

1888







THE
STANDARD

DIARY



PUBLISHED
FOR THE TRADE

CALENDAR.
1888.

	S	M	T	W	T	F	S		S	M	T	W	T	F	S	
JAN.	1	2	3	4	5	6	7		JULY.	1	2	3	4	5	6	7
	8	9	10	11	12	13	14			8	9	10	11	12	13	14
	15	16	17	18	19	20	21			15	16	17	18	19	20	21
	22	23	24	25	26	27	28			22	23	24	25	26	27	28
	29	30	31	...	...	...	...			29	30	31	...	...	...	...
FEB.	5	6	7	8	9	10	11		AUG.	5	6	7	8	9	10	11
	12	13	14	15	16	17	18			12	13	14	15	16	17	18
	19	20	21	22	23	24	25			19	20	21	22	23	24	25
	26	27	28	29	...	...	...			26	27	28	29	30	31	...
	...	...	...	...	1	2	3			...	...	...	...	...	...	...
MAR.	4	5	6	7	8	9	10		SEPT.	2	3	4	5	6	7	8
	11	12	13	14	15	16	17			9	10	11	12	13	14	15
	18	19	20	21	22	23	24			16	17	18	19	20	21	22
	25	26	27	28	29	30	31			23	24	25	26	27	28	29
	...	...	...	...	...	...	...			30	...	...	...	...	...	...
APRIL	1	2	3	4	5	6	7		OCT.	...	1	2	3	4	5	6
	8	9	10	11	12	13	14			7	8	9	10	11	12	13
	15	16	17	18	19	20	21			14	15	16	17	18	19	20
	22	23	24	25	26	27	28			21	22	23	24	25	26	27
	29	30	...	...	...	...	...			28	29	30	31	...	...	...
	...	...	1	2	3	4	5			...	...	...	...	1	2	3
MAY.	6	7	8	9	10	11	12		NOV.	4	5	6	7	8	9	10
	13	14	15	16	17	18	19			11	12	13	14	15	16	17
	20	21	22	23	24	25	26			18	19	20	21	22	23	24
	27	28	29	30	31	...	...			25	26	27	28	29	30	...
	...	...	...	...	...	...	...			...	...	...	...	...	...	...
JUNE.	3	4	5	6	7	8	9		DEC.	2	3	4	5	6	7	8
	10	11	12	13	14	15	16			9	10	11	12	13	14	15
	17	18	19	20	21	22	23			16	17	18	19	20	21	22
	24	25	26	27	28	29	30			23	24	25	26	27	28	29
	...	...	...	...	...	...	...			30	31	...	...	...	...	...

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RE OF L

$$\begin{array}{l} 1760 \text{ Yards} \\ 5280 \text{ Feet} \end{array} \left. \vphantom{\begin{array}{l} 1760 \\ 5280 \end{array}} \right\} = 1 \text{ Mile.}$$

MEASURE OF SURFACE

chain equal to 22 Yards or 100 Links.
 e Feet make 1 Square Rod.
 are Feet " 1 Acre.

MEASURE OF SOLIDITY.

Cubic Feet " 1 Cubic Yard.

VOIR DU POIS WEIGHT.

make	1	Drachm (dr.)	or	27 $\frac{3}{4}$	Grains.
ns	"	1	Ounce (oz.)	or	437 $\frac{1}{2}$
"	"	1	Pound (lb.)	or	7000
"	"	1	Quarter (qr.)		
rs	"	1	Hundred-Weight (cwt.)		
"	"	1	Ton.		
s	"	1	Ton.		

TROY WEIGHT.

make	1 Pennyweight,	or	24	Grains.
pts.	"	1 Ounce,	or	480
"	1 Pound,	or	5760	"

POTHECARIES' WEIGHT.

make 1 Scruple.	8 Drachms make 1 Ounce.
1 Drachm.	12 Ounces " 1 Pound.

table shows the number of pounds per law or custom, in the sale of articles in the several States of the Union.

[illegible]

INTEREST TABLE.

FOUR PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	1	11
3 "	0	0	0	0	0	0	0	0	0	0	3	33
5 "	0	0	0	0	0	0	0	0	0	0	5	55
1 Mo.	0	0	0	0	0	0	0	0	0	0	11	111
2 "	1	1	2	2	3	3	4	4	5	5	6	67
3 "	1	2	3	4	5	6	7	8	9	10	100	1000
4 "	1	2	3	4	5	6	7	8	9	10	100	1000
6 "	2	3	4	5	6	7	8	9	10	11	20	200
9 "	3	4	5	6	7	8	9	10	11	12	30	300
1 Yr.	4	8	12	16	20	24	28	32	36	40	400	4000

FIVE PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	1	14
3 "	0	0	0	0	0	0	0	0	0	0	4	42
5 "	0	0	0	0	0	0	0	0	0	0	7	69
1 Mo.	0	0	0	0	0	0	0	0	0	0	14	139
2 "	1	1	2	2	3	3	4	4	5	5	42	417
3 "	1	2	3	4	5	6	7	8	9	10	83	833
4 "	1	2	3	4	5	6	7	8	9	10	113	1250
6 "	2	3	4	5	6	7	8	9	10	11	167	1667
9 "	3	4	5	6	7	8	9	10	11	12	250	2500
1 Yr.	5	10	15	20	25	30	35	40	45	50	500	5000

SIX PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	2	17
3 "	0	0	0	0	0	0	0	0	0	0	5	50
5 "	0	0	0	0	0	0	0	0	0	0	8	83
1 Mo.	0	0	0	0	0	0	0	0	0	0	17	167
2 "	1	2	3	4	5	6	7	8	9	10	100	1000
3 "	1	2	3	4	5	6	7	8	9	10	150	1500
4 "	2	3	4	5	6	7	8	9	10	11	200	2000
6 "	3	4	5	6	7	8	9	10	11	12	300	3000
9 "	4	5	6	7	8	9	10	11	12	13	400	4000
1 Yr.	6	12	18	24	30	36	42	48	54	60	600	6000

INTEREST LAWS OF ALL THE STATES.

STATES AND TERRITORIES.	PENALTY OF USURY.	Legal.	Special.
Alabama	Loss of interest	8	.....
Arizona	No penalty	10	No limit.
Arkansas	Forfeiture of principal & interest.	6	10 per ct.
California	No penalty	7	No limit.
Colorado	No penalty	10	No limit.
Connecticut	No penalty	6	6 per ct.
Dakota	Forfeiture of contract	7	12 per ct.
Delaware	Forfeiture of contract	6	6 per ct.
District of Col.	Forfeiture of all interest	6	10 per ct.
Florida	No penalty	8	No limit.
Idaho	Forfeiture of excess	7	8 per ct.
Illinois	Forfeiture of 3 times excess of int.	10	18 per ct.
Indiana	Forfeiture of all interest	6	8 per ct.
Iowa	Forfeiture of int. over 6 per cent.	6	8 per ct.
Kansas	Forfeiture of interest and costs ..	6	10 per ct.
Kentucky	Forfeiture of excess over 12 per ct.	7	12 per ct.
Louisiana	Forfeiture of excess	6	6 per ct.
Maine	Forfeiture of interest	5	8 per ct.
Maryland	No penalty	6	No limit.
Massachusetts	Forfeiture of excess	6	6 per ct.
Michigan	No penalty—6 per ct. on judg'ts.	6	No limit.
Minnesota	Forfeiture of excess	7	10 per ct.
Mississippi	Forfeiture of contract	7	10 per ct.
Missouri	Forfeiture of all interest	6	10 per ct.
Montana	Forfeiture of all interest	6	10 per ct.
Nebraska	No penalty	10	No limit.
Nevada	Forfeiture of all interest & costs ..	7	10 per ct.
New Hampshire	No penalty	10	No limit.
New Jersey	Forfeiture of 3 times excess of int.	6	8 per ct.
New Mexico	Forfeiture of all interest	6	6 per ct.
New York	No penalty	6	12 per ct.
North Carolina	Forfeiture of contract*	6	6 per ct.
Ohio	Forfeiture of double amt't of int.	6	8 per ct.
Oregon	Forfeiture of excess	6	8 per ct.
Pennsylvania	Forfeiture of prin., int. & costs ..	6	8 per ct.
Rhode Island	Forfeiture of excess, Act of 1858.	6	8 per ct.
South Carolina	Forfeiture, unless by contract †.	6	No limit.
Tennessee	Forfeiture of interest	7	10 per ct.
Texas	Forfeiture of over 6 per cent.	6	6 per ct.
Utah	Forfeiture of interest	8	12 per ct.
Vermont	No penalty	10	No limit.
Virginia	Forfeiture of excess	6	7 per ct.
Washington	Forfeiture of excess	6	6 per ct.
West Virginia	No penalty	10	No limit.
Wisconsin	Forfeiture of excess	6	6 per ct.
Wyoming	Forfeiture of all interest	7	10 per ct.
	No penalty	12	No limit.

* Also punishable as a misdemeanor. Banks forfeit interest only, or double the interest if charged in advance.

† Also 6 per cent. on judgments.

NEW WEATHER SIGNALS.

[Adopted for general use by the United States Signal Service on and after March 1, 1887.]

INTERPRETATION OF SIGNALS.

No. 1.	No. 2.	No. 3.	No. 4.
White Flag.	Blue Flag.	Black Triangular Flag.	White Flag, Black Center.
			
Clear or Fair.	Rain or Snow.	Temperature.	Cold Wave.

No. 1, white flag, clear or fair weather, no rain. Number 2, blue flag, rain or snow. Number 3, black triangular flag, refers to temperature, and above numbers 1 or 2, indicates warmer weather; below numbers 1 or 2, colder weather, and when not displayed, stationary weather. Number 4, white flag with black center (cold-wave flag) sudden fall in temperature; this signal is usually ordered at least twenty-four hours in advance of the cold wave. It is not displayed unless a temperature of forty-five degrees, or less, is expected, nor is flag number 3 ever displayed with it.

DISPLAY EXAMPLES.

			
Fair Weather, Colder.	Warmer, Rain or Snow.		Fair Weather, Cold Wave.
			
	Warmer, Fair Weather, fol- lowed by Rain or Snow.		

RATE OF INCOME ON STOCKS.

Purchased at the following prices, (par value being \$100), and bearing interest at the following rates.

Paid.	3%	4%	5%	6%	7%	8%	9%
\$50.	6 00	8 00	10 00	12 00	14 00	16 00	18 00
55	5 45	7 27	9 09	10 90	12 72	14 55	16 36
60	5 00	6 67	8 33	10 00	11 66	13 33	15 00
65	4 62	6 15	7 69	9 23	10 76	12 30	13 85
70	4 28	5 71	7 14	8 57	10 00	11 42	12 85
75	4 00	5 33	6 66	8 00	9 33	10 66	12 00
80	3 75	5 00	6 25	7 50	8 75	10 00	11 25
85	3 53	4 70	5 88	7 05	8 23	9 41	10 58
90	3 33	4 44	5 55	6 66	7 77	8 88	10 00
91	3 30	4 40	5 49	6 59	7 69	8 79	9 89
92	3 26	4 34	5 43	6 52	7 60	8 70	9 78
93	3 23	4 30	5 38	6 45	7 53	8 60	9 68
94	3 19	4 26	5 32	6 38	7 45	8 51	9 57
95	3 15	4 21	5 26	6 31	7 36	8 42	9 47
96	3 13	4 17	5 21	6 25	7 29	8 33	9 38
97	3 09	4 12	5 15	6 18	7 22	8 25	9 28
98	3 06	4 08	5 10	6 12	7 14	8 16	9 18
99	3 03	4 04	5 05	6 06	7 07	8 08	9 09
101	2 97	3 96	4 95	5 94	6 93	7 92	8 91
102	2 94	3 92	4 90	5 88	6 86	7 84	8 82
103	2 91	3 88	4 85	5 83	6 80	7 77	8 74
104	2 88	3 85	4 81	5 77	6 73	7 69	8 65
105	2 86	3 80	4 76	5 71	6 66	7 61	8 57
106	2 83	3 77	4 72	5 66	6 60	7 55	8 49
107	2 80	3 74	4 67	5 61	6 54	7 48	8 41
108	2 78	3 70	4 63	5 56	6 48	7 41	8 33
109	2 75	3 67	4 59	5 50	6 42	7 34	8 26
110	2 72	3 63	4 54	5 45	6 36	7 27	8 18
115	2 60	3 48	4 34	5 21	6 08	6 95	7 83
120	2 50	3 33	4 16	5 00	5 83	6 66	7 50
130	2 30	3 07	3 84	4 61	5 38	6 15	6 92
140	2 14	2 86	3 57	4 28	5 00	5 71	6 43

VOTE FOR PRESIDENT—1884.

STATES.	POPULAR VOTE.					ELECTORAL VOTE.
	Blaine.	Cleveland.	Butler.	St. John.	Cleveland.	Blaine.
Alabama.....	59591	93951	873	612	10	.....
Arkansas.....	50895	72927	1847	.....	7	.....
California.....	102416	82383	2017	2920	.....	8
Colorado.....	36290	27723	1958	761	.....	3
Connecticut...	65923	67199	1688	2305	6	.....
Delaware.....	12951	25654	6	55	3	.....
Florida.....	28051	31766	.....	72	4	.....
Georgia.....	48603	94667	145	195	12	.....
Illinois.....	337474	312355	10910	12074	.....	22
Indiana.....	238463	244990	8293	3028	15	.....
Iowa.....	197089	177316	.....	1472	.....	13
Kansas.....	154406	90132	16341	4495	.....	9
Kentucky.....	118122	152961	1691	3139	13	.....
Louisiana.....	46347	62540	.....	.....	8	.....
Maine.....	72209	52140	3953	2160	.....	6
Maryland.....	85699	96932	531	2794	8	.....
Massachusetts...	146724	122481	24433	10026	.....	14
Michigan.....	192669	149835	42243	18403	.....	13
Minnesota.....	111923	70144	3583	4684	.....	7
Mississippi.....	43509	76510	.....	.....	9	.....
Missouri.....	202929	235988	.....	2153	16	.....
Nebraska.....	76912	54391	.....	2899	.....	5
Nevada.....	7193	5578	26	.....	.....	3
N. Hampshire...	43249	39183	552	1571	.....	4
New Jersey.....	123440	127798	3496	6159	9	.....
New York.....	562005	563154	16994	25016	36	.....
N. Carolina.....	125068	142952	.....	454	11	.....
Ohio.....	400082	368280	5179	11069	.....	23
Oregon.....	26860	24604	726	492	.....	3
Pennsylvania...	473804	392785	16902	15283	.....	30
Rhode Island...	19030	12391	422	928	.....	4
S. Carolina.....	21733	69890	.....	.....	9	.....
Tennessee.....	124078	133258	957	1131	12	.....
Texas.....	93141	225309	3321	3534	13	.....
Vermont.....	39514	17331	785	1752	.....	4
Virginia.....	139356	145497	.....	138	12	.....
W. Virginia...	63096	67317	810	939	6	.....
Wisconsin.....	161157	146459	4598	7656	.....	11
Total.....	4851981	4874986	175370	150369	219	182

POPULATION OF PRINCIPAL CITIES.

Cities having a population of 30,000 and upward, according to the United States Census of 1880.

Rank.	Rank.
21 Albany, N. Y.....	90,758
23 Allegheny, Pa. ...	78,682
49 Atlanta, Ga.....	37,409
7 Baltimore, Md.....	332,313
5 Boston, Mass.....	362,839
3 Brooklyn, N. Y....	566,663
13 Buffalo, N. Y.....	155,134
31 Cambridge, Mass.	52,669
44 Camden, N. J. ...	41,659
36 Charleston, S. C.	49,984
4 Chicago, Ill.	503,185
8 Cincinnati, Ohio.	255,139
11 Cleveland, Ohio.	160,146
33 Columbus, Ohio.	51,647
47 Dayton, Ohio ...	38,678
50 Denver, Col.	35,629
18 Detroit, Mich....	116,340
37 Fall River, Mass.	48,061
58 Gr'd Rapids, Mich.	32,016
60 Harrisburg, Pa...	30,762
43 Hartford, Conn...	42,015
59 Hoboken, N. J. ...	30,999
24 Indianapolis, Ind.	75,056
17 Jersey, City, N. J.	120,722
30 Kansas City, Mo.	55,785
46 Lawrence, Mass.	39,151
16 Louisville, Ky. ...	123,758
27 Lowell, Mass.	59,475
48 Lynn, Mass.	38,274
56 Manchester, N.H.	32,630
54 Memphis, Tenn...	33,592
19 Milwaukee, Wis.	115,587
38 Minn'ap'lis, Minn.	46,887
40 Nashville, Tenn.	43,350
15 Newark, N. J. ...	136,508
26 N. Haven, Conn.	62,882
10 New Orleans, La.	216,090
1 N. York, N. Y. ...	1,206,299
51 Oakland, Cal. ...	34,555
63 Omaha, Neb.....	30,518
34 Patterson, N. J.	51,031
2 Philadelphia, Pa.	847,170
12 Pittsburg, Pa. ...	156,389
53 Portland, Me....	33,810
20 Providence, R. I.	104,857
41 Reading, Pa.....	43,278
25 Richmond, Va. ...	63,600
22 Rochester, N. Y.	89,366
9 S'n Francisco, Cal.	233,959
62 Savannah, Ga. ...	30,709
39 Scranton, Pa. ...	45,850
55 Springfield, Mass.	33,340
57 St. Joseph, Mo. ...	32,431
6 St. Louis, Mo.....	350,518
45 St. Paul, Minn. ...	41,473
31 Syracuse, N.Y....	51,792
35 Toledo, Ohio.....	50,137
64 Trenton, N. J. ...	29,910
29 Troy, N. Y.....	56,747
52 Utica, N. Y.	33,914
14 Wash'gton, D.C.	147,293
61 Wheeling, W. Va.	30,737
42 Wilmington, Del.	42,478
28 Worcester, Mass.	58,291

STANDARD TIME.

In this Almanac the risings and settings of the Sun and Moon are given in local mean time, as heretofore. The Tides are given in STANDARD TIME.

To change to STANDARD TIME add or subtract the minutes as given below, according as they are marked *plus* or *minus*.

Correction for the following Cities.

