3.66 2/3	5.50	7.33 1/3	9.16 2/3	11.00
12	2.00	4.00	6.00	8.00	10.00	12.00
13	2.16 2/3	4.33 1/3	6.50	8.66 2/3	10.83 1/3	13.00
14	2.33 1/3	4.66 2/3	7.00	9.33 1/3	11.66 2/3	14.00
15	2.50	5.00	7.50	10.00	12.50	15.00
16	2.66 2/3	5.33 1/3	8.00	10.66 2/3	13.33 1/3	
16.00						
17	2.83 1/3	5.66 2/3	8.50	11.33 1/3	14.16 2/3	
17.00						
18	3.00	6.00	9.00	12.00	15.00	18.00
19	3.16 2/3	6.33 1/3	9.50	12.66 2/3	15.83 1/3	
19.00						
20	3.33 1/3	6.66 2/3	10.00	13.33 1/3	16.66 2/3	
20.00						
24	4.00	8.00	12.00	16.00	20.00	24.00

This Table is based upon the usual calculation of 10 hours to a day.
 [[end first column]]

[[second column -- interest tables for four, five, and six per cent]]
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INTEREST TABLES.

FOUR PER CENT.

[[/centered]]

TIME	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
4 DAY	0	0	0	0	0	0	0	0	0	5	45	
8 "	0	0	0	0	0	0	0	1	1	9	89	
12 "	0	0	0	0	1	1	1	1	2	14	1.34	
16 "	0	0	0	0	1	1	1	2	2	18	1.78	
20 "	0	0	0	1	1	2	2	2	2	22	2.22	
24 "	0	0	1	1	2	2	2	3	3	27	2.67	
28 "	0	0	1	1	2	2	2	3	3	31	3.11	
1 MO.	0	0	1	2	2	2	3	3	3	4	34	3.34
2 "	0	2	2	3	4	4	5	6	6	7	67	6.67
3 "	1	2	3	4	5	6	7	8	9	10	1.00	10.00
6 "	2	4	6	8	10	12	14	16	18	20	2.00	20.00
1 YR.	4	8	12	16	20	24	28	32	36	40	4.00	40.00

[[centered over table]]

FIVE PER CENT.

[[/centered]]

TIME	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
4 DAY	0	0	0	0	0	0	0	0	0	6	56	
8 "	0	0	0	0	0	0	1	1	1	11	1.11	
12 "	0	0	0	0	1	1	1	2	2	17	1.67	
16 "	0	0	0	1	1	2	1	2	2	22	2.22	
20 "	0	0	1	1	2	2	2	2	3	28	2.28	
24 "	0	0	1	2	2	2	3	3	3	34	3.34	
28 "	0	1	1	2	2	3	3	3	4	39	3.39	
1 MO.	0	1	2	2	2	3	3	4	4	4	42	4.17
2 "	1	2	3	4	4	5	6	7	8	9	84	8.34
3 "	2	3	4	5	6	7	9	10	11	13	1.25	12.50
4 "	2	4	5	6	9	10	12	14	15	17	1.67	16.67
5 "	2	4	7	9	11	13	15	17	19	21	2.09	20.84

6 " 3 5 8 10 13 15 18 20 23 25 2.50 25.00
 1 YR. 5 10 15 20 25 30 35 40 45 50 5.00 50.00

[[centered over table]]

SIX PER CENT.

[[/centered]]

TIME	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
4 DAY	0	0	0	0	0	0	0	1	1	1	7	67
8 "	0	0	0	1	1	1	1	1	1	13	1.33	
12 "	0	0	1	1	1	1	2	2	2	20	2.00	
16 "	0	1	1	1	1	2	2	2	3	27	2.67	
20 "	1	1	1	2	2	2	2	3	3	33	3.33	
24 "	1	1	1	2	2	2	3	3	4	40	4.00	
28 "	1	1	1	2	2	3	3	4	4	5	47	4.67
1 MO.	1	1	2	2	3	3	4	4	5	5	50	5.00
2 "	1	2	3	4	5	6	7	8	9	10	1.00	10.00
3 "	2	3	5	6	8	9	11	12	14	15	1.50	15.00
4 "	2	4	6	8	10	12	14	16	18	20	2.00	20.00
5 "	3	5	8	10	13	15	18	20	23	25	2.50	25.00
6 "	3	6	9	12	15	18	21	24	27	30	3.00	30.00
1 YR.	6	12	18	24	30	36	42	48	54	60	6.00	60.00

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[[first column -- Principal Cities, Population, Distance from New-York,
 and Difference between Mean and Standard Time]]

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PRINCIPAL CITIES.

POPULATION, DISTANCE FROM NEW-YORK, AND DIFFERENCE
 BETWEEN MEAN AND STANDARD TIME.

