THE STANDARD DIARY

PUBLISHED FOR THE TRADE

CALENDAR.

1886.

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
JAN.	..	..	..	..	..	1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31	..	..	..	..	..	..
FEB.	..	1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	..	..	..	..	..	..
MAR.	..	1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	31	..	..	..
APRIL.	..	..	..	..	1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	..
	..	..	..	..	..	..	1
MAY.	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31	..	..	..	..	..
JUNE.	..	..	1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	..	..	..

	Sun.	Mon.	Tues	Wed.	Thurs.	Fri.	Sat.
JULY.	..	..	..	..	1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31
	..	..	..	..	..	..	..
AUG.	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31	..	..	..	..
SEPT.	..	..	..	1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	..	..
OCT.	..	..	..	..	..	1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31	..	..	..	..	..	..
NOV.	..	1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	..	..	..	..
DEC.	..	..	..	1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	..

WEIGHTS AND MEASURES.

MEASURE OF LENGTH.

4 . . In.	make 1 Hand.	3 Feet	make 1 Yard.
7.92 In.	" 1 Link.	5½ Yds. "	1 Rod or Pole
18 . . In.	" 1 Cubit.	40 Poles "	1 Furlong.
12 . . In.	" 1 Foot.	8 Fur. "	1 Mile.
6 . . Ft.	" 1 Fathom.	69 1-6 Miles	make 1 Degree.

60 Geographical Miles make 1 Degree.

1760 Yards } = 1 Mile.
5280 Feet }

MEASURE OF SURFACE.

144 Square Inches make 1 Square Foot.
9 Square Feet " 1 Square Yard.
30¼ Square Yards " 1 Rod, Perch or Pole.
40 Square Rods " 1 Square Rood.
4 Square Roods " 1 Square Acre.
10 Square Chains " 1 Square Acre.
640 Square Acres " 1 Square Mile.
Gunter's Chain equal to 22 Yards or 100 Links.
272¼ Square Feet make 1 Square Rod.
43,560 Square Feet " 1 Acre.

MEASURE OF SOLIDITY.

1728 Cubic Inches make 1 Cubic Foot.
27 Cubic Feet " 1 Cubic Yard.

AVOIRDUPOIS WEIGHT.

27 11/32 Grains make 1 Drachm (dr.) or 27 11/32 Grains.
16 Drachms " 1 Ounce (oz.) or 437½ "
16 Ounces " 1 Pound (lb.) or 7000 "
28 Pounds " 1 Quarter (qr.)
4 Quarters " 1 Hundred-Weight (cwt.)
20 Cwts. " 1 Ton.
2240 Pounds " 1 Ton.

TROY WEIGHT.

24 Grains make 1 Pennyweight, or 24 Grains.
20 Pennywts. " 1 Ounce, or 480 "
12 Ounces " 1 Pound, or 5760 "

APOTHECARIES' WEIGHT.

20 Grains make 1 Scruple.	8 Drachms make 1 Ounce.
3 Scruples " 1 Drachm.	12 Ounces " 1 Pound.

DIAMOND WEIGHT.

16 Parts make 1 Grain (4-5ths Grain Troy.)
4 Grains " 1 Carat (3 1-5th Grains Troy)

LIQUID MEASURE.

4 Gills make 1 Pint.	31½ Gallons make 1 Barrel.
2 Pints " 1 Quart.	54 Gallons " 1 Hhd.
4 Quarts " 1 Gallon.	

DRY MEASURE.

8 Quarts make 1 Peck.	8 Bushels make 1 Quarter.
4 Pecks " 1 Bushel.	36 Bushels " 1 Chaldron.

1 Bushel equal to 2815½ cubic in. nearly.

WEIGHT PER BUSHEL OF GRAIN, ETC.

The following Table shows the number of pounds per bushel required, by law or custom, in the sale of articles specified, in the several States of the Union.

States.	Barley.	Buckwheat.	Coal.	Corn, shld.	Corn Meal.	Onions.	Oats.	Potatoes.	Rye.	Wheat.	Salt.	Turnips.	Beans, wh.	Clover Sd.	Timothy.
Maine	48	48	..	56	50	52	30	60	..	60	..	50	64	..	..
N. Hampshire	..	..	..	56	50	..	30	60	56	60	..	..	60	..	..
Vermont	48	48	..	..	..	..	32	60	56	60	70	..	64	60	42
Massachusetts	48	48	..	56	50	52	32	60	56	60	..	..	..	..	..
Connecticut	..	45	..	56	..	..	28	60	56	56	..	..	..	..	..
New York	48	48	..	58	..	..	32	60	56	60	..	..	62	60	44
New Jersey	48	50	..	56	..	..	30	60	56	60	..	..	..	64	..
Pennsylvania	47	48	..	56	..	..	30	56	56	60	85	..	..	62	..
Delaware	..	..	..	56	..	..	..	..	..	60	..	..	..	..	..
Maryland	48	48	..	56	..	57	32	60	56	60	56	..	62	64	45
Dist. Columbia	47	48	..	56	48	57	32	56	56	60	50	55	62	60	45
Virginia	48	48	..	56	50	..	32	60	56	60	..	56	60	64	45
West Virginia	48	52	80	56	48	..	32	60	56	60	..	60	60	60	45
North Carolina	48	50	..	54	46	..	30	..	56	60	..	..	..	64	..
South Carolina	48	56	80	56	50	57	33	60	56	60	50	..	60	60	..
Georgia	40	..	80	56	48	75	35	56	..	60	56	..	..	60	45
Louisiana	32	..	..	56	..	..	32	..	32	60	..	..	..	..	..
Arkansas	48	52	80	56	50	57	32	60	56	60	50	..	60	60	45
Tennessee	48	50	..	56	50	56	32	60	56	60	..	..	60	..	45
Kentucky	48	52	..	56	50	57	33	56	56	60	50	..	60	60	45
Ohio	48	50	..	56	..	..	32	60	56	60	..	..	60	60	45
Michigan	48	48	80	56	..	54	32	60	56	60	56	58	60	60	45
Indiana	48	50	70	56	50	48	32	60	56	60	50	..	60	60	..
Illinois	48	52	..	56	48	57	32	60	56	60	50	..	60	60	..
Wisconsin	48	50	..	56	..	..	32	60	56	60	..	..	..	60	..
Minnesota	48	42	..	56	..	..	32	60	56	60	..	..	..	60	..
Iowa	48	52	..	56	..	57	33	60	56	60	50	..	60	60	45
Missouri	48	52	..	56	..	57	32	60	56	60	50	..	60	60	45
Kansas	50	50	..	56	50	57	32	60	56	60	50	55	60	..	45
Nebraska	48	52	..	56	50	57	34	60	56	60	50	55	60	60	45
California	50	40	..	52	..	..	32	..	54	60	..	..	..	..	..
Oregon	46	42	..	56	..	..	36	60	56	60	..	..	..	60	..

INTEREST TABLE.

SIX PER CENT.

Time.	$1	$2	$3	$4	$5	$6	$7	$8	$9	$10	$100	$1000
1 Day.	0	0	0	0	0	0	0	0	0	0	2	17
2 "	0	0	0	0	0	0	0	0	0	0	3	33
3 "	0	0	0	0	0	0	0	0	0	1	5	50
4 "	0	0	0	0	0	0	0	1	1	1	7	67
5 "	0	0	0	0	0	1	1	1	1	1	8	83
6 "	0	0	0	0	1	1	1	1	1	1	10	1 00
7 "	0	0	0	0	1	1	1	1	1	1	12	1 17
8 "	0	0	0	1	1	1	1	1	1	1	13	1 33
9 "	0	0	0	1	1	1	1	1	1	2	15	1 50
10 "	0	0	1	1	1	1	1	1	2	2	17	1 67
11 "	0	0	1	1	1	1	1	1	2	2	18	1 83
12 "	0	0	1	1	1	1	1	2	2	2	20	2 00
13 "	0	0	1	1	1	1	2	2	2	2	22	2 17
14 "	0	0	1	1	1	1	2	2	2	2	23	2 33
15 "	0	1	1	1	1	2	2	2	2	3	25	2 50
16 "	0	1	1	1	1	2	2	2	2	3	27	2 67
17 "	0	1	1	1	1	2	2	2	3	3	28	2 83
18 "	0	1	1	1	2	2	2	2	3	3	30	3 00
19 "	0	1	1	1	2	2	2	3	3	3	32	3 17
20 "	0	1	1	1	2	2	2	3	3	3	33	3 33
21 "	0	1	1	1	2	2	2	3	3	4	35	3 50
22 "	0	1	1	1	2	2	3	3	3	4	37	3 67
23 "	0	1	1	2	2	2	3	3	3	4	38	3 83
24 "	0	1	1	2	2	2	3	3	4	4	40	4 00
25 "	0	1	1	2	2	3	3	3	4	4	42	4 17
26 "	0	1	1	2	2	3	3	3	4	4	43	4 33
27 "	0	1	1	2	2	3	3	4	4	5	45	4 50
28 "	0	1	1	2	2	3	3	4	4	5	47	4 67
29 "	0	1	1	2	2	3	3	4	4	5	48	4 83
1 Mon.	1	1	2	2	3	3	4	4	5	5	50	5 00
2 "	1	2	3	4	5	6	7	8	9	10	1 00	10 00
3 "	2	3	5	6	8	9	11	12	14	15	1 50	15 00
4 "	2	4	6	8	10	12	14	16	18	20	2 00	20 00
5 "	3	5	8	10	13	15	18	20	23	25	2 50	25 00
6 "	3	6	9	12	15	18	21	24	27	30	3 00	30 00
7 "	4	7	11	14	18	21	25	28	32	35	3 50	35 00
8 "	4	8	12	16	20	24	28	32	36	40	4 00	40 00
9 "	5	9	14	18	23	27	32	36	41	45	4 50	45 00
10 "	5	10	15	20	25	30	35	40	45	50	5 00	50 00
11 "	6	11	17	22	28	33	39	44	50	55	5 50	55 00
1 Year.	6	12	18	24	30	36	42	48	54	60	6 00	60 00

SEVEN PER CENT.

Time.	$1	$2	$3	$4	$5	$6	$7	$8	$9	$10	$100	$1000
1 Day.	0	0	0	0	0	0	0	0	0	0	2	19
8 "	0	0	0	1	1	1	1	1	1	2	16	1 56
15 "	0	1	1	1	1	2	2	2	3	3	29	2 92
22 "	0	1	1	2	2	3	3	3	4	4	43	4 28
30 "	1	1	2	2	3	4	4	5	5	6	58	5 83
2 Mon.	1	2	4	5	6	7	8	9	11	12	1 17	11 67
4 "	2	5	7	9	12	14	16	19	21	23	2 33	23 33
6 "	4	7	11	14	18	21	25	28	32	35	3 50	35 00
8 "	5	9	14	19	23	28	33	37	42	47	4 67	46 67
10 "	6	12	18	23	29	35	41	47	53	58	5 83	58 33
1 Year.	7	14	21	28	35	42	49	56	63	70	7 00	70 00

RATE OF INCOME ON INVESTMENTS,

Par value being $100, bearing interest at

Price Paid.	5%	6%	7%	8%	10%
$50	10 00	12 00	14 00	16 00	20 00
55	9 09	10 90	12 72	14 55	18 18
60	8 33	10 00	11 66	13 33	16 66
65	7 69	9 23	10 76	12 30	15 38
70	7 14	8 57	10 00	11 42	14 28
75	6 66	8 00	9 33	10 66	13 35
80	6 25	7 50	8 75	10 00	12 50
82½	6 06	7 27	8 48	9 69	12 12
85	5 88	7 05	8 23	9 41	11 76
87½	5 71	6 85	8 00	9 14	11 42
90	5 55	6 66	7 77	8 88	11 11
92½	5 40	6 48	7 56	8 64	10 80
95	5 26	6 31	7 36	8 42	10 52
96	5 20	6 25	7 29	8 33	10 41
97	5 15	6 18	7 21	8 24	10 30
97½	5 12	6 15	7 17	8 20	10 25
98	5 10	6 12	7 14	8 16	10 20
99	5 05	6 06	7 07	8 08	10 10
100	5 00	6 00	7 00	8 00	10 00
101	4 95	5 94	6 93	7 92	9 90
102	4 90	5 88	6 86	7 84	9 80
103	4 85	5 82	6 79	7 76	9 70
104	4 80	5 76	6 73	7 69	9 61
105	4 76	5 71	6 66	7 61	9 52
110	4 54	5 45	6 36	7 27	9 09
115	4 34	5 21	6 08	6 95	8 69
120	4 16	5 00	5 83	6 66	8 33
125	4 00	4 80	5 60	6 40	8 00
130	3 84	4 61	5 38	6 15	7 69
135	3 70	4 44	5 18	5 92	7 40
140	3 57	4 28	5 00	5 71	7 14
145	3 44	4 13	4 82	5 51	6 89
150	3 33	4 00	4 66	5 33	6 66

TO FIND LENGTH OF DAY OR NIGHT.