Eastern Standard. 75° Longitude.	Minutes.	Central Standard. 90° Longitude.	Minutes.
Bangor, Me.	- 25	Cleveland, Ohio	- 33
Augusta, Me.	- 21	Columbus, Ohio	- 28
Portland, Me.	- 19	Detroit, Mich.	- 28
Boston, Mass.	- 16	Toledo, Ohio.	- 26
Newport, R. I.	- 15	Dayton, Ohio.	- 23
Providence, R. I.	- 14	Cincinnati, Ohio.	- 23
Concord, N. H.	- 14	Louisville, Ky.	- 18
New London, Conn.	- 11	Indianapolis, Ind.	- 16
Springfield, Mass.	- 10	Chicago, Ill.	- 10
Montpelier, Vt.	- 9	Milwaukee, Wis.	- 3
Hartford, Conn.	- 9	Springfield, Ill.	- 2
Montreal, Que.	- 6	Memphis, Tenn.	- 2
Albany, N. Y.	- 5	New Orleans, La.	- 2
New York, N. Y.	- 4	St. Louis, Mo.	+ 3
Utica, N. Y.	+ 1	Rock Island, Ill.	+ 1
Philadelphia, Pa.	+ 1	Dubuque, Iowa.	+ 3
Syracuse, N. Y.	+ 5	Burlington, Iowa.	+ 3
Baltimore, Md.	+ 6	St. Paul, Minn.	+ 5
Washington, D. C.	+ 8	Des Moines, Iowa.	+ 12
Rochester, N. Y.	+ 11	Kansas City, Mo.	+ 14
Buffalo, N. Y.	+ 16	Galveston, Texas	+ 18
Pittsburg, Pa.	+ 20	Omaha, Neb.	+ 20

Mountain Standard.

105° Longitude.

Denver, Col. 0
Salt Lake City, Utah, + 28

Pacific Standard.

120° Longitude.

Sacramento, Cal. + 16
San Francisco, Cal. + 10

RATES OF POSTAGE.

POSTAL CARDS, 1 cent each, *g* without further charge to all parts of the United States and Canada. Cards for foreign countries (within the Postal Union) 2 cents each. Postal Cards are unmailable with any writing or printing on the address side, except the direction, or with anything pasted upon or attached to them.

ALL LETTERS, to all parts of the United States and Canada, 2 cents for each ounce or fraction thereof.

LOCAL, OR "DROP" LETTERS, that is, for the city or town where deposited, 2 cents where the carrier system is adopted, and 1 cent where there is no carrier system.

FIRST CLASS.—Letters and all other written matter, whether sealed or unsealed, and all other matter sealed, nailed, sewed, tied, or fastened in any manner so that it cannot be easily examined, 2 cents for each ounce or fraction thereof.

SECOND CLASS.—Only for publishers and news-agents; 1 cent per pound.

NEWSPAPERS and Periodicals (regular publications) can be mailed by the public at the rate of 1 cent for each 4 ounces or fraction thereof.

THIRD CLASS.—Printed matter, in unsealed wrappers only (all matter inclosed in notched envelopes must pay letter rates), 1 cent for each two ounces or fraction thereof, which must be fully prepaid. This includes books, circulars, chromes, engravings, handbills, lithographs, music, pamphlets, proof-sheets and manuscript accompanying the same, reproductions by the electric pen, hektograph, metallograph, papyrograph, and, in short, any reproduction upon paper by any process except handwriting and the copying-press. Limit of weight 4 lbs., except for a single book, which may weigh more.

FOURTH CLASS.—All mailable matter not included in the three preceding classes which is so prepared for mailing as to be easily withdrawn from the wrapper and examined. Rate, 1 cent per ounce or fraction thereof. Limit of weight, 4 lbs. Full prepayment compulsory.

MONEY ORDERS.

For Orders not exceeding \$5	5 cents.
Exceeding \$5 and not exceeding \$10	8 "
" 10 " "	13 "
" 15 " "	18 "
" 20 " "	23 "
" 25 " "	28 "
" 30 " "	33 "
" 35 " "	38 "
" 40 " "	43 "
" 45 " "	48 "
" 50 " "	53 "
" 55 " "	58 "
" 60 " "	63 "
" 65 " "	68 "
" 70 " "	73 "
" 75 " "	78 "
" 80 " "	83 "
" 85 " "	88 "
" 90 " "	93 "
" 95 " "	98 "
" 100 " "	103 "

When a larger sum than \$100 is required, additional Orders to make it up must be obtained.

RATES OF POSTAGE.

POSTAL NOTES.

Upon payment of a fee of 3 cents each, Postal Notes for any amount under Five Dollars may be purchased at any Money-order Office, payable to bearer at any time within three calendar months from the last day of the month during which it was issued; but payable ONLY at such Money-order Office as the purchaser may select or at the office of issue.

FOREIGN POSTAGE.

The rates for letters are for the half ounce or fraction thereof, and those for newspapers for 2 ounces or fraction thereof—

To Great Britain and Ireland, France, Spain, all parts of Germany, including Austria, Denmark, Switzerland, Italy, Russia, Norway, Sweden, Turkey (European and Asiatic), Egypt, letters 5 cents, newspapers 1 cent for each 2 ounces or fraction thereof.

To Australia, letters, via San Francisco (except to New South Wales), 5 cents; via Brindisi, 15 cents; newspapers, via San Francisco, 2 cents; via Brindisi, 4 cents. China, letters, via San Francisco, 5 cents; via Brindisi, 13 cents, 4 cents for each paper not weighing over 4 ounces. British India, Italian mail, letters 5 cents, newspapers 1 cent for 2 ounces. Japan, letters, via San Francisco 5 cents, newspapers 1 cent for 2 ounces.

VALUES IN UNITED STATES MONEY

OF THE

PURE GOLD OR SILVER

REPRESENTING RESPECTIVELY THE MONETARY UNIT,
AND STANDARD COINS OF FOREIGN COUNTRIES.

The first section of the Act of March 3, 1873, provides, "that the value of Foreign Coin, as expressed in the money of account of the United States, shall be that of the pure metal of such coin of standard value," and that "the value of the standard coins in circulation of the various nations of the world shall be estimated annually by the Director of the Mint, and be proclaimed on the first day of January of the Secretary of the Treasury."

VALUE OF FOREIGN COINS.

The estimates of values contained in the following table are those made by the Director of the Mint, January 1st, 1877, in compliance with the above stated provisions of law.

COUNTRY.	MONETARY UNIT.	STANDARD.	VALUE.
			D. C. M.
Argentine Repub.	Peso	Gold & silv.	0 96 5
Austria	Florin	Silver	0 35 9
Austria	Florin	Gold	0 48 4
Belgium	Franc	Gold & silv.	0 19 3
Bolivia	Boliviano	Silver	0 72 7
Brazil	Milreis of 1000 reis.	Gold	0 54 6
British America.	Dollar	Gold	1 00 0
Central America.	Dollar	Silver	0 93 5
Chili	Peso	Gold & silv.	0 91 2
Cuba	Peso	Gold & silv.	0 93 2
Denmark	Crown	Gold	0 26 8
Ecuador	Sucre	Silver	0 72 7
Egypt	Piaster	Gold	0 4 9
France	Franc	Gold & silv.	0 19 3
German Empire.	Mark	Gold	0 23 8
Great Britain...	Pound sterling...	Gold	4 86 6½
Greece	Drachma	Gold & silv.	0 19 3
Hayti	Gourde	Gold & silv.	0 96 5
India	Rupce of 16 annas.	Silver	0 34 6
Italy	Lira	Gold & silv.	0 19 3
Japan	Yen	Gold	0 99 7
Japan	Yen	Silver	0 78 4
Liberia	Dollar	Gold	1 00 0
Mexico	Dollar	Silver	0 79 0
Netherlands ..	Florin	Gold & silv.	0 40 2
Norway	Crown	Gold	0 26 8
Peru	Sol	Silver	0 72 7
Porto Rico	Peso	Gold	0 92 5
Portugal	Milreis of 1000 reis.	Gold	1 08 8
Russia	Roubl. of 100 cop'ks	Silver	0 58 2
Sandwich Islands	Dollar	Gold	1 00 0
Spain	Pseta of 100 centim.	Gold & silv.	0 19 3
Sweden	Crown	Gold	0 26 8
Switzerland ..	Franc	Gold & silv.	0 19 3
Tripoli	Mahbub of 20 piast's	Silver	0 65 6
Turkey	Piaster	Gold	0 4 4
U. S. of Colombia	Peso	Silver	0 72 7
Uruguay	Patacon	Gold	0 94 8
Venezuela	Bolivar	Gold & silv.	0 19 3

PRESIDENTS OF THE UNITED STATES.

NAMES.	Born.	Installed.	Term of Office.	Died.	Native of
GEORGE WASHINGTON	Feb. 22, 1732	April 30, 1789	8 years.....	Dec. 14, 1799	Virginia.
JOHN ADAMS.....	Oct. 30, 1735	" " 4, 1797	4 " " " " " "	July 4, 1826	Mass.
THOMAS JEFFERSON.....	April 2, 1743	" " 4, 1801	8 " " " " " "	July 4, 1826	Virginia.
JAMES MADISON.....	April 16, 1751	" " 4, 1809	8 " " " " " "	June 28, 1837	" "
JAMES MONROE.....	April 28, 1759	" " 4, 1817	8 " " " " " "	July 28, 1835	Mass.
JOHN QUINCY ADAMS.....	July 11, 1767	" " 4, 1825	8 " " " " " "	Feb. 23, 1848	N. Carolina.
ANDREW JACKSON.....	March 15, 1767	" " 4, 1829	8 " " " " " "	June 8, 1845	New York.
MARTIN VAN BUREN.....	Dec. 5, 1782	" " 4, 1837	8 " " " " " "	July 24, 1862	Virginia.
MARTIN HARRISON.....	Feb. 9, 1773	" " 4, 1841	1 month.....	April 4, 1844	" "
JOHN TYLER.....	Mar. 29, 1790	April 6, 1841	3 yrs. 11 mos.	Jan. 17, 1862	N. Carolina.
JAMES K. POLK.....	Nov. 2, 1795	Mar. 4, 1845	4 years.....	July 15, 1849	Virginia.
ZACHARY TAYLOR.....	Nov. 24, 1784	Mar. 4, 1845	1 year 4 mos.	July 9, 1850	N. York.
MILLARD FILLMORE.....	Jan. 7, 1800	July 9, 1850	2 years 8 mos.	Mar. 8, 1874	N. Hamp.
FRANKLIN PIERCE.....	Nov. 23, 1797	Mar. 4, 1853	4 years.....	Oct. 8, 1869	Penn.
JAMES BUCHANAN.....	April 23, 1791	" " 4, 1861	4 " " " " " "	June 1, 1868	Kentucky.
ABRAHAM LINCOLN.....	Feb. 12, 1809	April 15, 1865	4 yrs. 40 days.	April 15, 1865	N. Carolina.
ANDREW JOHNSON.....	Dec. 29, 1808	Mar. 4, 1869	3 yrs. 10 1/2 mos.	July 31, 1875	Ohio.
ULYSSSES S. GRANT.....	April 27, 1822	" " 4, 1877	8 years.....	July 23, 1885	Vermont.
RUTHERFORD B. HAYES.....	Oct. 1, 1822	" " 4, 1881	6 1/2 months.....	Sept. 19, 1881	Ohio.
JAMES A. GARFIELD.....	Nov. 19, 1831	Sept. 20, 1881	3 yrs. 5 1/2 mos.	Nov. 18, 1886	New Jersey.
CHESTER A. ARTHUR.....	Oct. 5, 1830	Mar. 4, 1885			
GROVER CLEVELAND.....	Mar. 28, 1837				

THE METRIC SYSTEM.

WEIGHTS.

Metric Denominations and Values.	Equivalents in Denominations in use.
Names.	No. Weight of what quantity of Avoirdupois Grams, water at maximum density. Weight.
Miller or tonneau	= 1,000,000 = 1 cubic meter = 2204.6 pounds
Quintal	= 100,000 = 1 hectoliter = 220.46 pounds
Myriagram	= 10,000 = 10 liters = 22.046 pounds
Kilogram or kilo	= 1,000 = 1 liter = 2.2046 pounds
Hectogram	= 100 = 1 deciliter = 2.274 ounces
Dekagram	= 10 = 1 c. centimeter = 3.527 ounce.
Gram	= 1 = 1 c. centimeter = 15.432 grains.
Decigram	= .1 = 1 c. centimeter = 1.5432 grains.
Centigram	= .01 = 1 c. millimeter = .1543 grain.
Milligram	= .001 = 1 c. millimeter = .0154 grain.

MEASURES OF LENGTH.

Metric Denominations and Values.	Equivalents in Denominations in use.
Myriameter = 10,000 meters	= 6.2137 miles.
Kilometer = 1,000 meters	= 0.62137 m. or 3,280 ft. 10 in.
Hectometer = 100 meters	= 328 feet and 1 inch.
Dekameter = 10 meters	= 33.7 inches.
Meter = 1 meter	= 39.37 inches.
Decimeter = .1 of a meter	= 3.937 inches.
Centimeter = .01 of a meter	= 0.3937 inch.
Millimeter = .001 of a meter	= 0.0394 inch.

MEASURES OF SURFACE.

Metric Denominations and Values.	Equivalents in Denominations in use.
Hectare = 10,000 square meters	= 2.471 acres.
Are = 100 square meters	= 119.6 square yards.
Centare = 1 square meter	= 1.550 square inches.

MEASURES OF CAPACITY.

Metric Denominations and Values.		Equivalents in Denominations in use.		
Names.	No. Liters.	Cubic Measure.	Dry Measure.	Wine Measure.
Kiloliter	= 1,000	= 1 cubic meter	= 1.308 cubic yards	= 264.17 galls.
Hectoliter	= 100	= 1 cubic meter	= 2 bush. 3.35 pks.	= 26.417 galls.
Decaliter	= 10	= 10 c. decimeters	= 9.08 quarts	= 2.6417 galls.
Liter	= 1	= 1 c. decimeter	= 0.908 quart	= 1.0567 quarts.
Deciliter	= .1	= 1 c. decimeter	= 6.1022 cubic inch	= 0.845 gill.
Centiliter	= .01	= 10 c. centimeters	= 61.022 cubic inch	= 0.838 fluid oz.
Milliliter	= .001	= 1 c. centimeter	= 0.061 cubic inch	= .73 fluid dr.

FESTIVALS AND FASTS.

Epiphany	Jan. 6
Septuagesima Sunday	Jan. 29
Quinquagesima—Shrove Sunday	Feb. 12
Ash Wednesday	Feb. 15
First Sunday in Lent	Feb. 19
St. Patrick	Mar. 17
Palm Sunday	Mar. 25
Good Friday	Mar. 30
Easter Sunday	April 1
Low Sunday	April 8
Rogation Sunday	May 10
Ascension Day—Holy Thursday	May 20
Pentecost—Whit Sunday	May 27
Trinity Sunday	May 31
Corpus Christi	June 24
St. John Baptist	Sept. 29
Michaelmas Day	Nov. 30
St. Andrew	Dec. 2
First Sunday in Advent	Dec. 25
Christmas Day	Dec. 25

MORNING AND EVENING STARS.

MERCURY will be Evening Star about February 17, June 12, and October 7; and Morning Star about March 30, July 29, and November 17.

VENUS will be Morning Star till July 11; and Evening Star the rest of the year.

JUPITER will be Morning Star till May 22; then Evening Star till December 8; and Morning Star again the rest of the year.

CHRONOLOGICAL CYCLES.

Dominical Letters	A. G.
Epact	17
Lunar Cycle, or Golden Number	8
Solar Cycle	28
Roman Indiction	660
Julian Period	660

ECLIPSES FOR THE YEAR.

In the year 1888 there will be five Eclipses; three of the Sun and two of the Moon.

I. A TOTAL ECLIPSE OF THE MOON, January 28, Visible more or less to the world generally, except to the Pacific Ocean. Occurring as follows:—

	Eastern Standard.	Central Standard.	Mountain Standard.
Moon enters Penumbra	28 5 27 A.	28 2 27 A.	28 1 27 A.
Moon enters Shadow	28 4 30 "	28 5 30 "	28 3 30 "
Total Eclipse begins	28 5 31 "	28 4 31 "	28 3 31 "
Middle of Eclipse	28 6 20 "	28 5 20 "	28 4 20 "
Total Eclipse ends	28 7 9 "	28 6 9 "	28 5 9 "
Moon leaves Shadow	28 8 9 "	28 7 9 "	28 6 9 "
Moon leaves Penumbra	28 9 12 "	28 8 12 "	28 7 12 "

Magnitude of Eclipse = 1.647, (Moon's diameter = 1).

II. A PARTIAL ECLIPSE OF THE SUN, February 11. Invisible. Visible to the Antarctic Ocean and southern Patagonia.

III. A PARTIAL ECLIPSE OF THE SUN, July 9. Invisible. Visible to the southern Indian Ocean.

IV. A TOTAL ECLIPSE OF THE MOON, July 22-23. Visible to the larger part of the world, except eastern Europe and Asia. Happening as follows:—

	Eastern Standard.	Central Standard.	Mountain Standard.
Moon enters Penumbra	22 9 55 A.	22 8 55 A.	22 7 55 A.
Moon enters Shadow	22 10 34 "	22 9 34 "	22 8 34 "
Total Eclipse begins	22 11 35 "	22 10 35 "	22 9 35 "
Middle of Eclipse	23 0 45 M.	22 11 45 "	22 10 45 "
Total Eclipse ends	23 1 36 "	23 0 36 M.	22 11 36 "
Moon leaves Shadow	23 2 55 "	23 1 55 "	23 0 55 M.
Moon leaves Penumbra	23 3 34 "	23 2 34 "	23 1 34 "

Magnitude of Eclipse = 1.825, (Moon's diameter = 1).

V. A PARTIAL ECLIPSE OF THE SUN, August 7. Invisible. Visible to the Arctic Ocean and adjacent regions, including Norway and Sweden.

TIDE TABLE

(The following values are derived from late determinations of the United States Coast Survey.)

To find the time (Standard Time) of High Water at any of the following places, add or subtract the hours and minutes opposite the name of place in the following Table, to or from the hours and minutes of High Water at NEW YORK for the required day, as found in the *Calendar Page*.