[[/centered]]

CITIES.	Population	Miles.	Hours.	Stan. Time
1890.			- +	Mean Time

New-York, N. Y.....	1,513,501	....	....	- 4 m.
Chicago, Ill.....	1,098,576	912	24.	- 9
Philadelphia, Pa.....	1,044,894	90	2.	+ 1
Brooklyn, N. Y.....	804,377	....	....	- 4
St. Louis, Mo.....	450,245	1065	29.40	+ 1
Boston, Mass.....	446,507	234	5.	- 16
Baltimore, Md.....	433,547	188	4.09	+ 6
San Francisco, Cal...	297,990	3209	110.	+ 10
Cincinnati, Ohio	296,309	757	21.10	- 22
Cleveland, Ohio	261,546	585	14.20	+ 27
Buffalo, N. Y.....	254,457	410	8.40	+ 16
New Orleans, La.....	241,995	1371	48.	0
Pittsburgh, Pa.....	238,473	444	12.	+ 20
Washington, D. C.....	228,160	228	5.25	+ 8
Detroit, Mich.....	205,669	646	16.55	- 28
Milwaukee, Wis.....	204,150	997	27.10	- 8
Newark, N. J.....	181,518	10	.30	- 3
Minneapolis, Minn....	164,738	1332	39.	+ 12
Louisville, Ky.....	161,005	867	24.30	- 18
Omaha, Neb.....	139,526	1402	41.30	+ 14
Rochester, N. Y.....	138,327	374	7.17	+ 11
St. Paul, Minn.....	133,156	1322	38.40	+ 12

Kansas City, Mo.....	132,416	1385	41.30	+ 19
Providence, R. I.....	132,099	188	4.01	- 14
Denver, Colo.....	126,186	1982	60.	0
Indianapolis, Ind....	107,445	825	22.30	- 16
Albany, N. Y.....	93,523	145	2.45	- 5
Columbus, Ohio.....	90,398	540	17.	- 28
Syracuse, N. Y.....	87,877	293	5.50	+ 5
Worcester, Mass.....	84,536	190	5.	- 13
Toledo, Ohio	82,652	706	17.30	- 16
Richmond, Va.....	80,838	342	11.15	+ 10
Nashville, Tenn.....	76,309	1000	30.30	- 17
Memphis, Tenn.....	64,586	1244	44.30	0
Grand Rapids, Mich...	64,147	934	23.08	- 17
Lincoln, Neb.....	55,491	1460	30.30	+ 22
Charleston, S. C.....	54,592	803	31.	+ 24
Hartford, Conn.....	53,182	113	2.50	- 9
Des Moines, Iowa.....	50,067	1270	41.	+ 14
Portland, Ore.....	47,294	3232	135.	+ 20
Salt Lake City, Utah.	45,025	2471	72.	+ 28
Seattle, Wash.....	43,914	3358	142.	- 10
Savannah, Ga.....	41,762	904	31.	+ 24
Galveston, Texas	29,118	1782	63.	+ 19
Leavenworth, Kan.....	20,250	1369	41.	+ 20
Rutland, Vt.....	11,757	232	7.47	- 9

[[second column -- States and Territories]]
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 STATES AND TERRITORIES.
 [[/centered]]

STATES AND TERRITORIES.	Square Miles.	When Settled	Admitted.	Population in 1890	Elect'l Vote.
Alabama.....	52,250	1711	1819	1,513,017	11
Arkansas.....	53,850	1685	1836	1,128,179	8
California.....	158,360	1768	1850	1,208,130	9
Colorado.....	103,925	1806	1876	412,198	4
Connecticut....	4,990	1635	1789	746,258	6
Delaware.....	2,050	1638	1787	168,493	3
Florida.....	58,680	1565	1845	391,422	4
Georgia.....	59,475	1733	1789	1,837,353	13
Idaho.....	84,800	1860	1890	84,385	3
Illinois.....	56,650	1682	1818	3,826,351	24
Indiana.....	36,350	1702	1816	2,192,404	15
Iowa.....	56,025	1788	1837	1,911,896	13
Kansas.....	82,080	1719	1861	1,427,096	10
Kentucky.....	40,400	1787	1792	1,858,635	13
Louisiana.....	48,720	1699	1812	1,118,587	8
Maine.....	33,040	1635	1820	661,086	6
Maryland.....	12,210	1634	1789	1,042,390	8
Massachusetts..	8,315	1620	1789	2,238,943	15
Michigan.....	58,915	1670	1837	2,093,889	14
Minnesota.....	83,365	1819	1858	1,301,826	9
Mississippi....	46,810	1716	1817	1,289,600	9
Missouri.....	69,415	1764	1821	2,679,184	17
Montana.....	146,080	1860	1889	132,159	3
Nebraska.....	77,510	1854	1867	1,058,910	8

Nevada.....	110,700	1848	1864	45,761	3
New Hamp're....	9,305	1623	1789	376,530	4
New Jersey.....	7,815	1620	1789	1,444,933	10
New-York.....	49,170	1614	1789	5,997,853	36
N. Carolina....	52,250	1650	1789	1,617,947	11
N. Dakota.....	68,645	....	1889	182,719	3
Ohio.....	41,060	1788	1802	3,672,316	23
Oregon.....	96,030	1811	1859	313,767	4
Pennsylvania...	45,215	1638	1789	5,258,014	32
Rhode Island...	1,250	1636	1790	345,506	4
S. Carolina....	30,570	1690	1789	1,151,149	9
S. Dakota.....	79,800	....	1889	328,808	4
Tennessee.....	42,050	1750	1796	1,767,518	12
Texas.....	205,780	1685	1845	2,235,523	15
Vermont.....	9,565	1724	1791	332,422	4
Virginia.....	42,450	1607	1789	1,655,980	12
Washington.....	69,180	1845	1889	349,390	4
W. Virginia....	24,780	1607	1863	762,794	6
Wisconsin.....	56,040	1669	1847	1,686,880	12
Wyoming.....	97,890	1869	1890	60,705	3
Alaska Ter...	561,409	1741	....	40,000	....
Arizona " ...	113,020	1582	....	59,620	....
Indian " ...	64,609	1834			
New Mex. " ...	122,580	1582		153,593	
Oklahoma " ...	39,450			61,834	
Utah " ...	84,970	1847		207,905	

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National Museum of American History

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