At any time of the year add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising for the length of the day. Subtract the time of setting from 12 hours, and to the remainder add the time of rising next morning for the length of the night. These rules are equally true for apparent time.

RATES OF POSTAGE.

POSTAL CARDS, 1 cent each, go 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.

THIRD CLASS.—Printed matter, in *unsealed wrappers only* (all matter inclosed in notched envelopes must pay letter rates), 1 cent for each 2 ounces or fraction thereof, *which must be fully prepaid.* This includes books, circulars, chromos, engravings, handbills, lithographs, magazines, music, newspapers, 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, 1 cent per ounce or fraction thereof. Limit of weight, 4 lbs. Full prepayment compulsory.

REFORWARDING.—Letters will be forwarded from one post office to another upon the *written* request of the *person addressed*, without additional postage charge; but unclaimed packages *cannot be returned to the sender* until stamps are furnished to pay the return postage.

PERMISSIBLE WRITING.—No writing is permitted on third or fourth class matter except as follows: The name and address of sender on the outside or inside of package, preceded by the word "from." On the wrapper may also be written the names and number of articles inclosed. The sender is further allowed to mark a word or passage in a book or paper to which he desires to call special attention. He may also write a simple inscription

or dedication upon the cover or blank leaves of a book or pamphlet. There may be attached to articles of merchandise, by tag or label, a mark, number, name, or letter for purpose of identification. Printed circulars may contain the written name of the sender, or of the addressee, and the date. Any other writing on third or fourth class matter will subject the package to letter rates of postage, and render the sender liable to a fine of ten dollars for each offense. Printed matter may be inclosed with fourth class matter, but the whole package is subject to the rate of 1 cent per ounce or fraction thereof.

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.

MONEY ORDERS.

For Orders not exceeding				$10	. . . .		8	cents.
Exceeding	$10	and	not	exceeding	$15	.	10	"
"	15	"	"	"	30	.	15	"
"	30	"	"	"	40	.	20	"
"	40	"	"	"	50	.	25	"
"	50	"	"	"	60	.	30	"
"	60	"	"	"	70	.	35	"
"	70	"	"	"	80	.	40	"
"	80	"	"	"	100	.	45	"

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

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.

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*.

Standard Time Divisions as adopted by the Railroads.

Eastern Standard—75th Meridian. Canada, between Quebec and Detroit,—U. S. east of Buffalo, N. Y.; Pittsburg, Pa.; Wheeling and Huntington, W. Va.; Bristol, Tenn.; Charlotte, N. C., and Augusta, Ga.

Central Standard—90th Meridian. West from "Eastern" limits, as above, to Broadview, Canada; to the Missouri River in Dakota; North Platte and McCook, Nebraska; Wallace and Dodge City, Kansas; Toyah and Sanderson, Texas.

Mountain Standard—105th Meridian. West from "Central" limits to Heron, Montana; Ogden, Utah; Needles and Yuma, Arizona.

Pacific Standard—120th Meridian. West from "Mountain" limits to coast.

Correction for the following Cities.

Eastern Standard.

75° Longitude.

	Minutes.
Bangor, Me.	— 25
Augusta, Me.	— 21
Portland, Me.	— 19
Boston, Mass.	— 16
Newport, R. I.	— 15
Providence, R. I.	— 14
Concord, N. H.	— 14
New London, Conn.	— 11
Springfield, Mass.	— 10
Montpelier, Vt.	— 10
Hartford, Conn.	— 9
Montreal, Que.	— 6
Albany, N. Y.	— 5
New York, N. Y	— 4
Utica, N. Y.	+ 1
Philadelphia, Pa.	+ 1
Syracuse, N. Y.	+ 5
Baltimore, Md.	+ 6
Washington, D. C.	+ 8
Rochester, N. Y.	+ 11
Buffalo, N. Y.	+ 16
Pittsburg, Pa.	+ 20

Central Standard.

90° Longitude.

	Minutes.
Cleveland, Ohio	— 33
Columbus, Ohio	— 28
Detroit, Mich.	— 28
Toledo, Ohio	— 26
Dayton, Ohio	— 23
Cincinnati, Ohio	— 22
Louisville, Ky.	— 18
Indianapolis, Ind.	— 16
Chicago, Ill.	— 10
Milwaukee, Wis.	— 8
Springfield, Ill.	— 2
Memphis, Tenn.	0
New Orleans, La.	0
St. Louis, Mo.	+ 1
Rock Island, Ill.	+ 3
Dubuque, Iowa	+ 3
Burlington, Iowa	+ 5
St. Paul, Minn.	+ 12
Des Moines, Iowa	+ 14
Kansas City, Mo.	+ 18
Galveston, Texas	+ 19
Omaha, Neb.	+ 24

Mountain Standard.

105° Longitude.

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

Pacific Standard.

120° Longitude.

Sacramento, Cal.	+ 6
San Francisco, Cal.	+ 10

POPULATION OF THE UNITED STATES.

CENSUS OF 1880.

Alabama	1,262,505
Arkansas	802,525
California	864,694
Colorado	194,327
Connecticut	622,700
Delaware	146,608
Florida	269,493
Georgia	1,542,180
Illinois	3,077,871
Indiana	1,978,301
Iowa	1,624,615
Kansas	996,096
Kentucky	1,648,690
Louisiana	939,946
Maine	648,936
Maryland	934,943
Massachusetts	1,783,085
Michigan	1,636,937
Minnesota	780,773
Mississippi	1,131,597
Missouri	2,168,380
Nebraska	452,402
Nevada	62,266
New Hampshire	346,991
New Jersey	1,131,116
New York	5,082,871
North Carolina	1,399,750
Ohio	3,198,062
Oregon	174,768
Pennsylvania	4,282,891
Rhode Island	276,531
South Carolina	995,577
Tennessee	1,542,359
Texas	1,591,749
Vermont	332,286
Virginia	1,512,565
West Virginia	618,457
Wisconsin	1,315,497
Total States	49,371,340

THE TERRITORIES.

Alaska	— —
Arizona	40,440
Dakota	135,177
District of Columbia	177,624
Idaho	32,610
Montana	39,159
New Mexico	119,565
Utah	143,963
Washington	75,116
Wyoming	20,789
Total Territories	784,443
Total U. States	50,155,783

POPULATION OF PRINCIPAL CITIES.

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

Rank.		
21	Albany, N. Y.	90,758
23	Allegheny, Pa.	78,682
40	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.	48,961
58	Grand Rapids, Mich.	32,016
60	Harrisburg, Pa.	30,762
43	Hartford, Conn.	42,015
39	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	Minneapolis, Minn.	46,887
40	Nashville, Tenn.	43,350
15	Newark, N. J.	136,508
26	New Haven, Conn.	62,882
10	New Orleans, La.	216,090
1	New York, N. Y.	1,206,299
51	Oakland, Cal.	34,555
65	Omaha, Neb.	30,518
34	Patterson, N. J.	51,031
2	Philadelphia, Pa.	847,170
12	Pittsburg, Pa.	156,389
55	Portland, Me.	33,810
29	Providence, R. I.	104,857
41	Reading, Pa.	43,278
25	Richmond, Va.	63,600
22	Rochester, N. Y.	89,366
9	San Francisco, Cal.	233,959
62	Savannah, Ga.	30,709
32	Scranton, Pa.	45,850
53	Springfield, Mass.	33,340
57	St. Joseph, Mo.	32,431
6	St. Louis, Mo.	350,518
45	St. Paul, Minn.	41,473
52	Syracuse, N. Y.	51,792
35	Toledo, Ohio	50,137
64	Trenton, N. J.	29,910
29	Troy, N. Y.	56,747
42	Utica, N. Y.	33,914
14	Washington, D. C.	147,293
61	Wheeling, W. Va.	30,737
42	Wilmington, Del.	42,478
28	Worcester, Mass.	58,291

PRESIDENTS OF THE UNITED STATES.

No.	Names.	Born.	Inaugurated.	Term of Office.	Died.	Native of.	Residence when elected.	Political Party.
1	George Washington	Feb. 22, 1732	April 30, 1789	8 years.....	Dec. 14, 1799	Virginia.	Virginia.	Federal.
2	John Adams.....	Oct. 30, 1735	Mar. 4, 1797	4 "	July 4, 1826	Mass.	Mass.	"
3	Thomas Jefferson...	April 2, 1743	" 4, 1801	8 "	" 4, 1826	Virginia.	Virginia.	Republican.
4	James Madison.....	Mar. 16, 1751	" 4, 1809	8 "	June 28, 1837	"	"	"
5	James Monroe.....	April 28, 1759	" 4, 1817	8 "	July 4, 1831	"	"	"
6	John Quincy Adams.	July 11, 1767	" 4, 1825	4 "	Feb. 23, 1848	Mass.	Mass.	Coalition.
7	Andrew Jackson	Mar. 15, 1767	" 4, 1829	8 "	June 8, 1845	S. Carolina.	Tennessee.	Democrat.
8	Martin Van Buren.	Dec. 5, 1782	" 4, 1837	4 "	July 24, 1862	New York.	New York.	"
9	Wm. H. Harrison ...	Feb. 9, 1773	" 4, 1841	1 month	April 4, 1841	Virginia.	Ohio.	Whig.
10	John Tyler.....	Mar. 29, 1790	April 6, 1841	3 yrs. 11 mos	Jan. 17, 1862	"	Virginia.	"
11	James K. Polk.....	Nov. 2, 1795	Mar. 4, 1845	4 years.....	June 15, 1849	N. Carolina.	Tennessee.	Democrat.
12	Zachary Taylor.....	Nov. 24, 1784	" 4, 1849	1 year 4 mos..	July 9, 1850	Virginia.	Louisiana.	Whig.
13	Millard Fillmore..	Jan. 7, 1800	July 9, 1850	2 years 8 mos.	Mar. 8, 1874	New York.	New York.	"
14	Franklin Pierce....	Nov. 23, 1804	Mar. 4, 1853	4 years.....	Oct. 8, 1869	N. Hamp.	N. Hamp.	Democrat.
15	James Buchanan....	April 23, 1791	" 4, 1857	4 "	June 1, 1868	Penn.	Penn.	"
16	Abraham Lincoln...	Feb. 12, 1809	" 4, 1861	4 yrs. 40 days.	April 15, 1865	Kentucky.	Illinois.	Republican.
17	Andrew Johnson....	Dec. 29, 1808	April 15, 1865	3 yrs. 10½ mos.	July 31, 1875	N. Carolina.	Tennessee.	"
18	Ulysses S. Grant...	April 27, 1822	Mar. 4, 1869	8 years.....	.....	Ohio.	Illinois.	"
19	Rutherf'd B. Hayes	Oct. 4, 1822	" 5, 1877	"	.....	Vermont.	Ohio.	"
20	James A. Garfield..	Nov. 19, 1831	" 4, 1881	6½ months....	Sept. 19, 1881	Ohio.	"	"
21	Chester A. Arthur.	Oct. 5, 1830	Sept. 20, 1881	3 yrs. 5½ mos.	.....	Vermont.	New York.	"
22	Grover Cleveland..	Mar. 18, 1837	Mar. 4, 1885	.....	.....	New Jersey.	New York.	Democrat.