EASTERN STANDARD.				Mean range.
	H.	M.	Feet.	
Portland, Me.	add	2 55	9.1	
Portsmouth, N. H.	"	3 3	8.6	
Salem, Mass.	"	2 54	9.2	
Nantucket, Mass.	"	4 15	3.0	
Vineyard Haven, Mass.	"	3 22	1.6	
Wood's Hole, South Side, Mass.	"	0 14	1.6	
New Bedford Entrance } (Dumpling Rock), Mass. }	sub.	0 20	3.7	
Newport, R. I.	"	0 33	3.9	
Point Judith, R. I.	"	0 45	3.1	
Sandy Hook, N. J.	"	0 36	4.7	
Watch Hill, R. I.	add	0 44	2.7	
Stonington, Conn.	"	0 52	2.7	
New London, Conn.	"	1 12	2.5	
New Haven, Conn.	"	2 57	6.0	
Throg's Neck, N. Y.	"	3 12	7.3	
Cape May Landing, N. J.	"	0 16	4.8	
Philadelphia, Penn.	"	5 42	6.0	
Annapolis, Md.	sub.	3 19	0.9	
Baltimore, Md.	"	1 24	1.3	
Richmond, Va.	"	3 25	3.6	
Beaufort, N. C.	"	0 35	2.8	
Charleston (C. H. Wharf), S. C.	"	0 19	5.1	
CENTRAL STANDARD.				
Fort Pulaski (Savannah Ent.), Ga.	"	1 22	6.9	
Savannah (Dry Dock Wharf), Ga.	"	0 25	6.5	
St. Augustine, Fla.	"	0 17	4.1	
Key West, Fla.	add	1 4	1.2	
Tampa Bay (Egmont Key), Fla.	"	2 49	1.2	
Cedar Keys (Depot Key), Fla.	"	4 52	1.9	



MOON'S PHASES.	BOSTON.	CHICAGO.
Last Quarter,	6d. 6h. 42m. a.m.	6d. 5h. 42m. a.m.
New Moon,	13d. 2h. 28m. a.m.	13d. 2h. 28m. a.m.
First Quarter,	20d. 11h. 40m. p.m.	20d. 10h. 40m. p.m.
Full Moon,	28d. 6h. 19m. p.m.	28d. 6h. 19m. p.m.

1888 BOSTON & CHICAGO. NEW YORK & PHILA.									
D. of M.	Day of M.	Bost. Tide.				D. of M.	N. Y. Tide.		
		Sun R. & S. A. M.	Morn's A. M.	Even's A. M.	Moon R. & S. A. M.		Sun R. & S. A. M.	Morn's A. M.	Even's A. M.
1	S	7 30	0 26	0 49	7 14	1	7 25	9 47	10 10
2	Mo	8 39	1 12	1 36	8 21	2	8 44	10 32	10 54
3	Tu	7 30	1 59	2 23	9 30	3	7 25	11 17	11 43
4	We	8 41	2 47	3 11	10 40	4	8 46	....	0 9 10
5	Th	7 30	3 36	4 2	11 50	5	7 25	0 35	1 11 50
6	Fr	8 43	4 30	4 57	morn	6	8 48	1 28	1 57 morn
7	Sa	7 30	5 30	6 1	1 0	7	7 25	2 29	3 1
8	S	8 45	6 33	7 5	2 11	8	8 45	3 32	4 2
9	Mo	7 29	7 37	8 3	3 22	9	7 24	4 33	5 5
10	Tu	8 47	8 38	9 8	4 32	10	8 52	5 36	6 6
11	We	7 29	9 38	10 6	5 39	11	7 24	6 36	7 4
12	Th	8 40	10 33	10 58	6 39	12	8 54	7 29	8 42
13	Fr	7 28	11 22	11 45	sets.	13	7 23	8 17	8 42 sets.
14	Sa	8 51	....	0 8	6 26	14	8 54	9 6	9 29
15	S	7 27	0 30	0 53	7 29	15	7 23	9 51	10 12
16	Mo	8 44	1 15	1 36	8 31	16	8 48	10 32	10 51
17	Tu	7 26	1 57	2 18	9 32	17	7 22	11 12	11 35
18	We	8 46	2 38	2 58	10 32	18	8 51	11 54	....
19	Th	7 25	3 18	3 39	11 30	19	7 21	0 16	0 38
20	Fr	8 49	4 1	4 23	morn	20	8 53	1 0	1 23 morn
21	Sa	7 24	4 47	5 12	0 27	21	7 20	1 46	2 11
22	S	8 51	5 38	6 1	1 25	22	8 55	2 36	3 2
23	Mo	7 23	6 31	6 59	2 24	23	7 18	3 29	3 56
24	Tu	8 5	7 27	7 55	3 23	24	8 5	4 23	4 50
25	We	7 21	8 22	8 49	4 21	25	7 17	5 18	5 46
26	Th	8 6	9 16	9 43	5 18	26	8 10	6 14	6 40
27	Fr	7 20	10 9	10 34	6 12	27	7 15	7 6	7 30
28	Sa	8 5	10 59	11 22	rises	28	8 5	7 53	8 17 rises
29	S	7 18	11 45	....	6 8	29	7 14	8 41	9 6
30	Mo	8 11	0 8	0 31	7 18	30	8 15	9 30	9 52
31	Tu	7 16	0 54	1 17	8 29	31	7 12	10 14	10 35



MOON'S PHASES.

Last Quarter, . . .	4d. 2h. 20m. p.m.
New Moon, . . .	11d. 6h. 52m. p.m.
First Quarter, . . .	19d. 8h. 50m. p.m.
Full Moon, . . .	27d. 6h. 57m. a.m.

BOSTON.

CHICAGO.

4d. 1h. 20m. p.m.
11d. 5h. 52m. p.m.
19d. 7h. 50m. p.m.
27d. 5h. 57m. a.m.

1888 BOSTON & CHICAGO.

D. of M.	Day of Week.	BOST. TIDE.				N. Y. TIDE.			
		Sun R. & S. h. m.	Morn'g h. m.	Eve'n'g h. m.	Moon R. & S. h. m.	Sun R. & S. h. m.	Morn'g h. m.	Eve'n'g h. m.	Moon R. & S. h. m.
1	We	17 15	1 40	2 3	9 40	1 7 11	10 57	11 21	9 40
2	Th	15 15	2 26	2 50	10 51	2 55 18	11 47	....	10 50
3	Fr	17 13	3 15	3 40	morn	3 7 7	0 13	0 39	11 59
4	Sa	15 18	4 7	4 36	0 1	4 35 21	1 6	1 35	morn
5	Su	17 10	5 7	5 40	1 11	5 7 7	2 6	2 38	1 8
6	Mo	15 20	6 13	6 46	2 21	6 35 23	3 10	3 43	2 17
7	Tu	17 8	7 19	7 52	3 28	7 17 5	4 16	4 49	3 24
8	We	15 23	8 24	8 54	4 20	8 35 26	5 21	5 51	4 24
9	Th	17 6	9 23	9 50	5 24	9 17 2	6 20	6 48	5 19
10	Fr	15 25	10 16	10 41	6 13	10 35 28	7 13	7 36	6 9
11	Sa	17 3	11 4	11 25	sets.	11 17 0	7 58	8 19	sets.
12	Su	15 28	11 45	....	6 17	12 35 31	8 41	9 3	6 20
13	Mo	17 0	0 5	0 25	7 18	13 15 38	9 23	9 43	7 20
14	Tu	15 3	0 45	1 4	8 18	14 35 33	10 2	10 20	8 19
15	We	17 58	1 23	1 42	9 17	15 15 55	10 37	10 55	9 17
16	Th	15 33	2 1	2 10	10 15	16 35 36	11 14	11 34	10 14
17	Fr	17 55	2 38	2 58	11 13	17 16 53	11 55	....	11 11
18	Sa	15 36	3 18	3 40	morn	18 35 38	0 16	0 39	morn
19	Su	17 52	4 3	4 27	0 11	19 16 50	1 2	1 26	0 8
20	Mo	15 38	4 52	5 20	1 10	20 35 40	1 51	2 19	1 6
21	Tu	17 49	5 49	6 18	2 8	21 16 47	2 47	3 16	2 4
22	We	15 41	6 48	7 19	3 5	22 35 43	3 45	4 15	3 0
23	Th	17 46	7 49	8 19	3 59	23 16 44	4 45	5 16	3 54
24	Fr	15 43	8 49	9 18	4 50	24 35 50	5 46	6 15	4 45
25	Sa	17 43	9 45	10 12	5 37	25 16 41	6 43	7 9	5 33
26	Su	15 46	10 37	11 1	6 18	26 35 48	7 33	7 55	6 15
27	Mo	17 40	11 24	11 46	ris.	27 16 38	8 18	8 42	ris.
28	Tu	15 48	....	0 9	7 22	28 35 50	9 7	9 30	7 23
29	We	17 37	0 32	0 55	8 36	29 16 35	9 53	10 15	8 36
30	Th	15 50	....	....	....	....	....	....	....
31	Fr	17 50	....	....	....	....	....	....	....



MOON'S PHASES.

Last Quarter, . . .	4d. 10h. 20m. p.m.
New Moon, . . .	12d. 11h. 21m. a.m.
First Quarter, . . .	20d. 3h. 43m. p.m.
Full Moon, . . .	27d. 5h. 7m. p.m.

BOSTON.

CHICAGO.

4d. 9h. 25m. p.m.
12d. 10h. 21m. a.m.
20d. 2h. 43m. p.m.
27d. 4h. 7m. p.m.

1888 BOSTON & CHICAGO.

NEW YORK & PHILA.

D. of M.	Day of Week.	BOST. TIDE.				N. Y. TIDE.			
		Sun R. & S. h. m.	Morn'g h. m.	Eve'n'g h. m.	Moon R. & S. h. m.	Sun R. & S. h. m.	Morn'g h. m.	Eve'n'g h. m.	Moon R. & S. h. m.
1	Th	16 35	1 18	1 42	9 50	1 16 34	10 37	11 0	9 48
2	Fr	15 52	2 6	2 30	11 3	2 55 53	11 25	11 52	11 0
3	Sa	16 32	2 55	3 21	morn	3 16 31	....	0 19	morn
4	Su	15 54	3 49	4 19	0 14	4 35 55	0 48	1 10	0 10
5	Mo	16 28	4 50	5 23	1 22	5 16 28	1 49	2 21	1 18
6	Tu	15 57	5 57	6 31	2 25	6 35 57	2 55	3 29	2 20
7	We	16 25	7 4	7 37	3 21	7 16 24	4 2	4 34	3 16
8	Th	15 59	8 8	8 37	4 10	8 36 0	5 5	5 35	4 6
9	Fr	16 22	9 5	9 31	4 53	9 16 21	6 3	6 29	4 49
10	Sa	16 1	9 54	10 17	5 30	10 36 2	6 52	7 14	5 27
11	Su	16 18	10 39	11 0	6 3	11 16 18	7 34	7 53	6 1
12	Mo	16 4	11 18	11 36	sets.	12 36 4	8 13	8 32	sets.
13	Tu	16 15	11 54	....	7 7	13 16 15	8 52	9 11	7 7
14	We	16 6	0 12	0 30	8 7	14 36 6	9 29	9 47	8 6
15	Th	16 12	0 49	1 7	9 5	15 16 11	10 5	10 22	9 3
16	Fr	16 8	1 26	1 44	10 2	16 36 8	10 39	10 57	9 59
17	Sa	16 8	2 3	2 23	11 0	17 16 8	11 17	11 39	10 57
18	Su	16 10	2 43	3 4	11 58	18 36 11	....	0 1	11 54
19	Mo	16 5	3 26	3 50	morn	19 16 5	0 24	0 49	morn
20	Tu	16 13	4 16	4 44	0 54	20 36 13	1 15	1 42	0 46
21	We	16 1	5 13	5 43	1 48	21 16 1	2 11	2 41	1 43
22	Th	16 15	6 14	6 46	2 39	22 36 15	3 12	3 43	2 34
23	Fr	15 58	7 18	7 50	3 27	23 15 58	4 15	4 46	3 23
24	Sa	16 17	8 21	8 50	4 10	24 36 17	5 17	5 47	4 6
25	Su	15 54	9 19	9 46	4 49	25 15 55	6 17	6 44	4 46
26	Mo	16 19	10 12	10 37	5 25	26 36 19	7 9	7 32	5 23
27	Tu	15 51	11 1	11 23	ris.	27 15 51	7 54	8 18	ris.
28	We	16 22	11 45	....	7 28	28 36 21	8 42	9 6	7 27
29	Th	15 47	0 8	0 32	8 43	29 15 48	9 30	9 54	8 41
30	Fr	16 24	0 56	1 20	9 58	30 36 23	10 17	10 40	9 55
31	Sa	15 44	1 45	2 11	11 11	31 15 45	11 5	11 33	11 7



MOON'S PHASES.

BOSTON.

CHICAGO.

Last Quarter, . . .	3d. Th. 41m. a.m.	3d. Th. 41m. a.m.
New Moon, . . .	11d. 4h. 8m. a.m.	11d. 3h. 8m. a.m.
First Quarter, . . .	19d. 6h. 52m. a.m.	19d. 5h. 52m. a.m.
Full Moon, . . .	26d. 1h. 22m. a.m.	26d. Oh. 22m. a.m.

1888 BOSTON & CHICAGO.

NEW YORK & PHILA.

D. of M.	Day of Week.	MOON'S PHASES.				NEW YORK & PHILA.			
		Sun R. & S. a. m.	Morn'g a. m.	Eve'n'g a. m.	Moon R. & S. a. m.	Sun R. & S. a. m.	Morn'g a. m.	Eve'n'g a. m.	Moon R. & S. a. m.
1	S	15 42	2 38	3 5	morn	1 15 43	.....	0 2	morn
2	Mo	15 27	3 33	4 3	0 18	2 15 26	0 32	1 2	0 13
3	Tu	15 39	4 35	5 8	1 18	3 15 40	1 34	2 6	1 13
4	We	15 30	5 41	6 13	2 10	4 15 28	2 39	3 11	2 5
5	Th	15 35	6 35	7 16	2 54	5 15 36	3 43	4 13	2 50
6	Fr	15 32	7 46	8 14	3 32	6 15 30	4 42	5 10	3 29
7	Sa	15 32	8 39	9 3	4 6	7 15 33	5 36	6 1	4 3
8	S	15 34	9 26	9 48	4 36	8 15 32	6 24	6 46	4 34
9	Mo	15 28	10 9	10 29	5 3	9 15 30	7 6	7 25	5 2
10	Tu	15 36	10 48	11 6	5 30	10 15 34	7 42	7 59	5 30
11	We	15 25	11 23	11 41	sets.	11 15 27	8 18	8 37	sets.
12	Th	15 38	11 59	.....	7 55	12 15 37	8 56	9 15	7 53
13	Fr	15 22	0 17	0 35	8 53	13 15 28	9 33	9 51	8 50
14	Sa	15 41	0 53	1 13	9 51	14 15 39	10 9	10 28	9 47
15	S	15 19	1 33	1 53	10 48	15 15 21	10 48	11 8	10 44
16	Mo	15 43	2 14	2 36	11 43	16 15 41	11 31	11 56	11 38
17	Tu	15 15	2 59	3 22	morn	17 15 18	.....	0 21	morn
18	We	15 45	3 47	4 14	0 34	18 15 43	0 46	1 14	0 29
19	Th	15 12	4 44	5 15	1 22	19 15 15	1 43	2 13	1 17
20	Fr	15 47	5 46	6 18	2 6	20 15 45	2 44	3 16	2 2
21	Sa	15 9	6 50	7 21	2 45	21 15 12	3 47	4 17	2 42
22	S	15 50	7 51	8 21	3 21	22 15 47	4 47	5 12	3 19
23	Mo	15 6	8 50	9 18	3 55	23 15 9	5 47	6 16	3 54
24	Tu	15 52	9 45	10 11	4 28	24 15 49	6 43	7 8	4 28
25	We	15 3	10 36	11 0	5 1	25 15 6	7 32	7 55	5 2
26	Th	15 54	11 24	11 47	rises	26 15 51	8 18	8 44	rises
27	Fr	15 0	.....	11 8	48	27 15 3	9 10	9 36	8 44
28	Sa	15 56	0 37	1 3	10 1	28 15 53	10 1	10 25	9 57
29	S	14 58	1 29	1 56	11 7	29 15 1	10 50	11 17	11 2
30	Mo	15 59	2 22	2 49	morn	30 15 55	11 46	.....	morn



MOON'S PHASES.

BOSTON.

CHICAGO.

Last Quarter, . . .	2d. Th. 41m. p.m.	2d. Th. 41m. p.m.
New Moon, . . .	10d. 6h. 22m. p.m.	10d. 7h. 22m. p.m.
First Quarter, . . .	18d. 6h. 5m. p.m.	18d. 5h. 5m. p.m.
Full Moon, . . .	25d. 8h. 40m. a.m.	25d. 7h. 40m. a.m.

1888 BOSTON & CHICAGO.

NEW YORK & PHILA.

D. of M.	Day of Week.	MOON'S PHASES.				NEW YORK & PHILA.			
		Sun R. & S. a. m.	Morn'g a. m.	Eve'n'g a. m.	Moon R. & S. a. m.	Sun R. & S. a. m.	Morn'g a. m.	Eve'n'g a. m.	Moon R. & S. a. m.
1	Tu	14 55	3 17	3 46	0 5	1 14 58	0 15	0 45	0 50
2	We	14 57	4 16	4 46	0 54	2 14 57	1 15	1 45	0 50
3	Th	14 52	5 17	5 47	1 35	3 14 56	2 15	2 45	1 31
4	Fr	14 3	6 17	6 46	2 10	4 14 56	3 14	3 43	2 7
5	Sa	14 49	7 13	7 39	2 40	5 14 53	4 10	4 36	2 38
6	S	14 5	8 4	8 29	3 8	6 14 52	5 2	5 26	3 7
7	Mo	14 47	8 51	9 12	3 35	7 14 51	5 48	6 10	3 35
8	Tu	14 57	9 33	9 54	4 1	8 14 49	6 31	6 52	4 2
9	We	14 45	10 15	10 35	4 27	9 14 49	7 11	7 30	4 29
10	Th	14 57	10 53	11 11	4 53	10 14 57	7 47	8 4	4 55
11	Fr	14 42	11 29	11 48	sets.	11 14 46	8 24	8 45	sets.
12	Sa	14 32	.....	0 7	8 43	12 14 47	9 5	9 25	8 39
13	S	14 40	0 27	0 48	9 39	13 14 47	9 40	10 6	9 34
14	Mo	14 14	1 9	1 30	10 31	14 14 37	10 26	10 46	10 26
15	Tu	14 38	1 52	2 15	11 20	15 14 42	11 9	11 33	11 15
16	We	14 16	2 38	3 2	morn	16 14 41	11 58	.....	morn
17	Th	14 36	3 26	3 52	0 4	17 14 41	0 24	0 51	0 4
18	Fr	14 18	4 20	4 49	0 44	18 14 37	1 19	1 48	0 40
19	Sa	14 34	5 19	5 49	1 20	19 14 39	2 17	2 47	1 17
20	S	14 20	6 20	6 51	1 53	20 14 37	3 18	3 49	1 51
21	Mo	14 32	7 22	7 52	2 25	21 14 37	4 19	4 48	2 24
22	Tu	14 22	8 21	8 49	2 58	22 14 37	5 17	5 46	2 58
23	We	14 31	9 17	9 45	3 30	23 14 36	6 15	6 43	3 32
24	Th	14 24	10 13	10 39	4 7	24 14 37	7 10	7 34	4 10
25	Fr	14 29	11 5	11 29	rises	25 14 34	7 58	8 25	rises
26	Sa	14 25	11 54	.....	8 48	26 14 30	8 52	9 19	8 43
27	S	14 28	0 21	0 48	9 52	27 14 37	9 46	10 11	9 47
28	Mo	14 27	1 14	1 40	10 46	28 14 32	10 35	11 0	10 41
29	Tu	14 27	2 6	2 32	11 32	29 14 32	11 27	11 55	11 28
30	We	14 29	2 58	3 24	morn	30 14 33	.....	0 22	morn
31	Th	14 26	3 50	4 17	0 10	31 14 31	0 49	1 16	0 7



MOON'S PHASES.

Last Quarter, . . .	1d. 7h. 50m. a.m.
New Moon, . . .	9d. 11h. 24m. a.m.
First Quarter, . . .	17d. 1h. 50m. a.m.
Full Moon, . . .	25d. 4h. 7m. p.m.
Last Quarter, . . .	30d. 10h. 52m. p.m.

BOSTON.

CHICAGO.

1d. 6h. 55m. a.m.
9d. 10h. 24m. a.m.
17d. 6h. 50m. a.m.
25d. 3h. 7m. p.m.
30d. 9h. 52m. p.m.

1888 BOSTON & CHICAGO.

D. of M.	Day of Week.	BOST. TIME.				Moon R. & S.	D. of M.	Sun R. & S.	N. Y. TIME.				Moon R. & S.
		Sun R. & S.	Morn'g.	Even'g.					Sun R. & S.	Morn'g.	Even'g.		
1	Fr	74 25	4 44	5 11	0 43		1	74 31	1 43	2 9	0 40		
2	Sa	77 31	5 38	6 4	1 12		2	77 26	2 36	3 2	1 10		
3	Mo	74 25	6 31	6 57	1 39		3	74 30	3 28	3 54	1 38		
4	We	77 32	7 22	7 46	2 5		4	77 27	4 19	4 43	2 5		
5	Tu	74 24	8 10	8 33	2 30		5	74 29	5 7	5 30	2 31		
6	We	77 34	8 55	9 17	2 56		6	77 28	5 53	6 15	2 58		
7	Th	74 25	9 39	10 0	3 25		7	74 29	6 37	6 58	3 28		
8	Fr	77 35	10 22	10 43	3 57		8	77 29	7 18	7 38	4 1		
9	Sa	74 23	11 3	11 23	sets.		9	74 28	7 57	8 17	sets.		
10	Sa	77 36	11 44	.....	8 23		10	77 30	8 40	9 3	8 23		
11	Tu	74 22	0 5	0 27	9 18		11	74 28	9 25	9 47	9 13		
12	Tu	77 37	0 49	1 11	10 5		12	77 31	10 7	10 28	10 0		
13	We	74 22	1 33	1 50	10 47		13	74 28	10 50	11 13	10 43		
14	Th	77 38	2 19	2 42	11 23		14	77 32	11 38	.....	11 20		
15	Fr	74 22	3 6	3 30	11 56		15	74 28	0 3	0 28	11 54		
16	Sa	77 38	3 55	4 22	morn		16	77 33	0 54	1 21	morn		
17	Sa	74 22	4 50	5 20	0 58		17	74 28	1 48	2 18	0 57		
18	Mo	77 39	5 50	6 21	0 29		18	77 34	2 48	3 18	0 29		
19	Tu	74 23	6 52	7 24	1 30		19	74 28	3 49	4 20	1 31		
20	We	77 40	7 55	8 25	2 3		20	77 34	4 51	5 22	2 3		
21	Th	74 23	8 55	9 24	2 40		21	74 29	5 52	6 22	2 43		
22	Fr	77 40	9 53	10 21	3 23		22	77 35	6 51	7 18	3 27		
23	Sa	74 24	10 49	11 15	rises		23	74 29	7 44	8 11	rises		
24	Sa	77 40	11 41	.....	8 32		24	77 35	8 37	9 4	8 27		
25	Mo	74 24	0 7	0 32	9 23		25	74 30	9 30	9 54	9 19		
26	Tu	77 40	0 57	1 21	10 7		26	77 35	10 18	10 41	10 3		
27	We	74 25	1 46	2 10	10 44		27	74 31	11 4	11 28	10 13		
28	Th	77 40	2 33	2 55	11 15		28	77 35	11 52	.....	11 13		
29	Fr	74 26	3 18	3 41	11 42		29	74 31	0 16	0 40	11 41		
30	Sa	77 40	4 4	4 28	morn		30	77 35	1 3	1 27	morn		



MOON'S PHASES.

New Moon, . . .	9d. 1h. 15m. a.m.
First Quarter, . . .	15d. 7h. 13m. a.m.
Full Moon, . . .	23d. 6h. 45m. a.m.
Last Quarter, . . .	30d. 3h. 22m. p.m.

BOSTON.

CHICAGO.

9d. 6h. 15m. a.m.
15d. 6h. 13m. a.m.
23d. 11h. 45m. p.m.
30d. 2h. 25m. p.m.

1888 BOSTON & CHICAGO.

D. of M.	Day of Week.	BOST. TIME.				Moon R. & S.	D. of M.	Sun R. & S.	N. Y. TIME.				Moon R. & S.
		Sun R. & S.	Morn'g.	Even'g.					Sun R. & S.	Morn'g.	Even'g.		
1	Sa	74 27	4 53	5 19	0 8		1	74 32	1 52	2 17	0 8		
2	Mo	77 40	5 44	6 9	0 34		2	77 34	2 42	3 7	0 35		
3	Tu	74 28	6 34	7 0	1 0		3	74 33	3 32	3 57	1 2		
4	We	77 40	7 26	7 51	1 27		4	77 34	4 22	4 47	1 30		
5	Th	74 29	8 16	8 41	1 57		5	74 35	5 13	5 39	2 0		
6	Fr	77 39	9 53	10 17	3 12		6	77 33	6 3	6 27	2 36		
7	Sa	74 30	10 40	11 2	3 56		7	74 36	6 51	7 14	3 17		
8	Mo	77 38	11 23	11 45	sets.		8	77 33	7 35	7 56	4 1		
9	Tu	74 32	11 23	11 45	sets.		9	74 38	8 10	8 42	sets.		
10	Tu	77 37	.....	0 7	8 46		10	77 32	9 50	10 12	9 1		
11	We	74 33	0 29	0 52	9 24		11	74 39	9 50	10 12	9 1		
12	Th	77 36	1 15	1 38	9 59		12	77 31	10 33	10 54	9 56		
13	Fr	74 35	2 0	2 22	10 31		13	74 40	11 16	11 40	10 29		
14	Sa	77 35	2 44	3 8	11 2		14	77 30	.....	0 5	11 1		
15	Sa	74 36	3 32	3 57	11 33		15	74 41	0 30	0 56	11 34		
16	Mo	77 34	4 24	4 53	morn		16	77 29	1 23	1 51	morn		
17	Tu	74 38	5 23	5 54	0 5		17	74 43	2 21	2 52	0 7		
18	We	77 32	6 26	6 59	0 39		18	77 28	3 24	3 56	0 42		
19	Th	74 40	7 33	8 6	1 18		19	74 45	4 29	5 3	1 22		
20	Fr	77 31	8 38	9 0	2 3		20	77 27	5 36	6 7	2 7		
21	Sa	74 42	9 39	10 8	2 3		21	74 46	6 37	7 6	3 0		
22	Sa	77 29	10 36	11 2	3 53		22	77 25	7 32	7 56	3 58		
23	Mo	74 44	11 26	11 50	rises		23	74 48	8 20	8 46	rises		
24	Tu	77 28	.....	0 13	8 38		24	77 23	9 12	9 35	8 35		
25	We	74 45	0 36	0 58	9 12		25	74 50	9 56	10 16	9 10		
26	Th	77 26	1 20	1 41	9 42		26	77 21	10 36	10 56	9 41		
27	Fr	74 47	2 2	2 22	10 10		27	74 54	11 16	11 38	10 9		
28	Sa	77 23	2 42	3 3	10 36		28	77 19	.....	0 0	10 36		
29	Mo	74 49	3 23	3 45	11 2		29	74 54	0 22	0 44	11 3		
30	Mo	77 21	4 7	4 31	11 26		30	77 17	1 7	1 30	11 31		
31	Tu	74 51	4 56	5 21	11 58		31	74 56	1 54	2 19	morn		



MOON'S PHASES.		BOSTON.		CHICAGO.	
New Moon,	7d. 1h. 21m. p.m.	7d. 0h. 21m. p.m.		7d. 0h. 21m. p.m.	
First Quarter,	14d. 11h. 44m. a.m.	14d. 10h. 44m. a.m.		14d. 10h. 44m. a.m.	
Full Moon,	21d. 11h. 20m. a.m.	21d. 10h. 20m. a.m.		21d. 10h. 20m. a.m.	
Last Quarter,	29d. 9h. 18m. a.m.	29d. 8h. 18m. a.m.		29d. 8h. 18m. a.m.	

1888 BOSTON & CHICAGO. NEW YORK & PHILA.

D. of M.	Day of Week.	BOST. TIME.				N. Y. TIME.			
		Sun R. & S. A. M.	Morn'g A. M.	Even'g A. M.	Moon R. & S. A. M.	Sun R. & S. A. M.	Morn'g A. M.	Even'g A. M.	Moon R. & S. A. M.
1	We	14 52	5 47	6 14	morn	1 14 57	2 45	3 12	0 1
2	Th	15 18	6 42	7 10	0 30	2 14 57	3 39	4 7	0 34
3	Fr	14 54	7 38	8 6	1 7	3 14 58	4 35	5 3	1 11
4	Sa	17 15	8 33	9 0	1 50	4 17 12	5 31	5 58	1 55
5	We	14 57	9 26	9 51	2 39	5 15 0	6 24	6 40	2 44
6	Th	17 13	10 17	10 42	3 35	6 17 9	7 13	7 37	3 40
7	Fr	14 53	11 4	11 26	sets.	7 15 2	7 59	8 21	sets.
8	We	17 10	11 48	.....	7 56	8 15 7	8 44	9 8	7 53
9	Th	15 1	0 10	0 31	8 31	9 15 4	9 30	9 51	8 29
10	Fr	17 8	0 53	1 15	9 4	10 15 7	10 12	10 33	9 3
11	Sa	15 15	1 38	2 0	9 35	11 15 6	10 54	11 17	9 35
12	We	17 5	2 23	2 45	10 6	12 15 7	11 42	.....	10 7
13	Th	15 15	3 9	3 35	10 39	13 15 8	0 7	0 33	10 41
14	Fr	17 2	4 2	4 31	11 16	14 16 59	1 1	1 30	11 19
15	We	15 7	5 2	5 35	11 58	15 15 10	2 0	2 33	morn
16	Th	18 59	6 9	6 43	morn	16 16 56	3 7	3 41	0 2
17	Fr	15 9	7 18	7 53	0 47	17 15 12	4 15	4 49	0 52
18	Sa	18 56	8 27	8 58	1 43	18 16 53	5 23	5 55	1 48
19	We	15 11	9 27	9 55	2 44	19 15 14	6 25	6 52	2 49
20	Th	18 56	10 21	10 45	3 49	20 16 50	7 18	7 40	3 53
21	Fr	15 14	11 8	11 29	rises	21 15 16	8 2	8 24	rises
22	We	18 50	11 49	.....	7 42	22 16 47	8 47	9 8	7 40
23	Th	15 16	0 9	0 29	8 10	23 15 18	9 28	9 47	8 9
24	Fr	18 47	0 49	1 9	8 37	24 16 44	10 6	10 24	8 37
25	Sa	15 18	1 28	1 47	9 3	25 15 22	10 42	11 1	9 4
26	We	18 43	2 6	2 26	9 29	26 16 41	11 20	11 41	9 31
27	Th	15 20	3 25	3 5	9 57	27 15 22	.....	0 2	10 0
28	Fr	18 40	3 46	3 48	10 28	28 16 38	0 24	0 47	10 12
29	We	15 22	4 12	4 37	11 3	29 15 24	1 11	1 36	11 7
30	Th	18 37	5 4	5 32	11 43	30 16 35	2 3	2 30	11 48
31	Fr	15 24	6 1	6 31	morn	31 15 26	2 59	3 29	morn



MOON'S PHASES.		BOSTON.		CHICAGO.	
New Moon,	5d. 11h. 56m. p.m.	5d. 10h. 56m. p.m.		5d. 10h. 56m. p.m.	
First Quarter,	12d. 6h. 0m. p.m.	12d. 6h. 0m. p.m.		12d. 6h. 0m. p.m.	
Full Moon,	20d. 0h. 24m. a.m.	19d. 11h. 24m. a.m.		19d. 11h. 24m. a.m.	
Last Quarter,	28d. 3h. 30m. a.m.	28d. 2h. 30m. a.m.		28d. 2h. 30m. a.m.	

1888 BOSTON & CHICAGO. NEW YORK & PHILA.

D. of M.	Day of Week.	BOST. TIME.				N. Y. TIME.			
		Sun R. & S. A. M.	Morn'g A. M.	Even'g A. M.	Moon R. & S. A. M.	Sun R. & S. A. M.	Morn'g A. M.	Even'g A. M.	Moon R. & S. A. M.
1	Sa	15 25	7 2	7 33	0 29	1 15 27	3 59	4 20	0 34
2	Sa	16 32	8 3	8 32	1 22	2 16 30	4 59	5 20	1 27
3	Mo	15 27	9 0	9 26	2 22	3 15 29	5 57	6 24	2 26
4	Tu	16 28	9 52	10 17	3 26	4 16 27	6 50	7 14	3 30
5	We	15 29	10 41	11 4	4 33	5 15 31	7 35	7 57	4 36
6	Th	16 25	11 26	11 47	sets.	6 16 24	8 20	8 44	sets.
7	Fr	15 32	.....	0 9	7 36	7 15 33	9 7	9 30	7 36
8	Sa	16 22	0 31	0 53	8 8	8 16 20	9 52	10 13	8 9
9	Sa	15 34	1 16	1 39	8 41	9 15 35	10 34	10 56	8 43
10	Tu	16 18	2 2	2 26	9 17	10 16 17	11 21	11 48	9 20
11	Tu	15 36	3 5	3 18	9 57	11 15 37	.....	0 16	10 1
12	We	16 14	3 46	4 17	10 44	12 16 14	0 45	1 15	10 49
13	Th	15 38	4 49	5 22	11 38	13 15 39	1 47	2 20	11 43
14	Fr	16 11	5 57	6 33	morn	14 16 10	2 55	3 30	morn
15	Sa	15 40	7 8	7 41	0 36	15 15 41	4 5	4 37	0 41
16	Sa	16 7	8 12	8 41	1 38	16 16 7	5 8	5 38	1 42
17	Mo	15 42	9 8	9 34	2 43	17 15 43	6 6	6 32	2 47
18	Tu	16 4	9 59	10 22	3 49	18 16 4	6 57	7 18	3 52
19	We	15 44	10 43	11 3	4 54	19 15 45	7 38	7 57	4 56
20	Th	16 0	11 22	11 41	rises	20 16 0	8 16	8 36	rises
21	Fr	15 46	11 59	.....	7 4	21 15 47	8 57	9 15	7 5
22	Sa	15 57	0 16	0 34	7 30	22 15 47	9 33	9 51	7 32
23	Mo	15 49	0 53	1 12	7 57	23 15 49	10 9	10 27	8 0
24	Tu	15 53	1 31	1 51	8 26	24 15 54	10 45	11 4	8 29
25	We	15 51	2 10	2 30	8 59	25 15 51	11 25	11 47	9 3
26	Th	15 50	2 51	3 13	9 27	26 15 50	.....	0 11	9 42
27	Fr	15 53	3 36	4 1	10 20	27 15 53	0 35	1 0	10 25
28	Sa	15 46	4 28	4 56	11 9	28 15 47	1 26	1 54	11 14
29	Sa	15 55	5 26	5 57	morn	29 15 55	2 24	2 55	morn
30	Th	15 43	6 28	6 59	0 4	30 15 43	3 25	3 56	0 9



MOON'S PHASES.

	BOSTON.
New Moon,	5d. 5h. 34m. a.m.
First Quarter, . . .	12d. 0h. 20m. a.m.
Full Moon,	19d. 4h. 0m. p.m.
Last Quarter, . . .	27d. 5h. 56m. p.m.

CHICAGO.

	CHICAGO.
New Moon,	5d. 5h. 34m. a.m.
First Quarter, . . .	11d. 11h. 20m. p.m.
Full Moon,	19d. 3h. 0m. p.m.
Last Quarter, . . .	27d. 7h. 56m. p.m.