VOTE FOR PRESIDENT—1884.

States.	Popular Vote.				Electoral Vote.	
	Blaine.	Cleveland.	Butler.	St. John.	Cleveland.	Blaine.
Alabama.....	59501	93051	873	612	10	.....
Arkansas	50895	72927	1847	.....	7	.....
California	102416	83285	2017	2920	.....	8
Colorado.....	36290	27723	1958	761	.....	3
Connecticut ..	65923	67199	1688	2305	6	.....
Delaware	12951	16994	6	55	3	.....
Florida	28031	31766	.....	72	4	.....
Georgia.....	48503	94667	145	195	12	.....
Illinois	337474	312355	10910	12074	.....	22
Indiana.....	235463	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	2704	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..	123410	127798	3496	6159	9	.....
New York ...	562005	563154	16994	25016	36	.....
N. Carolina..	125058	142952	.....	454	11	.....
Ohio.....	400082	368280	5179	11069	.....	23
Oregon	26860	24604	726	492	.....	3
Pennsylvania.	473804	392785	16992	15283	.....	30
Rhode Island	19030	12391	422	928	.....	4
S. Carolina...	21733	69830	.....	.....	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	919	6	.....
Wisconsin ...	161157	146453	4598	7656	.....	11
Total.....	4851981	4874986	175370	150369	219	182

PRESIDENTIAL VOTES IN PREVIOUS YEARS.

	Popular Vote.				Electoral.	
Year.	Republican.	Democrat.	Greenb'k.	Prohib.	Rep.	Dem.
1880	4454416	4444952	308578	10305	214	155
1876	4033950	4284757	81737	9522	185	184
*1872	3597070	2834079	.....	5608	286	42
†1868	3012571	2706613	.....	.....	214	71

* Democratic vote, exclusive of 29408 for Chas. O'Conner.
† Mississippi, Texas and Virginia did not vote.

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.*

		H.	M.	Mean range. Feet.
Eastport, Me., (Intercolonial Time) ...	add	3	33	18.2
EASTERN STANDARD.				
Bar Harbor, Me.	"	2	27	10.4
Portland, Me.	"	2	55	9.1
Portsmouth, N. H.	"	3	3	8.6
Isles of Shoals, N. H.	"	2	57	8.7
Newburyport, Mass.	"	3	17	7.5
Gloucester, Mass.	"	2	44	8.9
Salem, Mass.	"	2	54	9.2
Nahant, Mass.	"	2	50	9.4
Plymouth, Mass.	"	2	59	10.2
Provincetown, Mass.	"	2	59	9.2
Nantucket, Mass.	"	4	15	3.0
Vineyard Haven, Mass.	"	3	22	1.6
Wood's Hole, North Side, Mass.	sub.	0	21	4.0
Wood's Hole, South Side, Mass.	add	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
Bridgeport, Conn.	"	3	1	6.5
Montauk Point, L. I.	"	0	4	1.9
Throg's Neck, N. Y.	"	3	12	7.3
Cape May Landing, N. J.	"	0	16	4.8
Newcastle, Del.	"	3	52	6.5
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
Hatteras Inlet, N. C.	"	0	56	2.0
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

INTEREST LAWS OF ALL THE STATES.

STATES & TERRITORIES.	PENALTY OF USURY.	Legal.	Special.
Alabama,	Loss of interest.	8	.....
Arizona,	No penalty.	10	No limit.
Arkansas,	" "	6	" "
California,	" "	10	" "
Colorado,	" "	10	" "
Connecticut,	Forfeiture of all interest.	7	" "
Dakota,	" " contract.	7	18 per ct.
Delaware,	" " "	6	6 per ct.
District of Col.	" " all interest.	6	10 per ct.
Florida,	No penalty.	8	No limit.
Georgia,	Forfeiture of excess.	7	12 per ct.
Idaho,	$500 fine or imp't 6 mos. or both.*	10	24 per ct.
Illinois,	Forfeiture of all interest.	6	10 per ct.
Indiana,	" " interest and costs.	6	10 per ct.
Iowa,	" " excess.	6	10 per ct.
Kansas,	" " " over 12 per ct.	7	12 per ct.
Kentucky,	" " all interest.	6	10 per ct.
Louisiana,	" " interest.	5	8 per ct.
Maine,	No penalty.	6	No limit.
Maryland,	Forfeiture of excess.	6	6 per ct.
Massachusetts,	No penalty—6 per ct. on judg'ts.	6	No limit.
Michigan,	Forfeiture of excess.	7	10 per ct.
Minnesota,	" " " over 7 per ct.	7	12 per ct.
Mississippi,	Forfeiture of all interest.	6	10 per ct.
Missouri,	Forfeiture of all interest.	6	10 per ct.
Montana,	No penalty.	10	.....
Nebraska,	Forfeiture of all interest & costs.	10	12 per ct.
Nevada,	No penalty.	10	No limit.
N. Hampshire,	Forfeit of three times int. rec'd.	6	6 per ct.
New Jersey,	Forfeit of all interest.	7	7 per ct.
New Mexico,	No penalty.	6	12 per ct.
New York,	Forfeiture of contract.†	6	6 per ct.
North Carolina,	Forfeiture of interest.	6	8 per ct.
Ohio,	" " excess.	6	8 per ct.
Oregon,	" " prin., int. & costs.	10	12 per ct.
Pennsylvania,	" " excess, Act of 1858.	6	6 per ct.
Rhode Island,	" unless by contract.‡	6	No limit.
South Carolina,	No penalty.	10	" "
Tennessee,	Forfeit of over 6 p. c. & $100 fine.	6	10 per ct.
Texas,	No penalty.	8	No limit.
Utah,	" "	10	" "
Vermont,	Forfeit of excess on R. R. bonds.	6	7 per ct.
Virginia,	" " contract.	6	12 per ct.
Washington,	No penalty.	10	No limit.
West Virginia,	Forfeit of excess.	6	6 per ct.
Wisconsin,	" " all interest.	7	10 per ct.
Wyoming,	No penalty.	10	No limit.

* Liable to arrest for misdemeanor. † Also punishable as a misdemeanor. Banks forfeit interest only, or double the interest if charged in advance. ‡ Also 6 per cent. on judgments.

VALUES IN UNITED STATES MONEY

OF THE

PURE GOLD OR SILVER

REPRESENTING RESPECTIVELY THE MONETARY UNITS 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 values 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 by the Secretary of the Treasury."

The estimates of values contained in the following table are those made by the Director of the Mint, January 1st, 1885, 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	39	3
Austria	Florin	Gold	0	48	4
Belgium	Franc	Gold & silv.	0	19	3
Bolivia	Boliviano	Silver	0	79	5
Brazil	Milreis of 1000 reis.	Gold	0	54	6
British America	Dollar	Gold	1	0	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	Peso	Silver	0	79	5
Egypt	Piaster	Gold	0	4	9
France	Franc	Gold & silv.	0	19	3
Great Britain	Pound sterling	Gold	4	86	6½
Greece	Drachma	Gold & silv.	0	19	3
German Empire	Mark	Gold	0	23	8
Hayti	Gourde	Gold & silv.	0	96	5
India	Rupee of 16 annas.	Silver	0	37	8
Italy	Lira	Gold & silv.	0	19	3
Japan	Yen	Gold & silv.	0	85	8
Liberia	Dollar	Gold	1	0	0
Mexico	Dollar	Silver	0	86	4
Netherlands	Florin	Gold & silv.	0	40	2
Norway	Crown	Gold	0	26	8
Paraguay	Peso	Gold	1	0	0
Peru	Sol	Silver	0	79	5
Porto Rico	Peso	Gold	0	92	5
Portugal	Milreis of 1000 reis.	Gold	1	8	0
Russia	Roubl. of 100 cop'ks	Silver	0	63	6
Sandwich Islands	Dollar	Gold	1	0	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	71	7
Turkey	Piaster	Gold	0	4	4
U. S. of Colombia	Peso	Silver	0	79	5
Uruguay	Patacon	Gold	0	94	8
Venezuela	Bolivar	Gold & silv.	0	19	3

BUSINESS LAW IN DAILY USE.

THE following compilation of business law contains the essence of a large amount of legal verbiage:

If a note is lost or stolen, it does not release the maker; he must pay it, if the consideration for which it was given and the amount can be proven.

Notes bear interest only when so stated.

Principals are responsibee for the acts of their agents.

Each individual in a partnership is responsible for the whole amount of the debts of the firm, except in cases of special partnership.

Ignorance of the law excuses no one.

The law compels no one to do impossibilities.

An agreement without consideration is void.

A note made on Sunday is void.

Contracts made on Sunday cannot be enforced.

A note by a minor is void.

A contract made with a minor is void.

A contract made with a lunatic is void.

A note obtained by fraud, or from a person in a state of intoxication, cannot be collected.

It is a fraud to conceal a fraud.

Signatures made with a lead pencil are good in law.

A receipt for money is not always conclusive.

The acts of one partner bind all the rest.

"Value received," is usually written in a note, and should be, but is not necessary. If not written it is presumed by the law, or may be supplied by proof.

The maker of an "accommodation" bill or note (one for which he has received no consideration, having lent his name or credit for the accommodation of the holder) is not bound to the person accommodated, but is bound to all other parties, precisely as if there was a good consideration.

No consideration is sufficient in law if it be illegal in its nature.

Checks or drafts must be presented for payment without unreasonable delay.

Checks or drafts should be presented during business hours, but in this country, except in the case of banks, the time extends through the day and evening.

If the drawee of a check or draft has changed his residence, the holder must use due or reasonable diligence to find him.

If one who holds a check as payee or otherwise, transfers it to another, he has a right to insist that the check be presented that day, or, at farthest, on the day following.

A note indorsed in blank (the name of the indorser only written) is transferable by delivery, the same as if made payable to bearer.

If the time of payment of a note is not inserted, it is held payable on demand.

SHORT METHOD

For Calculating Interest.

Multiply the principal by as many hundreds as there are days, and

For 4 per cent	Divide by	90
" 5 " "	" "	72
" 6 " "	" "	60
" 7 " "	" "	52
" 8 " "	" "	45
" 9 " "	" "	40
" 10 " "	" "	36
" 12 " "	" "	30

EXAMPLE—Interest on $50 for 30 days at 4%. 50 x .30 = 15.00, which divided by 90 = 16⅔ cents—the required result.

FESTIVALS AND FASTS.