1888 BOSTON & CHICAGO. NEW YORK & PHILA.

D. & N.	Day & Week.	BOST. TIME.				Moon	R. & S.	D. & N.	Day & Week.	N. Y. TIME.				Moon	R. & S.
		Sun	Morn'g	Even'g	R. & S.					Sun	Morn'g	Even'g	R. & S.		
1	Mo	55 57	7 30	8 0	1 6	1	15 57	4 27	4 57	1 10					
2	Tu	55 39	8 20	8 57	2 12	2	25 40	5 26	5 54	2 15					
3	We	55 10	9 23	9 49	3 21	3	35 59	6 21	6 47	3 23					
4	Th	55 36	10 15	10 39	4 33	4	45 37	7 11	7 34	4 34					
5	Fr	55 2	11 1	11 23	sets.	5	5 16	7 55	8 17	sets.					
6	Sa	55 33	11 45	11 58	6 38	6	15 33	8 41	9 6	6 40					
7	Su	55 20	0 8	0 31	7 13	7	25 30	9 30	9 53	7 16					
8	Mo	55 16	0 55	1 20	7 53	8	35 30	10 16	10 40	7 57					
9	Tu	55 6	1 45	2 1	8 39	9	45 5	11 6	11 34	8 44					
10	We	55 26	2 38	3 6	9 31	10	55 27	11 55	12 4	9 36					
11	Th	55 7	3 35	4 5	10 29	11	6 27	0 34	1 4	10 34					
12	Fr	55 23	4 37	5 11	11 31	12	15 24	1 36	2 9	11 36					
13	Sa	55 16	5 45	6 18	morn	13	25 9	2 43	3 16	morn					
14	Su	55 19	6 50	7 21	0 35	14	35 21	3 47	4 17	0 39					
15	Mo	55 14	7 50	8 17	1 39	15	45 13	4 46	5 14	1 42					
16	Tu	55 16	8 43	9 7	2 43	16	55 18	5 41	6 5	2 45					
17	We	55 16	9 30	9 52	3 46	17	6 28	6 50	7 37						
18	Th	55 13	10 13	10 32	4 48	18	15 15	7 10	7 28	4 48					
19	Fr	55 18	10 51	11 9	5 48	19	25 12	7 45	8 3	5 48					
20	Sa	55 10	11 27	11 45	rises	20	35 12	8 21	8 41	rises					
21	Su	55 20	12 0	0 3	6 36	21	45 18	9 1	9 20	6 29					
22	Mo	55 7	0 22	0 41	7 50	22	55 9	9 39	9 57	7 3					
23	Tu	55 23	1 0	1 19	7 35	23	6 20	10 16	10 35	7 40					
24	We	55 4	1 40	2 1	8 15	24	15 10	10 55	11 17	8 20					
25	Th	55 25	2 23	2 45	9 1	25	25 23	11 41	11 57	9 6					
26	Fr	55 1	3 8	3 32	9 53	26	35 4	0 5	0 30	9 58					
27	Sa	55 28	3 58	4 25	10 50	27	45 27	1 50	1 24	10 55					
28	Su	55 38	4 55	5 25	11 51	28	55 1	1 53	2 23	11 50					
29	Mo	55 30	5 55	6 25	morn	29	6 25	2 53	3 23	morn					
30	Tu	54 56	6 56	7 27	0 58	30	14 59	3 53	4 23	1 1					
31	We	54 33	7 56	8 24	2 7	31	24 30	4 52	5 21	2 9					



MOON'S PHASES.

	BOSTON.
New Moon,	3d. 7h. 2m. p.m.
First Quarter, . . .	10d. 11h. 16m. a.m.
Full Moon,	18d. 10h. 16m. a.m.
Last Quarter, . . .	25d. 0h. 23m. p.m.

CHICAGO.

	CHICAGO.
New Moon,	3d. 6h. 2m. p.m.
First Quarter, . . .	10d. 10h. 16m. a.m.
Full Moon,	18d. 9h. 16m. a.m.
Last Quarter, . . .	25d. 11h. 20m. a.m.

1888 BOSTON & CHICAGO. NEW YORK & PHILA.

D. & N.	Day & Week.	BOST. TIME.				Moon	R. & S.	D. & N.	Day & Week.	N. Y. TIME.				Moon	R. & S.
		Sun	Morn'g	Even'g	R. & S.					Sun	Morn'g	Even'g	R. & S.		
1	Th	54 34	8 51	9 17	3 19	1	16 31	5 48	6 15	3 20					
2	Fr	54 52	9 44	10 10	4 33	2	24 55	6 42	7 7	4 32					
3	Sa	54 36	10 35	11 0	5 48	3	36 33	7 30	7 53	5 46					
4	Su	54 49	11 23	11 47	sets.	4	48 53	8 18	8 44	sets.					
5	Mo	54 39	12 0	12 6	6 29	5	56 36	9 10	9 36	6 33					
6	Tu	54 47	0 38	1 5	7 19	6	64 50	10 2	10 28	7 24					
7	We	54 16	1 32	1 59	8 17	7	76 38	10 54	11 21	8 22					
8	Th	54 45	2 27	2 54	9 20	8	84 48	11 50	12 0	9 25					
9	Fr	54 44	3 32	3 52	10 26	9	96 41	0 20	0 50	10 30					
10	Sa	54 43	4 22	4 52	11 32	10	104 46	1 21	1 51	11 35					
11	Mo	54 46	5 22	5 52	morn	11	116 46	2 20	2 50	morn					
12	Tu	54 41	6 21	6 49	0 37	12	124 44	3 19	3 47	0 40					
13	We	54 39	7 17	7 43	1 40	13	136 45	4 14	4 40	1 42					
14	Th	54 30	8 8	8 32	2 41	14	144 43	5 5	5 29	2 42					
15	Fr	54 52	8 55	9 17	3 41	15	156 47	5 52	6 14	3 41					
16	Sa	54 37	9 38	9 58	4 40	16	164 41	6 36	6 56	4 39					
17	Su	54 54	10 18	10 38	5 39	17	176 40	7 15	7 33	5 37					
18	Mo	54 35	10 57	11 16	rises	18	184 40	7 51	8 10	rises					
19	Tu	54 56	11 35	11 54	5 34	19	196 52	8 30	8 51	5 38					
20	We	54 34	12 0	12 14	6 13	20	204 38	9 13	9 33	6 13					
21	Th	54 59	0 34	0 54	6 57	21	216 55	0 52	10 12	7 2					
22	Fr	54 33	1 15	1 37	7 40	22	224 37	1 32	10 53	7 51					
23	Sa	54 1	1 59	2 22	8 21	23	236 57	11 16	11 41	8 46					
24	Su	54 32	2 45	3 8	9 40	24	244 36	12 0	12 25	9 44					
25	Mo	54 17	3 33	3 58	10 43	25	256 59	0 31	0 57	10 46					
26	Tu	54 31	4 25	4 52	11 49	26	264 36	1 24	1 51	11 51					
27	We	54 6	5 21	5 50	morn	27	274 1	2 19	2 48	morn					
28	Th	54 30	6 20	6 50	0 57	28	284 35	3 16	3 45	0 58					
29	Fr	54 7	7 20	7 49	2 7	29	294 3	4 16	4 45	2 7					
30	Sa	54 29	8 18	8 46	3 20	30	304 34	5 15	5 44	3 19					



MOON'S PHASES.	BOSTON.	CHICAGO.
New Moon,	2d. 5h. 5m. a.m.	2d. 4h. 5m. a.m.
First Quarter, . . .	10d. 1h. 46m. a.m.	10d. 0h. 46m. a.m.
Full Moon,	18d. 5h. 41m. a.m.	18d. 4h. 41m. a.m.
Last Quarter, . . .	26d. 1h. 0m. a.m.	26d. 0h. 0m. a.m.

1888 BOSTON & CHICAGO. NEW YORK & PHILA.

D. of M.	Day of Week.	BOST. TIME.				Moon R. & S. h. m.	N. Y. TIME.				Moon R. & S. h. m.
		Sun R. & S. h. m.	Morn'g h. m.	Even'g h. m.	Moon R. & S. h. m.		Sun R. & S. h. m.	Morn'g h. m.	Even'g h. m.	Moon R. & S. h. m.	
1	Sa	17 10	9 15	9 43	4 36		1 17 5	6 13	6 41	4 34	
2	S	84 28	10 11	10 39	5 53		2 84 33	7 8	7 34	5 50	
3	Mo	17 12	11 5	11 30	sets.		3 17 7	7 59	8 25	sets.	
4	Tu	84 28	11 56	.....	5 58		4 84 33	8 53	9 22	6 3	
5	We	17 14	0 23	0 50	7 1		5 17 9	9 49	10 15	7 6	
6	Th	84 28	1 18	1 45	8 9		6 84 33	10 40	11 6	8 14	
7	Fr	17 16	2 12	2 38	9 18		7 17 11	11 34	.....	9 22	
8	Sa	84 28	3 4	3 30	10 25		8 84 33	0 1	0 28	10 28	
9	S	17 18	3 55	4 22	11 30		9 17 13	0 54	1 20	11 32	
10	Sa	84 28	4 49	5 16	morn		10 84 33	1 47	2 14	morn	
11	Tu	17 20	5 43	6 10	0 33		11 17 15	2 41	3 7	0 34	
12	We	84 28	6 36	7 2	1 34		12 84 33	3 33	3 58	1 33	
13	Th	17 21	7 27	7 51	2 33		13 17 16	4 23	4 48	2 32	
14	Fr	84 29	8 15	8 38	3 32		14 84 34	5 12	5 36	3 30	
15	Sa	17 23	9 1	9 24	4 31		15 17 18	5 59	6 22	4 28	
16	S	84 29	9 46	10 8	5 30		16 84 34	6 44	7 5	5 26	
17	Mo	17 24	10 29	10 50	6 28		17 17 19	7 25	7 44	6 23	
18	Tu	84 29	11 11	11 31	rises		18 84 35	8 4	8 26	rises	
19	We	17 25	11 51	.....	5 41		19 17 20	8 49	9 11	5 46	
20	Th	84 31	0 12	0 34	6 35		20 84 36	9 32	9 53	6 40	
21	Fr	17 26	0 55	1 17	7 34		21 17 21	10 14	10 34	7 38	
22	Sa	84 32	1 39	2 1	8 36		22 84 37	10 55	11 18	8 40	
23	S	17 27	2 23	2 45	9 40		23 17 22	11 41	.....	9 43	
24	Mo	84 33	3 8	3 31	10 46		24 84 38	0 5	0 29	10 48	
25	Tu	17 28	3 56	4 21	11 52		25 17 23	0 54	1 20	11 53	
26	We	84 34	4 48	5 16	morn		26 84 39	1 47	2 14	morn	
27	Th	17 29	5 45	6 15	1 1		27 17 23	2 43	3 13	1 0	
28	Fr	84 35	6 46	7 17	2 13		28 84 41	3 43	4 14	2 11	
29	Sa	17 29	7 49	8 21	3 27		29 17 24	4 45	5 17	3 24	
30	S	84 37	8 52	9 22	4 42		30 84 42	5 49	6 20	4 38	
31	Mo	17 30	9 52	10 21	5 56		31 17 24	6 50	7 18	5 51	

Ther.

SUN. JAN. 1, 1888

Wea.

Ther.

MONDAY 2

Wea.

Ther.

TUES. JAN. 3, 1888

Wea.

Ther.

THURS. JAN. 5, 1888

Wea.

Ther.

WEDNESDAY 4

Wea.

Ther.

FRIDAY 6

Wea.

Ther.

SAT. JAN. 7, 1888

Wea.

Ther.

SUNDAY 8

Wea.

Ther.

MON. JAN. 9, 1888

Wea.

Ther.

TUESDAY 10

Wea.

Ther.

WED. JAN. 11, 1888

Wea.

Ther.

FRI. JAN. 13, 1888

Wea.

Ther.

THURSDAY 12

Wea.

Ther.

SATURDAY 14

Wea.

Ther.

SUN. JAN. 15, 1888

Wea.

Ther.

MONDAY 16

Wea.

Ther.

TUES. JAN. 17, 1888

Wea.

Ther.

WEDNESDAY 18

Wea.

Ther.

THURS. JAN. 19, 1888

Wea.

Ther.

SAT. JAN. 21, 1888

Wea.

Ther.

FRIDAY 20

Wea.

Ther.

SUNDAY 22

Wea.

Ther.

MON. JAN. 23, 1888

Wea.

Ther.

WED. JAN. 25, 1888

Wea.

Ther.

TUESDAY 24

Wea.

Ther.

THURSDAY 26

Wea.

Ther.

FRI. JAN. 27, 1888

Wea.

Ther.

SUN. JAN. 29, 1888

Wea.

Ther.

SATURDAY 28

Wea.

Ther.

MONDAY 30

Wea.

Ther.

TUES. JAN. 31, 1888

Wea.

Ther.

THURS. FEB. 2, 1888

Wea.

Ther.

WEDNESDAY, FEB. 1

Wea.

Ther.

FRIDAY 3

Wea.

Ther.

SAT. FEB. 4, 1888

Wea.

Ther.

SUNDAY 5

Wea.

Ther.

MON. FEB. 6, 1888

Wea.

Ther.

TUESDAY 7

Wea.

Ther.

WED. FEB. 8, 1888

Wea.

Ther.

FRI. FEB. 10, 1888

Wea.

Ther.

THURSDAY 9

Wea.

Ther.

SATURDAY 11

Wea.

Ther.

SUN. FEB. 12, 1888

Wea.

Ther.

TUES. FEB. 14, 1888

Wea.

Ther.

MONDAY 13

Wea.

Ther.

WEDNESDAY 15

Wea.

Ther.

THURS. FEB. 16, 1888

Wea.

Ther.

FRIDAY 17

Wea.

Ther.

SAT. FEB. 18, 1888

Wea.

Ther.

SUNDAY 19

Wea.

Ther.

MON. FEB. 20, 1883

Wea.

Ther.

WED. FEB. 22, 1883

Wea.

Ther.

TUESDAY 21

Wea.

Ther.

THURSDAY 23

Wea.

Ther.

FRI. FEB. 24, 1888

Wea.

Ther.

SUN. FEB. 26, 1888

Wea.

Ther.

SATURDAY 25

Wea.

Ther.

MONDAY 27 //

Wea.

Ther.

TUES. FEB. 28, 1888

Wea.

Ther.

WEDNESDAY 29

Wea.

Ther.

THURS. MAR. 1, 1888

Wea.

Ther.

FRIDAY 2

Wea.

Ther.

SAT. MAR. 3, 1888

Wea.

Ther.

MON. MAR. 5, 1888

Wea.

Ther.

SUNDAY 4

Wea.

Ther.

TUESDAY 6

Wea.

Ther.

WED. MAR. 7, 1888

Wea.

Ther.

FRI. MAR. 9, 1888

Wea.

Ther.

THURSDAY 8

Wea.

Ther.

SATURDAY 10

Wea.

Ther.

SUN. MAR. 11, 1888

Wea.

Ther.

MONDAY 12

Wea.

Ther.

TUES. MAR. 13, 1888

Wea.

Ther.

WEDNESDAY 14

Wea.

Ther.

THURS. MAR. 15, 1888

Wea.

Ther.

SAT. MAR. 17, 1888

Wea.

Ther.

FRIDAY 16

Wea.

Ther.

SUNDAY 18

Wea.

Ther.

MON. MAR. 19, 1888

Wea.

Ther.

WED. MAR. 21, 1888

Wea.

Ther.

TUESDAY 20

Wea.

Ther.

THURSDAY 22

Wea.

Ther.

FRI. MAR. 23, 1888

Wea.

Ther.

SUN. MAR. 25, 1888

Wea.

Ther.

SATURDAY 24

Wea.

Ther.

MONDAY 26

Wea.

Ther.

TUES. MAR. 27, 1888

Wea.

Ther.

THURS. MAR. 29, 1888

Wea.

Ther.

WEDNESDAY 28

Wea.

Ther.

1 1 FRIDAY 30 1888

Wea.

Ther.

SAT. MAR. 31, 1888

Wea.

Ther.

MON. APRIL 2, 1888

Wea.

Ther.

SUNDAY, APRIL 1

Wea.

Ther.

TUESDAY 3

Wea.

Ther.

WED. APRIL 4, 1888

Wea.

Ther.

FRI. APRIL 6, 1888

Wea.

Ther.

THURSDAY 5

Wea.

Ther.

SATURDAY 7

Wea.

Ther.

SUN. APRIL 8, 1888

Wea.

Ther.

TUES. APRIL 10, 1888

Wea.

Ther.

MONDAY 9

Wea.

Ther.

WEDNESDAY 11

Wea.

Ther.

THURS. APRIL 12, 1888

Wea.

Ther.

SAT. APRIL 14, 1888

Wea.

dull Father took
me to west Andover
to half past one
train came to
Bangscook and
walked to Mr.
Sanborns.

Ther.

FRIDAY 13

Wea.

Ther.

SUNDAY 15

Wea.

Mr Sanborn went
to Canterbury to
church I stayed
at home and looked
around red
and choared
around some

Ther.

MON. APRIL 16, 1888

Wea.

fair day commenced
on wood pile Mr
Sanborn went to
Penacook for my
things I bought
A dairy for which
I Paid 25 cts

Ther.

TUESDAY 17

Wea.

windy but fair
worked on wood
pile and picked
hens in afternoon
also worked on
wood pile

Ther.

WED. APRIL 18, 1888

Wea.

worked on wood
pile in forenoon
Ella went to
Manchester rain
afternoon Mr S.
and I hoesed sleds
and threshed beans

Ther.

THURSDAY 19

Wea.

fair day Ella
Newton and Mr
Morrison returned
I worked on wood
pile all day
With Ella Morrison
and I played
swiss in evening

Ther.

FRI. APRIL 20, 1888

Wea.

worked on wood pile
in forenoon rained
afternoon finished
threshing beans clean
out henhouse did
choar at night
Newton took Mr
Morrison to Beapot

Ther.

SATURDAY 21

Wea.

picked over potatoes
did choars and
helped Nate fix
chicken coop in
forenoon
sawered wood
in afternoon
also helped on
choars at night

Ther.

SUN. APRIL 22, 1888

Wea.

stayed at home
and reel did coars
roled a letter home
and pelted round

Ther.

MONDAY 23

Wea.

worked on wood
pile helped Ella take
up a carpenter Mr S.
and Nate went to
Canterbury helped
on choars at night
warm in Morning
cold in afternoon

Ther.

TUES. APRIL 24, 1888

Wea.

very cold worked
on wood pile helped
on choars plate
and I put down
bedroom carpet
Nute went away in
afternoon

Ther.

THURS. APRIL 26, 1888

Wea.

fair day wheeled
in wood in forenoon
blackened stove at
at noon I worked
on wood in afternoon
cleaned up dooryard
and looked around
at night

Ther.

WEDNESDAY 25

Wea.

fair day worked
on wood pile helped
Nute take up parlor
carpet and clean
it Mr S. went to
Penacook Fire at
Concord high
School building and
Unitarian Church
burned

Ther.

FRIDAY 27

Wea.

very warm finish
ed wood pile went
into pasture cutting
up apple trees
Nute and Moses
broke up in fore-
noon Moses shed-
red sheep in
afternoon helped
on choars

Ther.

SAT. APRIL 28, 1888

Wea.

went to Mr. Brown
in morn Moses and
I plowed and put
up wall turned
out cattle wheeled
in wood in forenoon
ploughed and took
away banking in
from hen house
did choars at
night

Ther.

SUNDAY 29

Wea.

very warm did
choars in morn
Moses and I went
to church helped
on choars at night

Ther.

MON. APRIL 30, 1888

Wea.

chew 20 loads of manure
I loaded Moses
drove team Ella
went to Penacook
helped on choars
at night

Ther.

TUESDAY, MAY 1

Wea.

spread manure
loaded 3 loads pick
ed stones lugged
apples from cellar
helped Ella fix chicken
coop helped on
choars at night

Ther.

WED. MAY 2, 1888

Wea.

dull in forenoon
brought potatoes
from cellar Mr. S.
and I broke up
in afternoon &
cleared out hogpen

Ther.

FRI. MAY 4, 1888

Wea.

Mr. S. and I ploughed
behind house
dug parsnips
helped Ella put
down stair carpet
churned did
choars at night

Ther.

THURSDAY 3

Wea.

Mr. S. and I broke
up Ella went to
Canterbury choared
around at noon
finished pease
did choars at
night

Ther.

SATURDAY 5

Wea.

dull helped women
in forenoon white
washed chicken coop
Mr. S. went to Canter
bury drew 2 loads
of manure ploughed
garden took away
banking

Ther.

SUN. MAY 6, 1888

Wea.

pleasant but cool
Mr Sanborn and I
went to church

Ther.

TUES. MAY 8, 1888

Wea.

warm finished
manure drew
dirt into hog pen
cultivated out
current bushes

Ther.

MONDAY 7

Wea.

fair day went
to brook for water
drew 20 loads of
manure & Ila went
to Canterbury church
choirs at night

6

Ther.

WEDNESDAY 9

Wea.

showery in forenoon
sorted potatoes
warm in afternoon
fixed fence Ila
went to Penacook

Ther.

THURS. MAY 10, 1888

Wea.

lowery Mr S. went
to Concord I
spread manure
behind house and
harrowed in
spread down in
field

Ther.

SAT. MAY 12, 1888

Wea.

rained hard in
A.M. did choars
washed wool & shelled
corn P.M. white
washed hen house
choareel around
went to Canterbury
bury at night
to Folgers Meeting

Ther.

FRIDAY 11

Wea.

dull set out
Onions cleaned
out sheep and
hog pen Mr. S. went
to Canterbury in
after noon I finish
ed manure down
in field picked
over apples

Ther.

SUNDAY 13

Wea.

dull drove the
gray cow to Mr
Wheeler to Bull
Mr S. and I went
to church Mr
Folger preached

Ther.

MON. MAY 14, 1888

Wea.

Cloudy Mr S. went
to Mr Morrill's to
break up I did Choad
choared around
and sawed
wood

Ther.

WED. MAY 16, 1888

Wea.

Mr S and I built
fence in forenoon
I went to Penacook
in afternoon to
get hair cut and
get clothing
Ella went to
Concord

Ther.

TUESDAY 15

Wea.

dull in forenoon
sorted potatoes
set out onions
choared Mr S
went to Mr Brown
fixed fence in
afternoon

Ther.

THURSDAY 17

Wea.

Mr S. and I built
~~fence~~ worked on road
in A. M. winered
beans in P. M.
dug on ditch
Mr S. went to Can-
terbury I did
choars at night

Ther.

FRI. MAY 18, 1888

Wea.

I went to Mr S. A. Morrills to pick rocks Mr S. harrowed on corn ground helped on choars at night

Ther.

SATURDAY 19

Wea.

dull blasted and drew off stone shoveled over compost pile in barn picked over beans Mrs. went to Mr Wheeler. I did choars

Ther.

SUN. MAY 20, 1888

Wea.

did choars Moses and I went to church very cold had frost at night

Ther.

MONDAY 21

Wea.

present but cool I helped Mr Morrill break up Moses went to Concord

Ther.

TUES. MAY 22, 1888

Wea.

warm dug on
ditch shovelled
over compost heap
Moses harrowed
picked stones

Ther.

WEDNESDAY 23

Wea.

warm marked
out for corn Ella
carried Mrs S. to
Penacook Moses
and I planted
corn down in field

Ther.

THURS. MAY 24, 1888

Wea.

warm finished
potatoes on side hill
Moses harrowed
ploughed out for
potatoes by hen
house planted
in afternoon Ella
went to Canterbury

Ther.

FRIDAY 25

Wea.

planted corn by
hen house Ella took
to Concord worked
in garden at
night

Ther.

SAT. MAY 26, 1888

Wea.

harrowed ground
behind house
marked out
and planted
with corn and
potatoes churn
etc

Ther.

SUNDAY 27

Wea.

fair day Mr. S. and
I went to Church

Ther.

MON. MAY 28, 1888

Wea.

cleaned out Valt
broke up for fodder
corn hained in
P. M. scraped
up manure in
hen house

Ther.

TUESDAY 29

Wea.

fare day Moses
went to Penacok
I helped Sam
Morrill shovel
manure and
sawered wood

Ther.

WED. MAY 30, 1888

Wea.

fair day I helped
Sam. Morrill break
up Mr S. planted
garden Ella
went to Concord

Ther.

FRI. JUNE 1, 1888

Wea.

fair day I worked
for E. Morrill in
A. M. and for S.
Morrill in P. M.
Mr S. went to Can-
terbury Ella to
Concord Dave
came home

Ther.

THURSDAY 31

Wea.

fair day scraped
up eight loads
of manure for
fodder corn threw
ten loads of dirt
into hog pen
spread and harrowed
manure
shower at night

Ther.

SATURDAY 2

Wea.

fair day platted
fodder corn and
potatoes Dave
went to Manchester
after Mrs S. came
home

Ther.

SUN. JUNE 3, 1888

Wea.

fair day Dave and
I went to Church
I wrote to Mother

Ther.

TUES. JUNE 5, 1888

Wea.

fair day I helped
Charles Morill
plant corn and
potatoes Mr S.
went to Tilton

Ther.

MONDAY 4

Wea.

fair day I wheel
ed in wood Day
made goat stock
dave and Ella
went away at
night

Ther.

WEDNESDAY 6

Wea.

hot I dug on ditch
Moses trimmed
trees Dave went
to Ben a cook shower
at night

Ther.

THURS. JUNE 7, 1888

Wea.

warm dug on ditch
drove white tail to
bull piled up apple
tree brush rained
shelled corn cleaned
cellar

Ther.

FRIDAY 8

Wea.

cultivated corn
down in field
and hauled some
have left for
lover

Ther.

SAT. JUNE 9, 1888

Wea.

finished corn
in field washed
sheep lambs and
calves in tobacco
choared at night

Ther.

SUNDAY 10

Wea.

fair day. Moses
and I went to
church and stay
ed at concert

Ther.

MON. JUNE 11, 1888

Wea.

Cold day I hauled
corn Moses and
Ella went to
Concord in P. M.
I did choars

Ther.

WED. JUNE 13, 1888

Wea.

fair day finished
corn behind
house hauled garden
planted beans
by hen house
planted over potato
down in field

Ther.

TUESDAY 12

Wea.

fair day finished
corn by hen house
cultivated and
hauled on corn
behind house

Ther.

THURSDAY 14

Wea.

rained churned
worked down cellar
picked over beets
Moses went to
Lanternburg wheel
led in wood in
P. M.

Ther.

FRI. JUNE 15, 1888

Wea.

lowery cultivated
and hoveled potatoes
down in field
cultivated potatoes
by hen house

Ther.

SUN. JUNE 17, 1888

Wea.

warm day Moses
and I went to
church I wrote
home

Ther.

SATURDAY 16

Wea.

fair day hoveled
potatoes by hen
house cultivated
potatoes behind
house and hoveled
some Moses went
to Penacook in P.M.

Ther.

MONDAY 18

Wea.

warm hoveled
potatoes behind
house drove the
gray heifer to
Wheeler the
second time

Ther.

TUES. JUNE 19, 1888

Wea.

fair day Churned
in morn Moses
and I cut bushes
on the road I
fixed chicken
coop at night

Ther.

WEDNESDAY 20

Wea.

helped Mr Brown
2 1/2 h in A. M. rained
came home and
choared helped
Mr B in P. M.
Moses went to
Concord

Ther.

THURS. JUNE 21, 1888

Wea.

helped Mr B. 4 h in
A. M. rained came
home and choared
in P. M. Moses went
to Canterbury

Ther.

FRIDAY 22

Wea.

lowery in A. M.
but hot in P. M.
helped Brown
hoe potatoes
all day

Ther.

SAT. JUNE 23, 1888

Wea.

Cultivated fodder
corn in morn
helped Mr. Brown
hoe all day

Ther.

MON. JUNE 25, 1888

Wea.

shyred & cleaned
out hog pen culti-
vated and hoed
potatoes by straw
berrys cultivated
on corn

Ther.

SUNDAY 24

Wea.

cool stayed at
home and read

Ther.

TUESDAY 26

Wea.

hoed corn in A.M.
down in field
Mr and Mrs W.
went to funeral
dull in P.M.
shelled corn
and sawed
wood

Ther.

WED. JUNE 27, 1888

Wea.

Evell Moses and
I hauled corn
down in field
Ella went to
Concord I went
to Centre at
night

Ther.

THURSDAY 28

Wea.

Evell I hauled
potatoes by house
Moses went
to Webster

Ther.

FRI. JUNE 29, 1888

Wea.

fair day hauled
corn by hen house
cultivated
potatoes behind
house

Ther.

SATURDAY 30

Wea.

fair day cultivated
potatoes
and corn behind
house hauled
potatoes and
some corn

Ther.

SUN. JULY 1, 1888

Wea.

cool and showery
 Mr and Mrs went
 to church I stayed
 at home and
 red drove white
 stall to bull the
 second time

Ther.

MONDAY 2

Wea.

fair day finished
 corn in house
 cultivated potato
 down in field
 and hauled them
 churned and
 helped wash

Ther.

TUES. JULY 3, 1888

Wea.

fair day helped
 W. Wheeler hoe in
 A. M. walked to
 Pengeook in P. M.
 took 3 o'clock train
 and came home
 went to grange
 at night

Ther.

WEDNESDAY 4

Wea.

fair day stayed
 at flat in A. M.
 went to Farm
 in P. M. went to
 Albans at night
 and to Division
 in evening

Ther.

THURS. JULY 5, 1888

Wea.

fair day Sen took
me to Beaport
came to Pengawok
walked to Mr. S.
in A. M. weel on jo
ns and hayed
in P. M. went
to Mr. Beans
with horse

Ther.

FRIDAY 6

Wea.

fair day hayed
Moses mowed I
clipped drew in
two loads raked
and heaped

Ther.

SAT. JULY 7, 1888

Wea.

fair day hayed
Moses mowed
I opened heaps
Johnny Perry hel
ped drew in 6
loads Ella went
to Concord

Ther.

SUNDAY 8

Wea.

fair day Moses
went to church
Mr. Brown called
I wrote to Sen and
carried it to
Canterbury at
night

Ther.

MON. JULY 9, 1888

Wea.

lowery drew in one
load Moses mowed
some with machine
I mowed behind
house among trees

Ther.

WED. JULY 11, 1888

Wea.

fair day hayed I
clipped Moses mowed
with machine Harry
Berry helped all day
drew in 5 loads

Ther.

TUESDAY 10

Wea.

fair day hayed I
clipped Moses mowed
with the machine Harry
Berry helped in P. M.
drew in 4 loads

Ther.

THURSDAY 12

Wea.

cool and windy
Moses went to Concord
to get machine fixed
I spaded green feed
potatoes and choard

Ther.

FRI. JULY 13, 1888

Wea.

fair day hayed A. B.
little drew 2 loads
Moses went to Concord
for parts of machine

Ther.

SATURDAY 14

Wea.

fair day hayed
Moses mowed with
machine I clipped
drew 3 loads Harry
Berry helped in
P. M. churned in
morn

Ther.

SUN. JULY 15, 1888

Wea.

fair day Moses and
I went to church
recd a card from
Mother Gave came
home to help in
meadow

Ther.

MONDAY 16

Wea.

fair day finished
up land drew 1
load Gave and I
mowed on the
meadow
raked and heaped
in P. M.

Ther.

TUES. JULY 17, 1888

Wea.

fair day hayed mowed
in A. M. and pulled
out drew 1 load
raked and mowed
in P. M.

Ther.

WEDNESDAY 18

Wea.

fair day hayed
mowed and pulled
out in A. M.
drew 1 load and
raked in P. M.
Dave and Ella
went to Canterbury
at night

Ther.

THURS. JULY 19, 1888

Wea.

rained Dave left
cleaned out hen
and chicken coops
pitched over hay
in barn and pitched
off load drilled
stone and drew
off vinegar

Ther.

FRIDAY 20

Wea.

lowery mowed
some raked and
heaped shovelled
about house

Ther.

SAT. JULY 21, 1888

Wea.

fair day hayed
mowed and polled
in A. M. drew
2 loads and raked
in P. M. John
Perry helped all
day

Ther.

SUNDAY 22

Wea.

fair day Mr. S.
and I went
to church

Ther.

MON. JULY 23, 1888

Wea.

fair in A. M.
finished mowing
meadow drew
in 2 loads shower
P. M. Ellg went to
Concord I choared

Ther.

TUESDAY 24

Wea.

finished with
Mr. Lamborn he
took me to Penderg
I took motor ~~at~~ nt
Concord took
steam cars to
Potter Place walked
home helped
Alban in P. M.
Potter Place at night

Ther.

WED. JULY 25, 1888

Wea.

fair day hayed
 I mowed 30 heaps
 helped Alban in
 P.M. I drew in 1
 load Ben & men
 finished all up
 I went to Flat
 and Billersville
 at night

Ther.

THURSDAY 26

Wea.

fair day hayed
 drew 2 loads
 went to Potter
 Place at night

Ther.

FRI. JULY 27, 1888

Wea.

lowery Chasped went
 to Potter Place for
 grind stone took sick
 to D. Andrews S.
 Dargin fixed pipe
 I mowed grass at
 Flat in P.M.

Ther.

SATURDAY 28

Wea.

fair day hayed
 drew in 2 loads
 drew in grass
 at Flat

Ther.

SUN. JULY 29, 1888

Wea.

fair day went to
church stopped
at aunt Plumys
went to Albans

Ther.

TUES. JULY 31, 1888

Wea.

fair day hayed
drew in 1 load
went to flat for
grind stone

Ther.

MONDAY 30

Wea.

fair day hayed
but and drew bat
sled to ~~house~~
Farm went to
flat moved
at night

Ther.

WEDNESDAY, AUG. 1

Wea.

fair day hayed
drew 2 loads
went to Division
at night

Ther.

MON. AUG. 6, 1888

Wea.

rained all day
went to Warner
with Abbie Dales
came home at
night

Ther.

TUESDAY 7

Wea.

dull all day
mowed and
cleared around
went to Belat

Ther.

WED. AUG. 8, 1888

Wea.

dull mowed
and cultivated
potatoes Father
went to mill

Ther.

THURSDAY 9

Wea.

cleared off in
P. M. hayed
raked with horse
rake drew in
2 loads

Ther.

FRI. AUG. 10, 1888

Wea.

fair day hayed
drew on 2 loads
picked potatoe
bugs

Ther.

SUN. AUG. 12, 1888

Wea.

dull day went
to Lake O. G. Gregory
and I. and to
Sunapee harbor

Ther.

SATURDAY 11

Wea.

lowery morning
picked potatoe
went to Billingsville
and to Centre
to get horse shoe

Ther.

MONDAY 13

Wea.

dull day found
dead two years old
worked about barn
went to Flat

Ther.

TUES. AUG. 14, 1888

Wea.

fair day found
 oxen drew in one
 load of hay Father
 and Mother went
 to Aunt Jennie

Ther.

WEDNESDAY 15

Wea.

fair day hayed
 and picked potato
 bugs drew in one
 load went to
 Division

Ther.

THURS. AUG. 16, 1888

Wea.

fair day hayed
 drew 1 load went
 to Gilleysville
 with aunt Martha

Ther.

FRIDAY 17

Wea.

dull day vine
 Adams came up
 and spent the
 day I took him
 to Gilleysville
 at night

Ther.

SAT. AUG. 18, 1888

Wea.

fare day hayed
drew 1 load Mother
spent the day at
the flat

Ther.

SUNDAY 19

Wea.

fare day carried
Mother to Gilley's
to stay with Aunt
Martha & niece
Adams and I
went to Albans

Ther.

MON. AUG. 20, 1888

Wea.

fare day hayed
drew 1 load & niece
Adams came up
I carried him
back at night

Ther.

TUESDAY 21

Wea.

hovey moved
Mother and I went
to graze I. Paid
fess & it rained

Ther.

WED. AUG. 22, 1888

Wea.

Cold and Cloudy
choared picked
potato bugs Father
and Mother went
to Flat uncle
Adams called

Ther.

THURSDAY 23

Wea.

fare day hayed
drew 2 loads
Father took Ben to
depot she and
uncle Adams
started for Haven
hill

Ther.

FRI. AUG. 24, 1888

Wea.

Fare day hayed
drew 2 loads

Ther.

SATURDAY 25

Wea.

fare day hayed
drew 1 load and
finished cultivat
ed potatoes went
to better place
and Flat

Ther.

SUN. AUG. 26, 1888

Wea.

fare day went to
church and prayer
meeting

Ther.

TUES. AUG. 28, 1888

Wea.

cool finished fence
between Walt and
fence between
Heaths

Ther.

MONDAY 27

Wea.

fare day fenced
side road and
between Walt
went to Division
public meeting

Ther.

WEDNESDAY 29

Wea.

fare day finish
fence between
Heaths and
commenced on
north side went
to division

Ther.