Epiphany	Jan.	6
Septuagesima Sunday	Feb.	21
Quinquagesima—Shrove Sunday	Mar.	7
Ash Wednesday	Mar.	10
First Sunday in Lent	Mar.	14
St. Patrick	Mar.	17
Palm Sunday	April	18
Good Friday	April	23
Easter Sunday	April	25
Low Sunday	May	2
Rogation Sunday	May	30
Ascension Day—Holy Thursday	June	3
Pentecost—Whit Sunday	June	13
Trinity Sunday	June	20
Corpus Christi	June	24
St. John Baptist	June	24
Michælmas Day	Sept.	29
First Sunday in Advent	Nov.	28
St. Andrew	Nov.	30
Christmas Day	Dec.	25

MORNING AND EVENING STARS.

Mercury will be visible as Morning Star about January 8, May 7, September 2, and December 23; and as Evening Star about March 21, July 18, and November 13.

Venus will be Evening Star till February 18; then Morning Star till December 2; and Evening Star again for the rest of the year.

Jupiter will be Morning Star till March 21; then Evening Star till October 9; and Morning Star again the rest of the year.

ECLIPSES FOR THE YEAR.

In the year 1886 there will be two Eclipses; both of the Sun.

I. An Annular Eclipse of the Sun, March 5. Visible to the United States west of the Susquehanna River, to Central America, eastern Australia, and the Pacific Ocean. Being annular along a line drawn through Tampico and Guadalaxara, Mexico, extending west to the Island of New Guinea. Elsewhere the eclipse will be partial; occurring, in standard time, as follows:—

	Standard.	Eclipse Begins.	Eclipse Ends.	Digits Eclipsed.
Boston,	Eastern.	Invisible.	Invisible.	....
New York,	Eastern.	Invisible.	Invisible.	....
Chicago,	Central.	4h. 55m. A.	After Sunset.	4
Washington,	Eastern.	5h. 51m. A.	After Sunset.	Slight.
Cincinnati,	Central.	4h. 56m. A.	After Sunset.	3
Charleston,	Eastern.	5h. 55m. A.	After Sunset.	4
New Orleans,	Central.	4h. 52m. A.	Middle at Sunset.	9
St. Louis,	Central.	4h. 54m. A.	Middle at Sunset.	6
Denver,	Mountain.	3h. 50m. A.	At Sunset.	5
Salt Lake,	Mountain.	3h. 49m. A.	5h. 45m. A.	4
Santa Fé,	Mountain.	3h. 43m. A.	At Sunset.	6

II. A Total Eclipse of the Sun, August 29. Visible to the south-eastern part of the United States, to Central America, the West Indies, the northern half of South America, Africa, and intervening Atlantic Ocean. Being total along a line beginning with and drawn through the northern part of the Isthmus of Panama, the extreme northern edge of South America, eastward across the Atlantic Ocean and Africa, and terminating in Madagascar. Elsewhere the eclipse will be partial; occurring, in standard time, as follows:—

	Standard.	Eclipse Begins.	Eclipse Ends.	Digits Eclipsed.
Boston,	Eastern.	6h. 16m. M.	6h. 41m. M.	Slight.
New York,	Eastern.	6h. 8m. M.	6h. 43m. M.	Slight.
Chicago,	Central.	Invisible.	Invisible.	....
Cincinnati,	Central.	5h. 1m. M.	5h. 40m. M.	1
St. Louis,	Central.	Before Sunrise.	5h. 20m. M.	{ barely visible. }
Charleston,	Eastern.	Middle after Sunrise.	6h. 56m. M.	3
Nashville,	Central.	Middle at Sunrise.	5h. 45m. M.	2
New Orleans,	Central.	Before Sunrise.	5h. 55m. M.	2

CHRONOLOGICAL CYCLES.

Dominical Letter	C
Epact	25
Lunar Cycle, or Golden Number	6
Solar Cycle	19
Roman Indiction	14
Julian Period	6599

MOON'S PERIGEE AND APOGEE.

		Eastern Standard.	Central Standard.
JAN.	APOGEE	7d. 4h. M.	7d. 3h. M.
	PERIGEE	20d. 8h. M.	20d. 7h. M.
FEB.	APOGEE	3d. 5h. M.	3d. 4h. M.
	PERIGEE	17d. 9h. A.	17d. 8h. A.
MAR.	APOGEE	2d. 0h. A.	2d. 11h. M.
	PERIGEE	18d. 6h. M.	18d. 5h. M.
	APOGEE	30d. 4h. M.	30d. 3h. M.
APRIL.	PERIGEE	15d. 0h. M.	14d. 11h. A.
	APOGEE	26d. 11h. A.	26d. 10h. A.
MAY.	PERIGEE	10d. 7h. A.	10d. 6h. A.
	APOGEE	24d. 6h. A.	24d. 5h. A.
JUNE.	PERIGEE	5d. 6h. A.	5d. 5h. A.
	APOGEE	21d. 0h. A.	21d. 11h. M.
JULY.	PERIGEE	3d. 0h. A.	3d. 11h. M.
	APOGEE	19d. 2h. M.	19d. 1h. M.
	PERIGEE	31d. 6h. A.	31d. 5h. A.
AUG.	APOGEE	15d. 9h. M.	15d. 8h. M.
	PERIGEE	29d. 8h. M.	29d. 7h. M.
SEPT.	APOGEE	11d. 10h. M.	11d. 9h. M.
	PERIGEE	26d. 2h. A.	26d. 1h. A.
OCT.	APOGEE	8d. 8h. A.	8d. 7h. A.
	PERIGEE	24d. 7h. A.	24d. 6h. A.
NOV.	APOGEE	5d. 1h. A.	5d. 0h. A.
	PERIGEE	21d. 2h. M.	21d. 1h. M.
DEC.	APOGEE	3d. 10h. M.	3d. 9h. M.
	PERIGEE	15d. 7h. A.	15d. 6h. A.
	APOGEE	31d. 7h. M.	31d. 6h. M.

MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
NEW MOON	5d. 2h. 44m. M.	5d. 1h. 44m. M.
FIRST QUARTER	13d. 7h. 24m. M.	13d. 6h. 24m. M.
FULL MOON	20d. 2h. 45m. M.	20d. 1h. 45m. M.
LAST QUARTER	26d. 8h. 31m. A.	26d. 7h. 31m. A.

BOSTON & CHICAGO.				BOST. TIDE.	N. YORK & PHILA.				N. Y. TIDE.
D. of M.	Day of W'k.	Local Mean Time. SUN R.&S.	Local Mean Time. MOON R.&S.	Standard Time.	D. of M.	Local Mean Time. SUN R.&S.	Local Mean Time. MOON R.&S.	Standard Time.	
1	FR.	r7 30	3 55	8 13	1	r7 25	3 52	5 11	
2	SA.	s4 39	4 52	9 6	2	s4 45	4 48	6 4	
3	S	r7 30	5 46	9 54	3	r7 25	5 42	6 52	
4	MO.	s4 41	6 35	10 39	4	s4 46	6 31	7 35	
5	TU.	r7 30	SETS.	11 21	5	r7 25	SETS.	8 16	
6	WE.	s4 43	6 18	.....	6	s4 48	6 22	8 58	
7	TH.	r7 30	7 13	0 20	7	r7 25	7 16	9 38	
8	FR.	s4 45	8 10	0 59	8	s4 50	8 12	10 15	
9	SA.	r7 29	9 7	1 38	9	r7 24	9 8	10 52	
10	S	s4 47	10 5	2 18	10	s4 52	10 6	11 33	
11	MO.	r7 29	11 4	2 57	11	r7 24	11 4	.....	
12	TU.	s4 49	MORN.	3 39	12	s4 54	MORN.	0 38	
13	WE.	r7 28	0 4	4 27	13	r7 23	0 3	1 26	
14	TH.	s4 52	1 6	5 21	14	s4 56	1 4	2 19	
15	FR.	r7 27	2 10	6 20	15	r7 22	2 7	3 18	
16	SA.	s4 54	3 16	7 24	16	s4 59	3 13	4 21	
17	S	r7 26	4 22	8 29	17	r7 21	4 18	5 26	
18	MO.	s4 56	5 26	9 30	18	s5 1	5 22	6 28	
19	TU.	r7 25	6 26	10 30	19	r7 20	6 22	7 26	
20	WE.	s4 59	RISES.	11 24	20	s5 3	RISES.	8 18	
21	TH.	r7 24	7 2	.....	21	r7 10	7 4	9 13	
22	FR.	s5 1	8 16	0 40	22	s5 6	8 17	10 3	
23	SA.	r7 22	9 28	1 30	23	r7 18	9 28	10 49	
24	S	s5 4	10 37	2 18	24	s5 8	10 36	11 38	
25	MO.	r7 21	11 43	3 6	25	r7 16	11 42	0 3	
26	TU.	s5 6	MORN.	3 56	26	s5 11	MORN.	0 55	
27	WE.	r7 19	0 47	4 51	27	r7 15	0 45	1 50	
28	TH.	s5 9	1 48	5 48	28	s5 13	1 45	2 46	
29	FR.	r7 17	2 46	6 47	29	r7 13	2 42	3 44	
30	SA.	s5 12	3 41	7 45	30	s5 15	3 37	4 41	
31	S	r7 15	4 32	8 39	31	r7 11	4 28	5 36	

February 1886

PISCES.

MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
New Moon.....	3d. 10h. 14m. A.	3d. 9h. 14m. A.
First Quarter..	11d. 9h. 46m. A.	11d. 8h. 46m. A.
Full Moon	18d. 1h. 15m. A.	18d. 0h. 15m. A.
Last Quarter...	25d. 0h. 11m. A.	25d. 11h. 11m. M.

BOSTON & CHICAGO.				Bost. Tide.	N. YORK & PHILA.			N. Y. Tide.
D. of M.	Day of Wk.	Local Mean Time. Sun R.&S.	Local Mean Time. Moon R.&S.	Standard Time.	D. of M.	Local Mean Time. Sun R.&S.	Local Mean Time. Moon R.&S.	Standard Time.
1	Mo.	r7 14	5 19	9 28	1	r7 10	5 15	6 26
2	Tu.	s5 16	6 1	10 14	2	s5 19	5 57	7 11
3	We.	r7 12	sets.	10 56	3	r7 9	sets.	7 51
4	Th.	s5 18	6 5	11 35	4	s5 22	6 7	8 30
5	Fr.	r7 10	7 1	.....	5	r7 6	7 3	9 10
6	Sa.	s5 21	7 58	0 30	6	s5 24	7 59	9 48
7	S	r7 7	8 56	1 9	7	r7 4	8 56	10 23
8	Mo.	s5 23	9 55	1 46	8	s5 26	9 54	11 0
9	Tu.	r7 5	10 56	2 26	9	r7 2	10 54	11 42
10	We.	s5 26	11 58	3 7	10	s5 29	11 56	0 5
11	Th.	r7 2	morn.	3 53	11	r7 0	morn.	0 52
12	Fr.	s5 29	1 1	4 49	12	s5 31	0 58	1 47
13	Sa.	r6 59	2 5	5 51	13	r6 57	2 1	2 49
14	S	s5 31	3 8	6 59	14	s5 34	3 4	3 56
15	Mo.	r6 57	4 7	8 8	15	r6 54	4 3	5 5
16	Tu.	s5 34	5 2	9 12	16	s5 36	4 58	6 10
17	We.	r6 54	5 52	10 13	17	r6 52	5 49	7 10
18	Th.	s5 36	rises.	11 7	18	s5 39	rises.	8 0
19	Fr.	r6 51	7 2	11 53	19	r6 49	7 3	8 51
20	Sa.	s5 39	8 15	0 17	20	s5 41	8 15	9 40
21	S	r6 48	9 25	1 6	21	r6 46	9 24	10 24
22	Mo.	s5 41	10 32	1 51	22	s5 43	10 30	11 9
23	Tu.	r6 45	11 36	2 39	23	r6 43	11 33	11 59
24	We.	s5 44	morn.	3 26	24	s5 46	morn.	0 24
25	Th.	r6 42	0 37	4 17	25	r6 40	0 34	1 17
26	Fr.	s5 46	1 34	5 14	26	s5 48	1 30	2 13
27	Sa.	r6 39	2 27	6 14	27	r6 38	2 23	3 12
28	S	s5 49	3 16	7 13	28	s5 50	3 12	4 9
..	.....	.....	.....	.....	..	.....	.....	.....
..	.....	.....	.....	.....	..	.....	.....	.....
..	.....	.....	.....	.....	..	.....	.....	.....