THURS. AUG. 30, 1888

Wea.

fare day fencd
beside road on
north side

Ther.

FRIDAY 31

Wea.

fare day fencd
on road and
between Phelps
bush fencd went
to 3rd Division

Ther.

SAT. SEPT. 1, 1888

Wea.

dull choiced
went to Albans

Ther.

SUNDAY 2

Wea.

stayed at home
camp meeting
opened Mother
went

Ther.

MON. SEPT. 3, 1888

Wea.

fare day fenced
fenced in wood
between Phelps
and Islanders
went to camp
meeting at night

Ther.

TUESDAY 4

Wea.

fare day took calves
from cows choared
went to meeting
at night

Ther.

WED. SEPT. 5, 1888

Wea.

fare day choared
went to camp
meeting at P.M.
and at night

Ther.

THURSDAY 6

Wea.

fare day choared
went to camp
meeting in P.M.
and at night

Ther.

FRI. SEPT. 7, 1888

Wea.

fare day polled
wall by bars in
south field mowed
wheat went to
camp meeting
at night

Ther.

SATURDAY 8

Wea.

rained Dave and
Heath cut calf and
lamb chvared
about barn went
to Flat

Ther.

SUN. SEPT. 9, 1888

Wea.

fair day went
to salvation
army meeting
all day and
evening

Ther.

MONDAY 10

Wea.

fair day finished
cutting wheat
went to Albans
at night and
to all Tom Geary

Ther.

TUES. SEPT. 11, 1888

Wea.

fair day raked
wheat choared
about barn

Ther.

THURS. SEPT. 13, 1888

Wea.

cool and cloudy
Mother and Gen
went to Tilton
fair. I choared, went
to Depot at
night

Ther.

WEDNESDAY 12

Wea.

dull day went
to mountain to
see sheep went to
Albans for Gen

Ther.

FRIDAY 14

Wea.

fair day I went
to Tilton, fair
walked home at
night, Blancha
and Edwied

Ther.

SAT. SEPT. 15, 1888

Wea.

fair day heaped
and loaded
wheat drew
load to Walts
barn the other
at home

Ther.

SUNDAY 16

Wea.

dull day I
took gear to O. H.
bricks to start
for Spring field
Mother and I
went to Flat

Ther.

MON. SEPT. 17, 1888

Wea.

dull day drove
pink to John. bags
dull in A. M. got
wheat threshed
Walter Swette drew
one load wheat
threshed 12 bushels

Ther.

TUESDAY 18

Wea.

dull day pitched
off straw and
empted wheat
returned Walts
rack and bags
went to Flat

Ther.

WED. SEPT. 19, 1888

Wea.

fairer weather
fence filled bed
cleaned up barn
Father and Mother
went to Aunt J.
I went to Division

Ther.

THURSDAY 20

Wea.

dull day mow-
ed brakes choaxe

Ther.

FRI. SEPT. 21, 1888

Wea.

rained hard
all day choaxed
went to Flat

Ther.

SATURDAY 22

Wea.

fairer weather
mowed brakes
Father and Mother
went to Aunt J.
and to Flat

Ther.

SUN. SEPT. 23, 1888

Wea.

fair day went
to Centre Church
in A.M. and P.M.
aunt J. and M.
came to Farm

Ther.

MONDAY 24

Wea.

fair day mowed
and got in second
crop. Father and
Mother went to Flat

Ther.

TUES. SEPT. 25, 1888

Wea.

fair day Aunt
Sen and I went
to Spring field
fair

Ther.

WEDNESDAY 26

Wea.

dull rained hard
fixed horse stall
choared about barn
went to Division

Ther.

THURS. SEPT. 27, 1888

Wea.

fair day board
up barn laked
and got in one
load of brakes
Father and
Mother went to
aunt Jins and
to Delat

Ther.

FRIDAY 28

Wea.

fair day choared
went to Sutton
Mills at night

Ther.

SAT. SEPT. 29, 1888

Wea.

fair day got in
one load of brakes
traided for
waggon of C. J.
& sons for which
I agreed to pay
12 cords green
wood

Ther.

SUNDAY 30

Wea.

cold day went
to Albans and
to eve meeting

Ther.

MON. OCT. 1, 1888

Wea.

rained got in
wood chopped
went to Flat
with cart

Ther.

TUESDAY 2

Wea.

dull went to Centre
for repair of waggon
Father commenced
ploughing I mowed
brakes went to
Centre at night

Ther.

WED. OCT. 3, 1888

Wea.

cold raked brakes
went to New London
fair and to Shepard
and to grange at
night

Ther.

THURSDAY 4

Wea.

cold got in 2 loads
of brakes went to
Flat and dug pota

Ther.

FRI. OCT. 5, 1888

Wea.

drove blanchard to
bars. A. M. cleaned
up floor ploughed
went to Flat at
night

Ther.

SUN. OCT. 7, 1888

Wea.

rained went to Aunt
Jens and to Centre
Church at night

Ther.

SATURDAY 6

Wea.

rained changed
carts choared went
to mill and to
Flat

Ther.

MONDAY 8

Wea.

cold day dug
potatoes went to
Albans at night

Ther.

TUES. OCT. 9, 1888

Wea.

cold and squally
drew 1 load of
wood and 2 loads
of manure
Chas. and I went
to Flat

Ther.

THURS. OCT. 11, 1888

Wea.

fair day dug pots
at Clough's place
in P. M. Father
went after Albar
folks I carried
them back at
night

Ther.

WEDNESDAY 10

Wea.

dug potatoes choared
went to Centre
at night

Ther.

FRIDAY 12

Wea.

dull day women
led to dig potatoes
rained drew
manure

Ther.

SAT. OCT. 13, 1888

Wea.

rained went to Flat
choared Ben. & more
bought wood on
mountain lot dress
manure

Ther.

MON. OCT. 15, 1888

Wea.

dug potatoes
Frank blough helped

Ther.

SUNDAY 14

Wea.

snowed stayed
at home went to
Flat at night
got hair cut went
to meeting

Ther.

TUESDAY 16

Wea.

fixed fence unloa
ded potatoes dug
a few choared
went to Flat

Ther.

WED. OCT. 17, 1888

Wea.

dull day finish
digging potatoes
raised 82 bushels
went to centre

Ther.

THURSDAY 18

Wea.

Cold picked app-
les went to Delat
at night

Ther.

FRI. OCT. 19, 1888

Wea.

fair day picked
apples Father and
Mother went to Delat

Ther.

SATURDAY 20

Wea.

fair day picked
apples Father
freel potato pen

Ther.

SUN. OCT. 21, 1888

Wea.

Sold Tom Greaney
and I went to mountain
Alban camp
over and picked
apples I carried
him home and stayed
all night

Ther.

MONDAY 22

Wea.

fair day went
to Ben Emons
bought yearling
of Mark Moore
went to Andover
ctr at night

Ther.

TUES. OCT. 23, 1888

Wea.

fair day went to
W. Gladders and
got a deed for Ben
Emons of the
wood on the mountain
wood lot
choared went to
Flat at night

Ther.

WEDNESDAY 24

Wea.

dull day unloaded
apples moved potato
went to Centre

Ther.

THURS. OCT. 25, 1888

Wea.

fair day drove
blanch to bars
the second time
father went to flat

flat for barrels
went to centre
at night

Ther.

FRIDAY 26

Wea.

fair day picked
apples father
ploughed I went
to Leysville at
night

Ther.

SAT. OCT. 27, 1888

Wea.

dull day churned
father ploughed
choard went to
flat

Ther.

SUNDAY 28

Wea.

dull day went
to flat and to
Albans

Ther.

MON. OCT. 29, 1888

Wea.

fair day drew 1
load of wood 3 loads
of manure went
to ando - etc at
night

Ther.

TUESDAY 30

Wea.

fair day drew 3 loads
of manure picked
1 box of apples

Ther.

WED. OCT. 31, 1888

Wea.

fair day went to
Glat in A.M. got
saw and barley went
to New London in
P.M. got tooth pulled
went to Division at
night

Ther.

THURSDAY, NOV. 1

Wea.

fair day finished
baldwins picked
sweet apples

Ther.

FRI. NOV. 2, 1888

Wea.

fair day picked
apples went to
J. Mores auction
bought three year
old steers and
drove them home

Ther.

SATURDAY 3

Wea.

dull day fixed
fence Charles went
to Flat

Ther.

SUN. NOV. 4, 1888

Wea.

fair day went to
Centre and to sub-
sath school also
to evening meeting

Ther.

MONDAY 5

Wea.

fair day unloaded
one load of apples
and picked another

Ther.

TUES. NOV. 6, 1888

Wea.

fair day went to
centre to town
meeting

Ther.

WEDNESDAY 7

Wea.

fair day went to
Bhat spread manure
drew off stones pit
red apples went
to division

Ther.

THURS. NOV. 8, 1888

Wea.

fair day unloaded
apples & hoarded
around got up
cattle

Ther.

FRIDAY 9

Wea.

dull day drew
manure & loads
father went off

Ther.

SAT. NOV. 10, 1888

Wea.

dull day drew
manure 4 loads
got up all the cattle
went to Flat

Ther.

SUNDAY 11

Wea.

fair day went
to mountain to
salt sheep

Ther.

MON. NOV. 12, 1888

Wea.

fair day drew manure
2 loads picked
stones 3 loads went
to Flat and to
Potter Place

Ther.

TUESDAY 13

Wea.

fair day broke up
drew 2 loads of
wood went grange

Ther.

WED. NOV. 14, 1888

Wea.

fair day went to
center we got
horse shod and
waggon fixed went
to division

Ther.

FRI. NOV. 16, 1888

Wea.

fair day finished
spreading manure
we went to W-A-nd
over at night

Ther.

THURSDAY 15

Wea.

dull day went
to care with
Blanch the third
time spread manure

Ther.

SATURDAY 17

Wea.

fair day Father
ploughed I went
to flat to work

Ther.

SUN. NOV. 18, 1888

Wea.

fair and calm
stayed at home
in A.M. went
to Albans in P.M.

Ther.

TUES. NOV. 20, 1888

Wea.

cold day drew
2 loads of banki-
ng went to
Bridges after 1
load saw dust

Ther.

MONDAY 19

Wea.

dull day choared
around went to
Flat at night

Ther.

WEDNESDAY 21

Wea.

fair day Father
went to Potter
Place I choared went
to Flat at night

Ther.

THURS. NOV. 22, 1888

Wea.

fair day hoared
chopped wood went
to Potter Place

Ther.

FRIDAY 23

Wea.

fair day choared
went to Beng
Omons after calf

Ther.

SAT. NOV. 24, 1888

Wea.

fair day went
to Dodge's after
load of sawdu
st went to Flat
at night

Ther.

SUNDAY 25

Wea.

dull day snowed
hard went to
mountain after
sheep

Ther.

MON. Nov. 26, 1888

Wea.

dull day choar-
-reel went to Dilat
at night

Ther.

WED. Nov. 28, 1888

Wea.

cleared off got
ten shod went
W. A. and over after
open went to and
over-ctr to divi-
sion at night

Ther.

TUESDAY 27

Wea.

dull day choar-
-reel unloaded
saw dust went
to centre

Ther.

THURSDAY 29

Wea.

dull day went
to Dilat and after
Albans folks in
M. choard went
to centre and to
W. A. and over at
night

Ther.

FRI. NOV. 30, 1888

Wea.

dull day went
to Centre after
Albany folks in
A.M. fixed steps
and carried the
home at night

Ther.

SUN. DEC. 2, 1888

Wea.

fair day Aunt Gen
came down Gen
went back with her
at night Mother
and I went to
Anelo-ctr at night

Ther.

SATURDAY, DEC. 1

Wea.

fair day choared
went to Anelo-
ctr after stove went
to Centre after
old waggon went
to Silat after mail

Ther.

MONDAY 3

Wea.

fair day drew
3 loads of wood
Father and Mother
went to Silat I went
to Anelo-ctr at
night

Ther.

TUES. DEC. 4, 1888

Wea.

fair day drew wood
1 load went to
grange

Ther.

THURS. DEC. 6, 1888

Wea.

Fair Day drew
manure 4 loads
got shoes set on ok

Ther.

WEDNESDAY 5

Wea.

fair day drew manure
6 loads choared

Ther.

FRIDAY 7

Wea.

fair day drew 1 load
of manure. Currier
and I killed 2 sheep
went to Centre

Ther.

SAT. DEC. 8, 1888

Wea.

fair day went to
Flat top to Potter
Pole with Ben pick
stones 3 loads

Ther.

MON. DEC. 10, 1888

Wea.

Seowery day
went to Flat
and to mill
went to brook etc
at night

Ther.

SUNDAY 9

Wea.

dull day Ben
went to Centre
Alban came over
and I carried him
home at night

Ther.

TUESDAY 11

Wea.

dull day choared
went to Centre and
to Flat

Ther.

WED. DEC. 12, 1888

Wea.

Fair Day choared in
A.M. yarded wood
in P.M. went to
Centre at night

Ther.

FRI. DEC. 14, 1888

Wea.

Fair Day drew
banking choared
went to Flat at
night

Ther.

THURSDAY 13

Wea.

Fair Day choared
in A.M. yarded
wood in P.M.

Ther.

SATURDAY 15

Wea.

Fair day went to
Centre West Arch
yes Patter Place and
Flat

Ther.

SUN. DEC. 16, 1888

Wea.

Fair Day stayed
at home Father
went to Albans
Mrs Greaney called

Ther.

TUES. DEC. 18, 1888

Wea.

dull in A.M.
cleared off in
P.M. Choald
went to grange

Ther.

MONDAY 17

Wea.

dull Day went
to Centre and
got horse shod
went to W. and
ver and Flat
Alban came over
and changed
cart and sack
went to Andover
etc at night

Ther.

WEDNESDAY 19

Wea.

Fair Day got
Phelps cattle and
moved Alban to
the mountain

Ther.

THURS. DEC. 20, 1888

Wea.

Fair Day Carried
Belle and Child
to mountain

Ther.

SAT. DEC. 22, 1888

Wea.

Fair Day Cold
Chaired in A. M.
drew 2 loads of
wood in P. M. went
to flat at night

Ther.

FRIDAY 21

Wea.

Fair Day Wescott
came after hay
in A. M. drew
1 load of wood in
P. M. Chaired

Ther.

SUNDAY 23

Wea.

Fair Day Aunt
J. came down
I carried her
home and went
to meeting at
night

Ther.

MON. DEC. 24, 1888

Wea.

fair day day
out water wet
for Jim Dwyer
to soldier pen
went to centre
at night

Ther.

TUESDAY 25

Wea.

Warm and mild
chooped around
Father and Mother
went to mountain
I went to Flat at
night

Ther.

WED. DEC. 26, 1888

Wea.

Warm and mild
chooped wood chooped
went to Division

Ther.

THURSDAY 27

Wea.

Fair in A.M. chooped
wood dull in P.M.
went to Mill and
Flat

Ther.

FRI. DEC. 28, 1888

Wea.

Fair Day went to
centre in A.M.
chopped wood in
P.M. went to West
Andover at night

Ther.

SATURDAY 29

Wea.

Fair Day chopped
wood went to Flat
at night

Ther.

SUN. DEC. 30, 1888

Wea.

Warm and Mild
stayed at home
went to evening
meeting at night

Ther.

MONDAY 31

Wea.

Warm and Mild
chopped wood went
to singing school
at Andover at
night

MEMORANDA

MEMORANDA

MEMORANDA

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MEMORANDA

CASH ACCOUNT. APRIL.

Date.	Received.	Paid.
16	this diary	10 2
29	envelopes	

CASH ACCOUNT. APRIL.

[illegible]

CASH ACCOUNT. JUNE.

Date.		Received.	Paid.
1	rub boots		26
p	stamps		7
26	overalls		

CASH ACCOUNT. JUNE.

CASH ACCOUNT. JULY.

Date.	Received.	Paid.
9	4 00	
11		80
14		16
14		1 00
14		76
14		10
15		80
18	1 00	
19		10
24		
24	40 19	
24		17
24		2 52
24		1 00
24		76
24		16
24		28
26	76	

CASH ACCOUNT. JULY.

Date.	Received.	Paid.
26		36
26		30
27		26
27		50
27		30
27		2 13
31		1 76

CASH ACCOUNT. AUGUST.

Date.		Received.	Paid.
1	dues to		
	Division		
4	halter		
11	sholing		
	horse		
13	fair on		
	steamer		
21	neck tie		
"	lent pen		
22	division		
26	axe handle		
"	whip stalk		
26	cutting		
	hair		
29	sing book		

CASH ACCOUNT. AUGUST.

[illegible]

CASH ACCOUNT. SEPTEMBER.

Date.		Received.	Paid.
1	setting shoe		15
4	setting shoe		30
8	hinges and screws		17
12	salt		6
"	hen	17	
13	salt		6
14	ticket		60
"	ride		16
"	peanuts		18
25	hay		10
28	candy		10
"	peanuts		10

CASH ACCOUNT. SEPTEMBER.

[illegible]

CASH ACCOUNT. OCTOBER.

Date.		Received.	Paid.
2	repair		
	of waggon		40
5	potatoes		42
	digger		10
6	basket		10
"	peanuts		10
14	cutting		10
	hair		10
23	boot heel		10
"	clerd of		10
	wood		10
"	wood lot	676 00	
"	note		52 82
"	barrel		10
"	check		10
24	taxes	67 75	
25	note	1108 87	
"	flour	7 00	
"	barrels		70

CASH ACCOUNT. OCTOBER.

Date.		Received.	Paid.
27	steer of		
	M. Morey		16 00
28	cheese		17
31	barley		70
"	telephone		16
"	fibing saw		16
"	Bull bill		1 60
"	pulling tooth		60
"	division		26
"	onions		38
"	postage		3

CASH ACCOUNT. NOVEMBER.

Date.		Received.	Paid.
3	to Shepard		
"	for steers		72 00
"	to Emory		10 00
"	for calf		
4	note to bounty		34 00
10	cheese		6
"	peanuts		6
12	campaign		1 00
"	soda		8
"	chick		8
"	shirts		3 20
"	bows		6
"	all and handle		96
14	sporing		
"	horse		96
"	clasher		96
"	division		1 00
16	crack corn		1 00
18	salt		2 00
19	wheat		2 00
"	bow pins		18
"	boot		6

CASH ACCOUNT. NOVEMBER.

Date.		Received.	Paid.
"	blough for		
"	digging potato		76
22	grasshops		1 50
"	felt boots		1 26
"	stockings		37
"	matches		9
"	cash on credit		60
24	middle things		2 10
"	meal		1 20
"	cheese		18
"	quilt paper		8
"	peanuts		6
28	shoeing oxen		2 16
"	wash cloth		10
"	groceries		38
29	vest		1 00
"	mitten		60
"	ivory		1 00
"	sandy		6

CASH ACCOUNT. DECEMBER.

Date.		Received.	Paid.
1	stove and		21
3	picture		19
3	sing book		65
6	repair of		29
	wagon	1	64
7	killing		24
	sheep		26
..	kerosine		16
8	groceries		25
10	shorts	2	20
..	toe		26
..	shoes	1	28
..	tuition to		
	sing school	1	00
11	ox balls		30
12	Division		16
16	ox balls		16
..	whip stalk		20
17	ox balls		34

CASH ACCOUNT. DECEMBER.

Date.		Received.	Paid.
	crackers		6
	tea		16
	plaster		16
	soldering		60
	pipe		60
	axe handle		26
	Gave Mother		26
	kerosine		16
	Shoeing		
	horse		70
	dues to		
	Division		26
	pants	1	60
	overall		66
	puller		10
	diary		36

SUMMARY OF CASH ACCOUNT.

		Received.	Paid.
JAN.			
FEB.			
MAR.			
APR.			
MAY.			
JUNE.			
JULY.			
AUG.			
SEPT.			
OCT.			
NOV.			
DEC.			

BILLS PAYABLE. JANUARY.

[illegible]

BILLS PAYABLE. FEBRUARY.

Date.	NAME.	Dolls.	Cts.
RECEIVABLE.			

BILLS PAYABLE. MARCH.

[illegible]

BILLS PAYABLE. APRIL.

[illegible]

BILLS PAYABLE. MAY.

Date.	NAME.	Dolls.	Cts.
	RECEIVABLE.		

BILLS PAYABLE. JUNE.

Date.	NAME.	Dolls.	Cts.
	RECEIVABLE.		

BILLS PAYABLE. JULY.

Date.	NAME.	Dolls.	Cts.
	RECEIVABLE.		

BILLS PAYABLE. 19 OCTOBER. 8

Date.	NAME.	Dolls.	C.
RECEIVABLE.			

BILLS PAYABLE. NOVEMBER.

[illegible]

BILLS PAYABLE, IN DECEMBER.

Date.	NAME.	Dolls.	Cts.	Date.
RECEIVABLE.				

MEMORANDA.

[illegible]

MEMORANDA.

ADDRESSES.

[illegible]

ADDRESSES.

NAME.

STREET, No.

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CALLS.

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Returned.

CALLS.

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CALLS.

CALLS.

[illegible]

CALLS.

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CALLS.

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LETTERS.

Rec'd.

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Answered.

LETTERS.

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Answered.

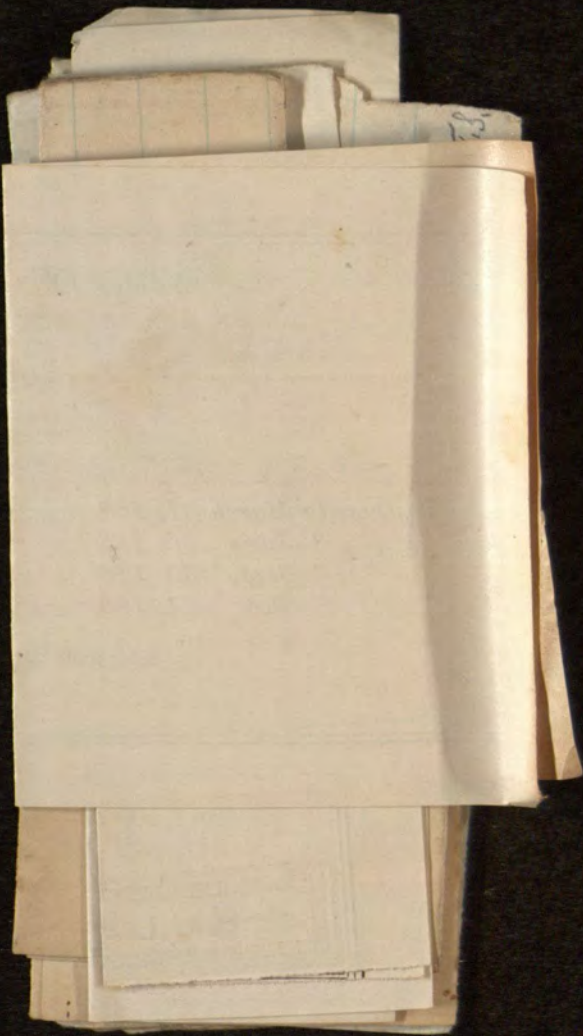
LETTERS.

Rec'd.

NAME.

Answer

E. J. L.

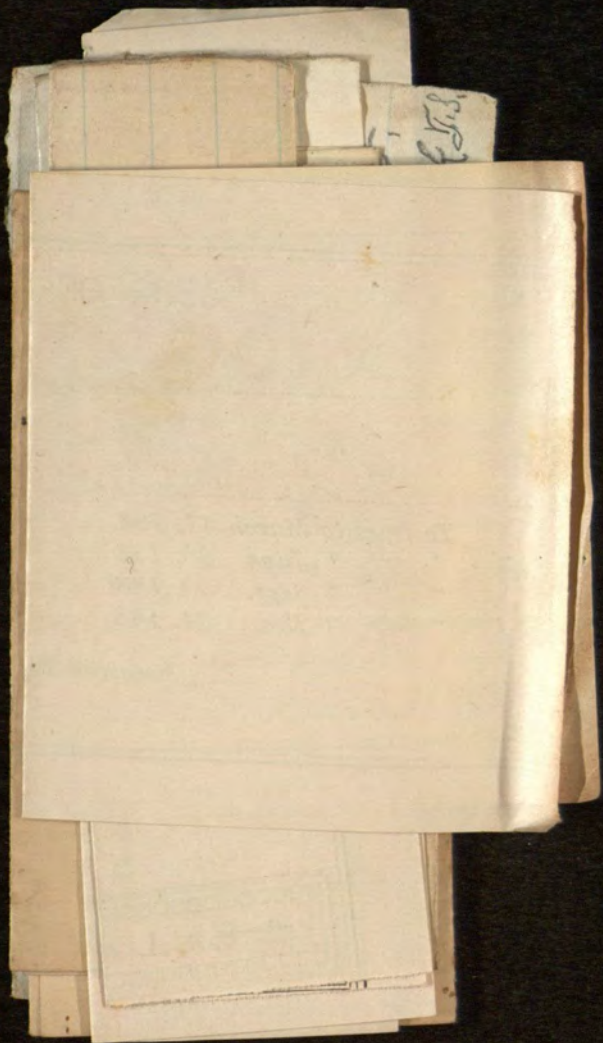
[illegible]

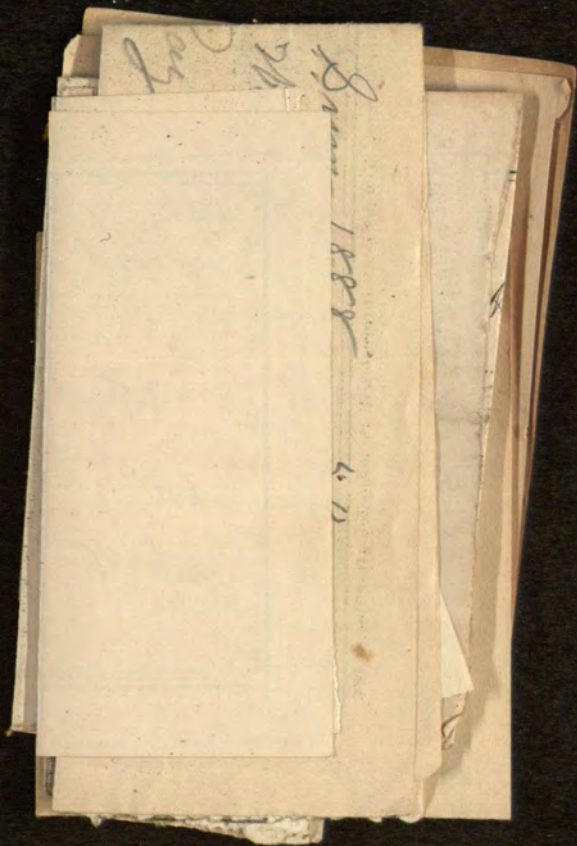
LETTERS.

Rec'd.

NAME.

Answer





SONS OF TEMPERANCE.

Blackwater Division, No. 49

Aug 8 188
Will Thompson Dr.

To Dues to March 31, 188	,	-	-	-	-	\$	
" " " June 30, 188	,	-	-	-	-		
" " " Sept. 30, 188	,	-	-	-	-		23
" " " Dec. 31, 188	,	-	-	-	-		

Received Payment,

\$ 23

Will Thompson F. S.

SONS OF TEMPERANCE.

Blackwater

Division, No. 79

Oct. 17th 1880

Will Thompson

Dr.

To Dues to March 31, 188	,	-	-	-	-	\$	
" " " June 30, 188	,	-	-	-	-		
" " " Sept. 30, 188	,	-	-	-	-		
" " " Dec. 31, 1880	,	-	-	-	-		25-

Received Payment,

\$ 25-

Mary D. Morrill, F. S.

S. OF T.

Wilmot-Flat. N.H. *Mar 17* 1887

Mrs W Thompson
To FRANK W CROCKETT. Dr.

IRON-SMITH.

1886

Dec	30	L	Repairs yoke	75
187		"	1 b Girth	5-
Feb	2	"	1 - Girth	25-
	10	"	4 b Girths	20
Mar	10	"	2 b Girth	60
	15	"	2 b Girths	10
	17	"	Repairs Saddle	10
				205

Beer Pay

J W Crockett

$$\begin{array}{r} 1888 \quad 10 \quad 25 \\ 1887 \quad 1 \quad 20 \\ \hline 1 \quad 9 \quad 5 = 100\text{¢} \end{array}$$

$$100 \times 100\text{¢} = 10,000\text{¢}$$

$$= 100\text{¢}$$

$$100 + 10.08 = 110.08$$

$$\frac{100}{6}$$

$$6.00 \times 0.45\text{¢} = 28 \text{ a. } 27\text{¢}$$

$$116.08 + 28 = 144.08$$

S Thompson

Oct 23rd 1888. Rec'd
One hundred and
ten dollars and
eighty seven cents.
(8/10.87)

(\\$100,00) 7
Witnessed M. E. Jan'y 20th /88
For value received I
promise to pay
John M. Carr or Order
One Hundred Dollars
on demand with interest
annually



A. P. E. ERSON PRINTER, ALTON BAY, N. H.

Wilmot, N. H., *June* 1889

To *Samuel Thompson*

The Taxes assessed against you in the town of Wilmot, for the year 1889, are committed to me for collection, and are as follows:

State, County, Town, and School Taxes,	\$ <i>35.66</i>
Dog Tax, <i>Same for Mountain Pasture</i>	<i>3.00</i>
Highway Tax, <i>Same for Gray Place</i>	<i>4.00</i>
School-house Tax,	

Edwin D. Downes, Collector.

\$ 42.66

Interest

Received Payment,

Feb 26

188

E. D. Downes

Collector.

Poll taxes are due upon presentation of bill. Taxes on property after 14 days. Ten per cent. interest will be collected after Dec. 1, 1889.

Highway Tax for 1888
Dund Morham Parish

Rec'd Pay

Summer

14.55

(9.00

17.35

Winter

8.98

(1.50

9.88

E. D. Downes

Collector

S. Thompson Note
Feb. 11. 1887 \$76.00

Oct 22. 1888
Received of Samuel Thompson
Eighty two dollars and eighty
two cents
Sam. Thompson.

Wilmot - Flat N. H. Feb. 11th
1887

For value received I promise to pay
Benjamin Emons or order,
seventy five dollars on demand
with interest - annually,

Samuel Thompson

Wilmot-March 4th 1886.

For value received I
promise to pay Jennie P.
2. White twenty five dollars
on demand with interest,
Samuel

Silver Cascade Div No 50, Sep 3.
Wilmet - N.H., Dec 26, 1888.

Willie M. Thompson Dr.
Dues to Dec 31, 1888.

Received Payment,

Addie Pedrick F.S.

SONS OF TEMPERANCE.

Silver Cascade

Division, No. 50

Will Thompson June 26

1889

Dr.

To Dues to March 31, 188

"	"	"	June 30, 1889	-	-	-	-	\$	
"	"	"	Sept. 30, 188	-	-	-	-		50
"	"	"	Dec. 31, 188	-	-	-	-		

Received Payment,

May A Gordon F. S. 50

—MONTHLY STATEMENT—

Penacook, N. H., May 16 1888.

Mr. Moses C. Sanborn

→ To C. H. SANDERS, Dr.,

—DEALER IN—

READY-MADE CLOTHING,

Gentlemen's Furnishing Goods.

BOOTS, SHOES AND RUBBERS.

Shoes	3 00
Hat	2 00
Suspenders	1 00
Trock	25-
Rubbers	70
Collar	75
	20
	\$ 7 90
dis	25
Called	7 65
Cash	35
	8 00

del. bearer per order

S. OF T.

SONS OF TEMPERANCE.

Blackwater Division, No. 49

June 13 1880

Will Thompson Dr.

To Dues to	March 31, 188	,	-	-	-	\$	
" " "	June 30, 1880,		-	-	-		20
" " "	Sept. 30, 188	,	-	-	-		
" " "	Dec. 31, 188	,	-	-	-		

Received Payment,

\$ 20

Fellie Pierce F. S.

Independent Order of Good Templars.

Blackwater..... Lodge No. 66

Received from.. Will Thompson

\$ 25-..... on account of Quarterly Dues to

Feb et..... 1898

Mabel Baldwin..... F. S.

Independent Order of Good Templars.

Blackwater Lodge No. 66

Received from W. Thompson

\$ 23 on account of Quarterly Dues to

Aug 1 18 89

M. L. Baldwin F. S.



W. P. E. ERSON PRINTER, ALTON BAY, N. H.

Wilmot, N. H., *June* 1889

To *Willie A. Thompson*

The Taxes assessed against you in the town of Wilmot, for the year 1889, are committed to me for collection, and are as follows:

State, County, Town, and School Taxes, \$ *1.00*

Dog Tax,

Highway Tax,

School-house Tax,

\$ *1.00*

Edwin D. Downes, Collector.

Interest

Received Payment,

Feb. 29

1889
188

E D

Downes

Collector.

Poll taxes are due upon presentation of bill. Taxes on property after 14 days. Ten per cent. interest will be collected after Dec. 1, 1889.

High way tax for June 1888

Wanted 11

50
25

75

Recd Pay

C. D. Barnes

collected

Independent Order of Good Templars.

Blackwater Lodge No. 66

Received from M. A. Thompson

\$ 2.50 on account of Quarterly Dues to

Nov 1 18 89

Mabel Baldwin F. S.

SONS OF TEMPERANCE.

S. C.

Division, No. 60

Wm. V. H. Aug. 1888

Willie Thompson

Dr.

To Dues to March 31, 1888	,	-	-	-	-	\$	
" " " June 30, 1888	,	-	-	-	-		24
" " " Sept. 30, 1888	,	-	-	-	-		
" " " Dec. 31, 1888	,	-	-	-	-		

Received Payment,

\$ 24

Jas. Woodward F. S.

Will Thompson

PRO. NO.



188

To The Northern Railroad, Dr.

To Freight and Charges on Merchandise from

Concord

to

Date of Way-Bill,

July 25 1888

Whose Car,

No.

ARTICLES.

WEIGHT.

RATE.

CHARGES.

1 Grindstone / Box / Crank

300

2.5

Transfers:

Received payment
for the above Corporation.

Frank P. Goss

TOTAL,

\$

676,00

26-
50
1.60
16
50
82.82
16
10
67.76-
110.87
7.00
50
16.00
17
70
16

404,82
178.00
682.82
675.00
07,82

28882
72.00
10.00
8400
404,82

SONS OF TEMPERANCE.

S. C.

Division, No. 50

Wm. H. Thompson

1888

Dr.

To Dues to March 31, 188	,	-	-	-	-	\$	
" " " June 30, 188	,	-	-	-	-		
" " " Sept. 30, 188	,	-	-	-	-		25
" " " Dec. 31, 188	,	-	-	-	-		

Received Payment,

\$ 25

J. W. Woodward F. S.

S. OF T.

SONS OF TEMPERANCE.

Silver Cascade

Division, No. 50

Will Thomson

Nov 27

1889

Dr.

To Dues to March 31, 188

" " " June 30, 188

" " " Sept. 30, 188

" " " Dec. 31, 188

, - - - -

\$

.25

.25

Received Payment,

C. F. Grove

\$

.50

F. S.

Wilmot H

Sept 20

ed one Wagon
Company

ick 20 am to

ick of No 1 h

ll Split wood

ered, to Saddle

Mill between

first of Mewer

ll A B Horny

W. A. Thompson
Wood Bill

KEARSARGE GRANGE, No. 87.

Wilmot-Flat, N. H. *Feb. 19 1889* 1886

M *Samuel Thompson* Dr. 1.20

To	Dues to March 31, 188	8
"	" June' 30 188	8
"	" Sept' 30 188	8
"	" Dec' 31 188	8

Received Payment.

\$ 1.20

Eliza A. Dumes Secretary.

KEARSARGE GRANGE, No. 87.

Wilmot-Flat, N. H.

Jan 8th 1889

M

Will Thompson

~~Dr.~~
Dr.

To	Dues to March 31, 1888	8	30
"	" " June 30 1888	8	30
"	" " Sept 30 1888	8	30
"	" " Dec 31 1888	8	30

Received Payment

\$1.20

Fred E Longley

Secretary.

KEARSARGE GRANGE, No. 87.

Wilmot-Flat, N. H. Feb 19. 1889

~~1886~~

M. Samuel Thompson

Dr. 1.20

To Dues to March 31, 188 7
" " " June '30 188 7
" " " Sept' 30 188 7
" " " Dec' 31 188 7

Received Payment.

\$ 1.20

Edwin A. Dornes

Secretary.