March 1886

ARIES.

MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
New Moon.....	5d. 5h. 4m. A.	5d. 4h. 4m. A.
First Quarter..	13d. 8h. 17m. M.	13d. 7h. 17m. M.
Full Moon	19d. 11h. 36m. A.	19d. 10h. 36m. A.
Last Quarter...	27d. 5h. 44m. M.	27d. 4h. 44m. M.

BOSTON & CHICAGO.				Bost. Tide.	N. YORK & PHILA.			N. Y. Tide.
D. of M.	Day of Wk.	Local Mean Time. Sun R.&S.	Local Mean Time. Moon R.&S.	Standard Time.	D. of M.	Local Mean Time. Sun R.&S.	Local Mean Time. Moon R.&S.	Standard Time.
1	Mo.	r6 36	4 0	8 8	1	r6 35	3 56	5 5
2	Tu.	s5 51	4 39	8 59	2	s5 52	4 35	5 56
3	We.	r6 33	5 15	9 44	3	r6 31	5 12	6 43
4	Th.	s5 54	5 49	10 27	4	s5 55	5 47	7 23
5	Fr.	r6 29	sets.	11 6	5	r6 28	sets.	8 1
6	Sa.	s5 56	6 51	11 42	6	s5 57	6 51	8 38
7	S	r6 26	7 50	0 0	7	r6 25	7 49	9 17
8	Mo.	s5 58	8 50	0 38	8	s5 59	8 49	9 55
9	Tu.	r6 23	9 51	1 17	9	r6 22	9 49	10 33
10	We.	s6 1	10 53	1 59	10	s6 1	10 50	11 15
11	Th.	r6 19	11 55	2 42	11	r6 19	11 51	.....
12	Fr.	s6 3	morn.	3 30	12	s6 3	morn.	0 28
13	Sa.	r6 16	0 57	4 27	13	r6 15	0 53	1 26
14	S	s6 5	1 56	5 32	14	s6 6	1 52	2 30
15	Mo.	r6 12	2 51	6 42	15	r6 12	2 47	3 39
16	Tu.	s6 8	3 42	7 51	16	s6 8	3 38	4 47
17	We.	r6 9	4 28	8 55	17	r6 9	4 25	5 52
18	Th.	s6 10	5 9	9 53	18	s6 10	5 7	6 51
19	Fr.	r6 6	5 48	10 46	19	r6 6	5 47	7 41
20	Sa.	s6 12	rises.	11 31	20	s6 12	rises.	8 26
21	S	r6 2	8 10	.....	21	r6 2	8 8	9 15
22	Mo.	s6 14	9 18	0 39	22	s6 14	9 16	9 59
23	Tu.	r5 59	10 22	1 24	23	r5 59	10 19	10 42
24	We.	s6 16	11 23	2 10	24	s6 16	11 19	11 28
25	Th.	r5 55	morn.	2 57	25	r5 56	morn.	.....
26	Fr.	s6 19	0 19	3 46	26	s6 18	0 15	0 45
27	Sa.	r5 52	1 10	4 41	27	r5 52	1 6	1 39
28	S	s6 21	1 56	5 38	28	s6 20	1 52	2 36
29	Mo.	r5 48	2 38	6 36	29	r5 49	2 34	3 33
30	Tu.	s6 23	3 15	7 31	30	s6 22	3 12	4 27
31	We.	r5 45	3 49	8 22	31	r5 45	3 46	5 19

April. 1886

MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
New Moon.....	4d. 9h. 30m. M.	4d. 8h. 30m. M.
First Quarter..	11d. 3h. 44m. A.	11d. 2h. 44m. A.
Full Moon.....	18d. 9h. 59m. M.	18d. 8h. 59m. M.
Last Quarter...	26d. 0h. 15m. M.	25d. 11h. 15m. A.

BOSTON & CHICAGO.		Local Mean Time.		Bost. Tide.	N. YORK & PHILA.		Local Mean Time.		N. Y. Tide.
D. of M.	Day of W'k.	Sun R.&S.	Moon R.&S.	Standard Time.	D. of M.	Day of W'k.	Sun R.&S.	Moon R.&S.	Standard Time.
1	Th.	r5 43	4 21	9 9	1	r5 44	4 19	6 8	
2	Fr.	s6 27	4 51	9 54	2	s6 26	4 50	6 52	
3	Sa.	r5 39	5 20	10 35	3	r5 41	5 20	7 31	
4	♋	s6 29	sets.	11 13	4	s6 28	sets.	8 8	
5	Mo.	r5 36	7 44	11 51	5	r5 37	7 42	8 48	
6	Tu.	s6 31	8 46	0 10	6	s6 30	8 43	9 30	
7	We.	r5 33	9 49	0 53	7	r5 34	9 46	10 11	
8	Th.	s6 33	10 51	1 36	8	s6 32	10 47	10 54	
9	Fr.	r5 29	11 51	2 24	9	r5 31	11 47	11 45	
10	Sa.	s6 36	morn.	3 15	10	s6 34	morn.	0 13	
11	♋	r5 26	0 47	4 13	11	r5 28	0 43	1 12	
12	Mo.	s6 38	1 38	5 19	12	s6 36	1 34	2 17	
13	Tu.	r5 23	2 24	6 27	13	r5 25	2 21	3 25	
14	We.	s6 40	3 6	7 34	14	s6 38	3 4	4 30	
15	Th.	r5 19	3 44	8 36	15	r5 21	3 43	5 34	
16	Fr.	s6 42	4 20	9 31	16	s6 40	4 19	6 29	
17	Sa.	r5 16	4 54	10 22	17	r5 18	4 55	7 19	
18	♋	s6 45	rises.	11 8	18	s6 42	rises.	8 2	
19	Mo.	r5 13	8 3	11 51	19	r5 15	8 0	8 49	
20	Tu.	s6 47	9 6	0 13	20	s6 44	9 3	9 34	
21	We.	r5 10	10 6	0 57	21	r5 13	10 2	10 17	
22	Th.	s6 49	11 1	1 44	22	s6 46	10 57	11 1	
23	Fr.	r5 7	11 50	2 29	23	r5 10	11 46	11 49	
24	Sa.	s6 51	morn.	3 16	24	s6 48	morn.	0 14	
25	♋	r5 4	0 34	4 6	25	r5 7	0 30	1 5	
26	Mo.	s6 53	1 13	4 59	26	s6 50	1 10	1 58	
27	Tu.	r5 1	1 48	5 54	27	r5 4	1 45	2 52	
28	We.	s6 56	2 21	6 48	28	s6 52	2 19	3 46	
29	Th.	r4 58	2 51	7 41	29	r5 1	2 50	4 38	
30	Fr.	s6 58	3 20	8 30	30	s6 54	3 19	5 27	
..	.....	.....	.....	.....	..	.....	.....	.....	

May. 1886

MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
New Moon.....	3d. 10h. 42m. A.	3d. 9h. 42m. A.
First Quarter..	10d. 9h. 20m. A.	10d. 8h. 20m. A.
Full Moon.....	17d. 8h. 47m. A.	17d. 7h. 47m. A.
Last Quarter...	25d. 6h. 36m. A.	25d. 5h. 36m. A.

BOSTON & CHICAGO.		Local Mean Time.		Bost. Tide.	N. YORK & PHILA.		Local Mean Time.		N. Y. Tide.
D. of M.	Day of W'k.	Sun R.&S.	Moon R.&S.	Standard Time.	D. of M.	Day of W'k.	Sun R.&S.	Moon R.&S.	Standard Time.
1	Sa.	r4 55	3 50	9 16	1	r4 59	3 50	6 14	
2	♋	s7 0	4 20	10 1	2	s6 57	4 21	6 59	
3	Mo.	r4 53	4 52	10 45	3	r4 56	4 54	7 39	
4	Tu.	s7 2	sets.	11 27	4	s6 59	sets.	8 21	
5	We.	r4 50	8 43	.....	5	r4 54	8 39	9 8	
6	Th.	s7 5	9 45	0 33	6	s7 1	9 41	9 54	
7	Fr.	r4 48	10 43	1 20	7	r4 51	10 39	10 40	
8	Sa.	s7 7	11 37	2 11	8	s7 3	11 33	11 33	
9	♋	r4 45	morn.	3 5	9	r4 49	morn.	0 2	
10	Mo.	s7 9	0 25	4 2	10	s7 5	0 22	1 1	
11	Tu.	r4 43	1 7	5 4	11	r4 47	1 4	2 2	
12	We.	s7 11	1 45	6 9	12	s7 7	1 43	3 7	
13	Th.	r4 41	2 20	7 12	13	r4 45	2 19	4 9	
14	Fr.	s7 13	2 54	8 13	14	s7 8	2 54	5 9	
15	Sa.	r4 39	3 28	9 7	15	r4 43	3 29	6 5	
16	♋	s7 15	4 2	9 57	16	s7 11	4 4	6 55	
17	Mo.	r4 37	4 39	10 46	17	r4 41	4 42	7 41	
18	Tu.	s7 17	rises.	11 28	18	s7 13	rises.	8 23	
19	We.	r4 35	8 50	.....	19	r4 39	8 46	9 11	
20	Th.	s7 19	9 43	0 34	20	s7 14	9 39	9 54	
21	Fr.	r4 33	10 30	1 18	21	r4 38	10 26	10 36	
22	Sa.	s7 21	11 11	2 3	22	s7 16	11 7	11 19	
23	♋	r4 31	11 48	2 46	23	r4 36	11 45	.....	
24	Mo.	s7 23	morn.	3 31	24	s7 18	morn.	0 29	
25	Tu.	r4 30	0 21	4 18	25	r4 35	0 18	1 18	
26	We.	s7 25	0 52	5 9	26	s7 20	0 50	2 8	
27	Th.	r4 28	1 22	6 1	27	r4 33	1 21	2 59	
28	Fr.	s7 27	1 51	6 54	28	s7 21	1 51	3 52	
29	Sa.	r4 27	2 20	7 47	29	r4 32	2 21	4 43	
30	♋	s7 28	2 50	8 38	30	s7 23	2 52	5 35	
31	Mo.	r4 26	3 23	9 27	31	r4 31	3 25	6 26	

June 1886

CANCER

MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
New Moon.....	2d. 8h. 55m. M.	2d. 7h. 55m. M.
First Quarter..	9d. 2h. 27m. M.	9d. 1h. 27m. M.
Full Moon.....	16d. 8h. 39m. M.	16d. 7h. 39m. M.
Last Quarter...	24d. 11h. 35m. M.	24d. 10h. 35m. M.

BOSTON & CHICAGO.		Local Mean Time.		Bost. Tide.	N. YORK & PHILA.		Local Mean Time.		N. Y. Tide.
D. of M.	Day of W'k.	Sun R.&S.	Moon R.&S.	Standard Time.	D. of M.	Day of W'k.	Sun R.&S.	Moon R.&S.	Standard Time.
1	Tu.	r4 26	4 2	10 17	1	r4 31	4 5	7 14	
2	We.	s7 31	sets.	11 5	2	s7 25	sets.	7 59	
3	Th.	r4 25	8 36	11 52	3	r4 30	8 32	8 49	
4	Fr.	s7 32	9 32	0 17	4	s7 27	9 28	9 42	
5	Sa.	r4 24	10 23	1 8	5	r4 29	10 19	10 30	
6	S	s7 33	11 8	2 1	6	s7 28	11 5	11 22	
7	Mo.	r4 23	11 47	2 53	7	r4 29	11 45	.....	
8	Tu.	s7 35	morn.	3 47	8	s7 29	morn.	0 46	
9	We.	r4 23	0 23	4 45	9	r4 28	0 22	1 44	
10	Th.	s7 36	0 57	5 46	10	s7 30	0 57	2 44	
11	Fr.	r4 22	1 30	6 48	11	r4 28	1 31	3 45	
12	Sa.	s7 37	2 4	7 46	12	s7 31	2 6	4 43	
13	S	r4 22	2 39	8 42	13	r4 28	2 42	5 40	
14	Mo.	s7 38	3 16	9 34	14	s7 32	3 19	6 32	
15	Tu.	r4 22	3 57	10 23	15	r4 28	4 1	7 20	
16	We.	s7 38	rises.	11 8	16	s7 33	rises.	8 2	
17	Th.	r4 22	8 24	11 50	17	r4 28	8 20	8 48	
18	Fr.	s7 39	9 9	0 11	18	s7 34	9 5	9 31	
19	Sa.	r4 23	9 47	0 54	19	r4 28	9 44	10 12	
20	S	s7 40	10 21	1 36	20	s7 34	10 18	10 50	
21	Mo.	r4 23	10 52	2 17	21	r4 29	10 50	11 32	
22	Tu.	s7 40	11 23	2 57	22	s7 34	11 22	.....	
23	We.	r4 23	11 52	3 40	23	r4 29	11 51	0 38	
24	Th.	s7 40	morn.	4 25	24	s7 35	morn.	1 24	
25	Fr.	r4 24	0 20	5 15	25	r4 30	0 20	2 13	
26	Sa.	s7 40	0 49	6 8	26	s7 35	0 50	3 6	
27	S	r4 25	1 21	7 4	27	r4 30	1 23	4 1	
28	Mo.	s7 40	1 57	8 2	28	s7 35	2 0	4 59	
29	Tu.	r4 25	2 37	8 59	29	r4 31	2 40	5 56	
30	We.	s7 40	3 24	9 54	30	s7 35	3 28	6 51	
..	.....	.....	.....	.....	..	.....	.....	.....	

July 1886

LEO

MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
New Moon.....	1d. 5h. 6m. A.	1d. 4h. 6m. A.
First Quarter..	8d. 8h. 18m. M.	8d. 7h. 18m. M.
Full Moon.....	15d. 10h. 9m. A.	15d. 9h. 9m. A.
Last Quarter...	24d. 2h. 21m. M.	24d. 1h. 21m. M.
New Moon.....	31d. 0h. 26m. M.	30d. 11h. 26m. A.

BOSTON & CHICAGO.		Local Mean Time.		Bost. Tide.	N. YORK & PHILA.		Local Mean Time.		N. Y. Tide.
D. of M.	Day of W'k.	Sun R.&S.	Moon R.&S.	Standard Time.	D. of M.	Day of W'k.	Sun R.&S.	Moon R.&S.	Standard Time.
1	Th.	r4 26	sets.	10 48	1	r4 32	sets.	7 43	
2	Fr.	s7 40	8 15	11 39	2	s7 35	8 11	8 35	
3	Sa.	r4 27	9 3	0 4	3	r4 33	9 0	9 29	
4	S	s7 40	9 47	0 56	4	s7 34	9 44	10 18	
5	Mo.	r4 29	10 26	1 47	5	r4 34	10 24	11 7	
6	Tu.	s7 39	11 1	2 37	6	s7 34	11 0	11 59	
7	We.	r4 30	11 34	3 28	7	r4 36	11 34	0 26	
8	Th.	s7 38	morn.	4 22	8	s7 33	morn.	1 21	
9	Fr.	r4 31	0 7	5 20	9	r4 37	0 9	2 18	
10	Sa.	s7 38	0 41	6 20	10	s7 32	0 43	3 18	
11	S	r4 33	1 18	7 21	11	r4 38	1 21	4 18	
12	Mo.	s7 37	1 57	8 19	12	s7 31	2 1	5 15	
13	Tu.	r4 34	2 39	9 11	13	r4 40	2 43	6 9	
14	We.	s7 35	3 26	10 1	14	s7 30	3 30	6 59	
15	Th.	r4 36	4 17	10 47	15	r4 41	4 21	7 42	
16	Fr.	s7 34	rises.	11 28	16	s7 29	rises.	8 22	
17	Sa.	r4 38	8 23	.....	17	r4 43	8 20	9 6	
18	S	s7 33	8 57	0 28	18	s7 28	8 55	9 45	
19	Mo.	r4 39	9 27	1 6	19	r4 44	9 25	10 22	
20	Tu.	s7 31	9 55	1 45	20	s7 27	9 54	10 58	
21	We.	r4 41	10 23	2 23	21	r4 46	10 23	11 38	
22	Th.	s7 29	10 51	3 2	22	s7 25	10 52	.....	
23	Fr.	r4 43	11 21	3 45	23	r4 48	11 23	0 44	
24	Sa.	s7 28	11 54	4 33	24	s7 23	11 59	1 32	
25	S	r4 45	morn.	5 27	25	r4 50	morn.	2 24	
26	Mo.	s7 26	0 31	6 27	26	s7 21	0 34	3 24	
27	Tu.	r4 47	1 14	7 30	27	r4 51	1 18	4 26	
28	We.	s7 24	2 3	8 32	28	s7 20	2 7	5 30	
29	Th.	r4 49	3 0	9 33	29	r4 53	3 4	6 32	
30	Fr.	s7 22	4 5	10 32	30	s7 18	4 9	7 28	
31	Sa.	r4 51	sets.	11 24	31	r4 55	sets.	8 20	

August 1886

VIRGO.

MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
First Quarter..	6d. 4h. 6m. A.	6d. 3h. 6m. A.
Full Moon	14d. 1h. 24m. A.	14d. 0h. 24m. A.
Last Quarter...	22d. 2h. 42m. A.	22d. 1h. 42m. A.
New Moon.....	29d. 7h. 54m. M.	29d. 6h. 54m. M.

BOSTON & CHICAGO.				Bost. Tide.	N. YORK & PHILA.				N. Y. Tide.
D. of M.	Day of W'k.	Local Mean Time. Sun R.&S.	Local Mean Time. Moon R.&S.	Standard Time.	D. of M.	Local Mean Time. Sun R.&S.	Local Mean Time. Moon R.&S.		Standard Time.
1	S	r4 52	8 21	.....	1	r4 56	8 19	9	13
2	Mo.	s7 18	9 0	0 39	2	s7 15	8 59	10	1
3	Tu.	r4 54	9 35	1 28	3	r4 58	9 35	10	47
4	We.	s7 16	10 9	2 17	4	s7 12	10 10	11	36
5	Th.	r4 56	10 43	3 5	5	r5 0	10 45	0	2
6	Fr.	s7 14	11 19	3 56	6	s7 10	11 22	0	55
7	Sa.	r4 58	11 57	4 52	7	r5 2	MORN.	1	51
8	S	s7 11	MORN.	5 52	8	s7 7	0 0	2	50
9	Mo.	r5 0	0 39	6 53	9	r5 4	0 43	3	50
10	Tu.	s7 8	1 24	7 52	10	s7 5	1 28	4	49
11	We.	r5 2	2 13	8 47	11	r5 6	2 17	5	44
12	Th.	s7 6	3 4	9 37	12	s7 2	3 8	6	35
13	Fr.	r5 4	3 58	10 23	13	r5 8	4 2	7	20
14	Sa.	s7 3	RISES.	11 4	14	s7 0	RISES.	7	57
15	S	r5 7	7 29	11 41	15	r5 10	7 27	8	38
16	Mo.	s7 0	7 58	.....	16	s6 57	7 57	9	16
17	Tu.	r5 9	8 27	0 35	17	r5 12	8 27	9	52
18	We.	s6 57	8 55	1 12	18	s6 54	8 55	10	27
19	Th.	r5 11	9 23	1 50	19	r5 14	9 24	11	4
20	Fr.	s6 54	9 54	2 29	20	s6 51	9 56	11	46
21	Sa.	r5 13	10 29	3 10	21	r5 16	10 32	0	8
22	S	s6 51	11 8	3 59	22	s6 48	11 11	0	57
23	Mo.	r5 15	11 52	4 54	23	r5 18	11 56	1	53
24	Tu.	s6 48	MORN.	5 57	24	s6 45	MORN.	2	54
25	We.	r5 17	0 44	7 4	25	r5 20	0 48	4	1
26	Th.	s6 44	1 44	8 11	26	s6 42	1 48	5	9
27	Fr.	r5 19	2 51	9 16	27	r5 22	2 55	6	14
28	Sa.	s6 41	4 4	10 15	28	s6 39	4 7	7	11
29	S	r5 21	SETS.	11 7	29	r5 24	SETS.	8	2
30	Mo.	s6 38	7 29	11 55	30	s6 36	7 28	8	52
31	Tu.	r5 23	8 5	0 18	31	r5 25	8 6	9	41

September 1886

LIBRA.

MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
First Quarter..	5d. 2h. 55m. M.	5d. 1h. 55m. M.
Full Moon	13d. 5h. 50m. M.	13d. 4h. 50m. M.
Last Quarter...	21d. 0h. 56m. M.	20d. 11h. 56m. A.
New Moon.....	27d. 4h. 18m. A.	27d. 3h. 18m. A.

BOSTON & CHICAGO.				Bost. Tide.	N. YORK & PHILA.				N. Y. Tide.
D. of M.	Day of W'k.	Local Mean Time. Sun R.&S.	Local Mean Time. Moon R.&S.	Standard Time.	D. of M.	Local Mean Time. Sun R.&S.	Local Mean Time. Moon R.&S.		Standard Time.
1	We.	r5 24	8 41	1 6	1	r5 26	8 43	10	25
2	Th.	s6 33	9 18	1 52	2	s6 31	9 20	11	11
3	Fr.	r5 27	9 56	2 40	3	r5 28	9 59	.....	
4	Sa.	s6 29	10 37	3 30	4	s6 28	10 41	0	28
5	S	r5 29	11 21	4 24	5	r5 30	11 25	1	23
6	Mo.	s6 26	MORN.	5 23	6	s6 24	MORN.	2	21
7	Tu.	r5 31	0 9	6 24	7	r5 32	0 13	3	21
8	We.	s6 22	1 0	7 23	8	s6 21	1 4	4	20
9	Th.	r5 33	1 53	8 19	9	r5 34	1 57	5	15
10	Fr.	s6 19	2 48	9 7	10	s6 18	2 51	6	5
11	Sa.	r5 35	3 44	9 52	11	r5 36	3 47	6	50
12	S	s6 15	4 42	10 35	12	s6 14	4 44	7	30
13	Mo.	r5 37	RISES.	11 12	13	r5 38	RISES.	8	6
14	Tu.	s6 12	6 58	11 47	14	s6 11	6 58	8	44
15	We.	r5 39	7 26	0 5	15	r5 40	7 27	9	22
16	Th.	s6 8	7 57	0 42	16	s6 8	7 59	9	59
17	Fr.	r5 41	8 29	1 21	17	r5 42	8 32	10	36
18	Sa.	s6 5	9 6	2 2	18	s6 4	9 9	11	17
19	S	r5 44	9 48	2 45	19	r5 44	9 52	.....	
20	Mo.	s6 1	10 35	3 34	20	s6 1	10 39	0	32
21	Tu.	r5 46	11 29	4 31	21	r5 46	11 33	1	29
22	We.	s5 58	MORN.	5 35	22	s5 58	MORN.	2	33
23	Th.	r5 48	0 31	6 45	23	r5 48	0 35	3	42
24	Fr.	s5 54	1 40	7 53	24	s5 54	1 43	4	50
25	Sa.	r5 50	2 52	8 56	25	r5 50	2 55	5	54
26	S	s5 51	4 5	9 54	26	s5 51	4 7	6	51
27	Mo.	r5 52	SETS.	10 45	27	r5 52	SETS.	7	41
28	Tu.	s5 47	6 33	11 33	28	s5 47	6 34	8	28
29	We.	r5 54	7 11	.....	29	r5 54	7 13	9	17
30	Th.	s5 44	7 49	0 42	30	s5 44	7 52	10	2
..	.....	.....	.....	.....	..	.....	.....	.....	

MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
First Quarter..	4d. 5h. 33m. A.	4d. 4h. 33m. A.
Full Moon	12d. 10h. 24m. A.	12d. 9h. 24m. A.
Last Quarter...	20d. 9h. 41m. M.	20d. 8h. 41m. M.
New Moon.....	27d. 2h. 15m. M.	27d. 1h. 15m. M.

BOSTON & CHICAGO.				Bost. Tide.	N. YORK & PHILA.				N. Y. Tide.
D. of M.	Day of W'k.	Local Mean Time. Sun R.&S.	Local Mean Time. Moon R.&S.	Standard Time.	D. of M.	Local Mean Time. Sun R.&S.	Local Mean Time. Moon R.&S.		Standard Time.
1	Fr.	r5 57	8 30	1 28	1	r5 56	8 34		10 46
2	Sa.	s5 40	9 15	2 16	2	s5 41	9 19		11 36
3	☵	r5 59	10 3	3 5	3	r5 58	10 7		0 2
4	Mo.	s5 37	10 54	3 56	4	s5 38	10 58		0 55
5	Tu.	r6 1	11 47	4 52	5	r6 0	11 51		1 51
6	We.	s5 33	MORN.	5 51	6	s5 34	MORN.		2 49
7	Th.	r6 3	0 42	6 48	7	r6 2	0 45		3 45
8	Fr.	s5 30	1 38	7 42	8	s5 31	1 41		4 38
9	Sa.	r6 6	2 35	8 33	9	r6 5	2 37		5 30
10	☵	s5 27	3 32	9 18	10	s5 28	3 33		6 16
11	Mo.	r6 8	4 29	10 0	11	r6 7	4 30		6 58
12	Tu.	s5 23	5 27	10 41	12	s5 25	5 27		7 36
13	We.	r6 10	RISES.	11 18	13	r6 9	RISES.		8 12
14	Th.	s5 20	6 30	11 55	14	s5 22	6 32		8 53
15	Fr.	r6 13	7 6	0 14	15	r6 11	7 9		9 33
16	Sa.	s5 17	7 47	0 55	16	s5 19	7 51		10 14
17	☵	r6 15	8 33	1 39	17	r6 13	8 37		10 56
18	Mo.	s5 14	9 24	2 25	18	s5 16	9 28		11 47
19	Tu.	r6 17	10 22	3 16	19	r6 15	10 26		0 15
20	We.	s5 11	11 26	4 14	20	s5 13	11 30		1 13
21	Th.	r6 20	MORN.	5 18	21	r6 17	MORN.		2 17
22	Fr.	s5 8	0 34	6 26	22	s5 10	0 37		3 23
23	Sa.	r6 22	1 45	7 32	23	r6 20	1 47		4 28
24	☵	s5 5	2 57	8 34	24	s5 7	2 58		5 30
25	Mo.	r6 24	4 9	9 29	25	r6 22	4 9		6 28
26	Tu.	s5 2	5 22	10 22	26	s5 4	5 21		7 18
27	We.	r6 27	SETS.	11 9	27	r6 24	SETS.		8 4
28	Th.	s4 59	6 22	11 55	28	s5 2	6 25		8 52
29	Fr.	r6 20	7 6	0 17	29	r6 26	7 10		9 39
30	Sa.	s4 56	7 53	1 4	30	s4 59	7 57		10 24
31	☵	r6 32	8 43	1 52	31	r6 29	8 47		11 9

MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
First Quarter..	3d. 0h. 5m. A.	3d. 11h. 5m. M.
Full Moon	11d. 2h. 6m. A.	11d. 1h. 6m. A.
Last Quarter...	18d. 5h. 40m. A.	18d. 4h. 40m. A.
New Moon.....	25d. 2h. 18m. A.	25d. 1h. 18m. A.

BOSTON & CHICAGO.				Bost. Tide.	N. YORK & PHILA.				N. Y. Tide.
D. of M.	Day of W'k.	Local Mean Time. Sun R.&S.	Local Mean Time. Moon R.&S.	Standard Time.	D. of M.	Local Mean Time. Sun R.&S.	Local Mean Time. Moon R.&S.		Standard Time.
1	Mo.	r6 33	9 36	2 38	1	r6 30	9 40		11 59
2	Tu.	s4 52	10 31	3 27	2	s4 56	10 35		0 25
3	We.	r6 36	11 27	4 19	3	r6 32	11 30		1 18
4	Th.	s4 50	MORN.	5 13	4	s4 53	MORN.		2 11
5	Fr.	r6 38	0 24	6 7	5	r6 35	0 26		3 5
6	Sa.	s4 48	1 21	6 59	6	s4 51	1 23		3 56
7	☵	r6 41	2 18	7 50	7	r6 37	2 19		4 46
8	Mo.	s4 45	3 17	8 38	8	s4 49	3 17		5 36
9	Tu.	r6 43	4 16	9 23	9	r6 40	4 15		6 21
10	We.	s4 43	5 17	10 7	10	s4 47	5 15		7 4
11	Th.	r6 46	6 18	10 49	11	r6 42	6 15		7 44
12	Fr.	s4 41	RISES.	11 30	12	s4 45	RISES.		8 25
13	Sa.	r6 48	6 30	.....	13	r6 44	6 34		9 12
14	☵	s4 39	7 20	0 36	14	s4 43	7 24		9 57
15	Mo.	r6 51	8 16	1 23	15	r6 47	8 20		10 43
16	Tu.	s4 37	9 18	2 13	16	s4 41	9 22		11 34
17	We.	r6 53	10 24	3 4	17	r6 49	10 27		0 1
18	Th.	s4 36	11 33	4 1	18	s4 40	11 35		1 0
19	Fr.	r6 56	MORN.	5 2	19	r6 52	MORN.		2 1
20	Sa.	s4 34	0 43	6 6	20	s4 39	0 45		3 4
21	☵	r6 58	1 53	7 9	21	r6 54	1 53		4 6
22	Mo.	s4 33	3 3	8 9	22	s4 38	3 2		5 6
23	Tu.	r7 1	4 13	9 5	23	r6 56	4 11		6 4
24	We.	s4 32	5 23	9 58	24	s4 37	5 20		6 56
25	Th.	r7 3	SETS.	10 47	25	r6 58	SETS.		7 42
26	Fr.	s4 31	5 41	11 33	26	s4 36	5 45		8 28
27	Sa.	r7 5	6 30	.....	27	r7 0	6 34		9 17
28	☵	s4 30	7 23	0 42	28	s4 35	7 27		10 2
29	Mo.	r7 7	8 19	1 26	29	r7 2	8 23		10 44
30	Tu.	s4 29	9 16	2 12	30	s4 34	9 19		11 29

MOON'S PHASES. (In Standard Time.)	BOSTON. And Eastern Division.	CHICAGO. And Central Division.
First Quarter..	3d. 9h. 25m. M.	3d. 8h. 25m. M.
Full Moon.....	11d. 4h. 30m. M.	11d. 3h. 30m. M.
Last Quarter...	18d. 1h. 39m. M.	18d. 0h. 39m. M.
New Moon.....	25d. 4h. 55m. M.	25d. 3h. 55m. M.

BOSTON & CHICAGO.		Local Mean Time.		Bost. Tide.	N. YORK & PHILA.		Local Mean Time.		N. Y. Tide.
D. of M.	Day of W'k.	Sun R. & S.	Moon R. & S.	Standard Time.	D. of M.	Day of W'k.	Sun R. & S.	Moon R. & S.	Standard Time.
1	We.	r7 9	10 12	2 56	1	r7 4	10 15	.....	
2	Th.	s4 28	11 9	3 42	2	s4 33	11 11	0 41	
3	Fr.	r7 11	morn.	4 30	3	r7 6	morn.	1 29	
4	Sa.	s4 28	0 7	5 20	4	s4 33	0 8	2 18	
5	S	r7 14	1 5	6 10	5	r7 8	1 5	3 8	
6	Mo.	s4 28	2 2	7 3	6	s4 33	2 2	4 0	
7	Tu.	r7 16	3 1	7 55	7	r7 10	3 0	4 51	
8	We.	s4 28	4 3	8 44	8	s4 33	4 1	5 42	
9	Th.	r7 17	5 5	9 34	9	r7 12	5 2	6 32	
10	Fr.	s4 28	6 9	10 22	10	s4 33	6 5	7 19	
11	Sa.	r7 19	rises.	11 10	11	r7 14	rises.	8 3	
12	S	s4 28	6 6	11 56	12	s4 33	6 10	8 54	
13	Mo.	r7 21	7 8	0 20	13	r7 16	7 12	9 43	
14	Tu.	s4 28	8 14	1 10	14	s4 34	8 18	10 31	
15	We.	r7 22	9 24	2 1	15	r7 17	9 27	11 21	
16	Th.	s4 29	10 35	2 52	16	s4 34	10 37	.....	
17	Fr.	r7 24	11 45	3 45	17	r7 18	11 46	0 44	
18	Sa.	s4 29	morn.	4 43	18	s4 35	morn.	1 41	
19	S	r7 25	0 54	5 43	19	r7 20	0 54	2 41	
20	Mo.	s4 30	2 2	6 44	20	s4 35	2 1	3 42	
21	Tu.	r7 26	3 10	7 45	21	r7 21	3 8	4 42	
22	We.	s4 31	4 16	8 42	22	s4 37	4 13	5 39	
23	Th.	r7 27	5 20	9 36	23	r7 22	5 16	6 34	
24	Fr.	s4 32	6 23	10 27	24	s4 38	6 19	7 23	
25	Sa.	r7 28	sets.	11 13	25	r7 22	sets.	8 8	
26	S	s4 34	6 6	11 57	26	s4 39	6 10	8 54	
27	Mo.	r7 29	7 2	0 18	27	r7 23	7 6	9 39	
28	Tu.	s4 35	7 59	1 1	28	s4 40	8 2	10 19	
29	We.	r7 29	8 57	1 43	29	r7 24	8 59	10 58	
30	Th.	s4 36	9 55	2 24	30	s4 42	9 57	11 40	
31	Fr.	r7 30	10 52	3 5	31	r7 24	10 53	0 2	

Ther. Fri. Jan. 1, 1886 Wea.

Ther. SAT. JAN. 2, 1886 Wea.

Ther. SUN. JAN. 3, 1886 Wea.

Ther. MON. JAN. 4, 1886 Wea.

Ther. TUES. JAN. 5, 1886 Wea.

Ther. WED. JAN. 6, 1886 Wea.

Ther. THURS. JAN. 7, 1886 Wea.

Ther. FRI. JAN. 8, 1886 Wea.

Ther. SAT. JAN. 9, 1886 Wea.

Ther. SUN. JAN. 10, 1886 Wea.

Ther. MON. JAN. 11, 1886 Wea.

Ther. TUES. JAN. 12, 1886 Wea.

Ther. WED. JAN. 13, 1886 Wea.

Ther. THURS. JAN. 14, 1886 Wea.

Ther. FRI. JAN. 15, 1886 Wea.

Ther. SAT. JAN. 16, 1886 Wea.

Ther. SUN. JAN. 17, 1886 Wea.

Ther. MON. JAN. 18, 1886 Wea.

Ther. TUES. JAN. 19, 1886 Wea.

Ther. WED. JAN. 20, 1886 Wea.

Ther. THURS. JAN. 21, 1886 Wea.

Ther. FRI. JAN. 22, 1886 Wea.

Ther. SAT. JAN. 23, 1886 Wea.

Ther: SUN. JAN. 24, 1886 Wea:

Ther: MON. JAN. 25, 1886 Wea:

Ther. TUES. JAN. 26, 1886 Wea.

Ther. WED. JAN. 27, 1886 Wea.

Ther. THURS. JAN. 28, 1886 Wea.

Ther. FRI. JAN. 29, 1886 Wea.

Ther. SAT. JAN. 30, 1886 Wea.

Ther. SUN. JAN. 31, 1886 Wea.

Ther. MON. FEB. 1, 1886 Wea.

Ther. TUES. FEB. 2, 1886 Wea.

Ther. WED. FEB. 3, 1886 Wea.

Ther. THURS. FEB. 4, 1886 Wea.

Ther. FRI. FEB. 5, 1886 Wea.

Ther. SAT. FEB. 6, 1886 Wea.

Ther. SUN. FEB. 7, 1886 Wea.

Ther. MON. FEB. 8, 1886 Wea.

Ther. TUES. FEB. 9, 1886 Wea.

Ther. WED. FEB. 10, 1886 Wea.

Ther. THURS. FEB. 11, 1886 Wea.

Ther. FRI. FEB. 12, 1886 Wea.

Ther. SAT. FEB. 13, 1886 Wea.

Ther. SUN. FEB. 14, 1886 Wea.

Ther. MON. FEB. 15, 1886 Wea.

Ther. TUES. FEB. 16, 1886 Wea.

Ther. WED. FEB. 17, 1886 Wea.

Ther. THURS. FEB. 18, 1886 Wea.

Ther. FRI. FEB. 19, 1886 Wea.

Ther. SAT. FEB. 20, 1886 Wea.

Ther. SUN. FEB. 21, 1886 Wea.

Ther. MON. FEB. 22, 1886 Wea.

Ther. TUES. FEB. 23, 1886 Wea.

Ther. WED. FEB. 24, 1886 Wea.

Ther. THURS. FEB. 25, 1886 Wea.

Ther. FRI. FEB. 26, 1886 Wea.

Ther. SAT. FEB. 27, 1886 Wea.

Ther. SUN. FEB. 28, 1886 Wea.

Ther. MON. MARCH 1, 1886 Wea.

Ther. TUES. MARCH 2, 1886 Wea.

Ther. WED. MARCH 3, 1886 Wea.

Ther. THURS. MARCH 4, 1886 Wea.

Ther. FRI. MARCH 5, 1886 Wea.

Ther. SAT. MARCH 6, 1886 Wea.

Ther. SUN. MARCH 7, 1886 Wea.

Ther. MON. MARCH 8, 1886 Wea.

Ther. TUES. MARCH 9, 1886 Wea.

Ther. WED. MARCH 10, 1886 Wea.

Ther. THURS. MARCH 11, 1886 Wea.

Ther. FRI. MARCH 12, 1886 Wea.

Ther. SAT. MARCH 13, 1886 Wea.

Ther. SUN. MARCH 14, 1886 Wea.

Ther. MON. MARCH 15, 1886 Wea.

Ther. TUES. MARCH 16, 1886 Wea.

Ther. WED. MARCH 17, 1886 Wea.

Ther. THURS. MARCH 18, 1886 Wea.

Ther. FRI. MARCH 19, 1886 Wea.

Ther. SAT. MARCH 20, 1886 Wea.

Ther. SUN. MARCH 21, 1886 Wea.

Ther. MON. MARCH 22, 1886 Wea.

Ther. TUES. MARCH 23, 1886 Wea.

Ther. WED. MARCH 24, 1886 Wea.

Ther. THURS. MARCH 25, 1886 Wea.

Ther. FRI. MARCH 26, 1886 Wea.

Ther. SAT. MARCH 27, 1886 Wea.

Ther. SUN. MARCH 28, 1886 Wea.

Ther. MON. MARCH 29, 1886 Wea.

Ther. TUES. MARCH 30, 1886 Wea.

Ther. WED. MARCH 31, 1886 Wea.

Ther. THURS. APRIL 1, 1886 Wea.

Ther. FRI. APRIL 2, 1886 Wea.

Ther. SAT. APRIL 3, 1886 Wea.

Ther. SUN. APRIL 4, 1886 Wea.

Ther. MON. APRIL 5, 1886 Wea.

Ther. TUES. APRIL 6, 1886 Wea.

Ther. WED. APRIL 7, 1886 Wea.

Ther. THURS. APRIL 8, 1886 Wea.

Ther. FRI. APRIL 9, 1886 Wea.

Ther. SAT. APRIL 10, 1886 Wea.

Ther. SUN. APRIL 11, 1886 Wea.

Ther. MON. APRIL 12, 1886 Wea.

Ther. TUES. APRIL 13, 1886 Wea.

Ther. WED. APRIL 14, 1886 Wea.

Ther. THURS. APRIL 15, 1886 Wea.

Ther. FRI. APRIL 16, 1886 Wea. Ther. SAT. APRIL 17, 1886 Wea.

Ther. SUN. APRIL 18, 1886 Wea.

Ther. MON. APRIL 19, 1886 Wea.

Ther. TUES. APRIL 20, 1886 Wea.

Ther. WED. APRIL 21, 1886 Wea.

Ther. THURS. APRIL 22, 1886 Wea.

Ther. FRI. APRIL 23, 1886 Wea.

Ther. SAT. APRIL 24, 1886 Wea.

Ther. SUN. APRIL 25, 1886 Wea.

Ther. MON. APRIL 26, 1886 Wea.

Ther. TUES. APRIL 27, 1886 Wea.

Ther. WED. APRIL 28, 1886 Wea.

Ther. THURS. APRIL 29, 1886 Wea.

Ther. FRI. APRIL 30, 1886 Wea.

Ther. SAT. MAY 1, 1886 Wea.

Ther. SUN. MAY 2, 1886 Wea.

Ther. MON. MAY 3, 1886 Wea.

Ther. TUES. MAY 4, 1886 Wea.

Ther. WED. MAY 5, 1886 Wea.

Ther. THURS. MAY 6, 1886 Wea.

Ther. FRI. MAY 7, 1886 Wea.

Ther. SAT. MAY 8, 1886 Wea.

Ther. SUN. MAY 9, 1886 Wea.

Ther. MON. MAY 10, 1886 Wea.

Ther. TUES. MAY 11, 1886 Wea.

Wednesday, May 12. At the beautiful city of Painesville, Ohio, to attend the Ohio State Congregational Association. An evening visit to the celebrated young ladies' college under the charge of the accomplished Miss Evans from which hundreds of young ladies have gone out into Christian households and with Christian work at home and abroad. My host had two gas wells on his premises which supplied his house with all the heat and light required! I was unable to avail myself of the kind offer of opportunity to speak before the Association but gladly participated in the devotional and other meetings.

Ther. WED. MAY 12, 1886 Wea.

Ther. THURS. MAY 13, 1886 Wea.

Friday, May 14. At the Indiana Congregational State Association at Elkhart, Indiana, where I met with a cordial reception and ample time was given the subject of Peace. Strong resolutions favorable to arbitration were reported from an able committee of which Dr. O. C. McCulloch of Indianapolis was a member. He and others spoke at some length on the subject. At no meeting has its treatment been more generous and satisfactory. Kind hospitalities were extended to me during my stay by Elkhart friends some of whom I had long known.

Ther. FRI. MAY 14, 1886 Wea.

Ther. SAT. MAY 15, 1886 Wea.

Sunday, May 16. A busy Sunday. At 9 A.M., I addressed the Sabbath-school of the Mennonite brethren whose minister is J. F. Funk who is also at the head of the Mennonite publishing house in Elkhart. I was delighted with the spirit and the scriptural instruction given in the school, the first of that Christian denomination that I had ever seen. The brethren welcomed me to their Office of Publication and contributed to the cause of Peace which they love and have suffered to advance. They take the ADVOCATE OF PEACE and the *Angel of Peace*, read and distribute them.

At 10:30 A.M., I preached at the Baptist Church after a cordial introduction by the pastor. At 12 M. I visited and addressed the Congregational Sunday-school of which Mr. Kent, editor of the local paper, is the efficient Superintendent and Mr. Hall to whom I owe many thanks for favors received, is the clerk and librarian. At 3 P. M. I visited the Sunday-school at the M. E. Church where I

Ther. SUN. MAY 16, 1886 Wea.

preached to an audience, that overflowed the building, at 7:30 P. M. There was a collection at the latter meeting for the American Peace Society and brief remarks by the pastor and others.

Ther. MON. MAY 17, 1886 Wea.

Ther. TUES. MAY 18, 1886 Wea.

May 19–21. At Michigan State Congregational Association where our Society was assigned a place on the program and a kind hearing was given me and good resolutions passed. Flint was a surprise and a revelation, a splendid city, apparently at the height of prosperity, with fine, large churches, substantially built and a business extending to all parts of the United States. I met here several gentlemen, who served in the civil war with my brother, Gen. O. O. Howard, and who on his account treated me with exceeding courtesy and kindness. They appeared willing to have no more war.

Ther. SUN. MAY 23, 1886 Wea.

Sunday, May 23. At Lansing, the capital of Michigan. A quiet Sabbath in the family of our relative Mrs. Arthur T. Davis. A good congregation morning and evening at the Congregational Church and one of three hundred boys in prisoners' uniform at the Reform School, superintended by an excellent Christian gentleman, Mr. Gower. The precision and order that has grown to be called "military" and which was remarkably evident was very creditable. God bless the poor boys and lead them to lives of peace in Christ.

Ther. Mon. May 24, 1886 Wea.

Monday, May 24. A railroad ride to Lake Michigan and a quiet trip to Milwaukee across its still waters. Milwaukee has increased in size and grandeur since I was here ten years ago. I never tire of its noble site, its cream-colored buildings, its fine business blocks and stately public edifices. I do tire—I am nauseated at its principal business—making and selling beer. Madison, the capital of Wisconsin, has a beautiful site also, overlooking a charming lake and abounding in marks of prosperity and promise. Minneapolis, which I reached this evening, has doubled in size and wealth and—business since my previous visit. This hotel (The Niccolet) was then a conspicuous edifice, marking a stage in the great growth of the city. It is now overtopped by loftier buildings and looks outgrown.

Ther. Tues. May 25, 1886 Wea.

May 24–29. The Presbyterian Assembly, on the sessions of which I was permitted to attend, consists of five hundred and fifty "Commissioners" from nearly all the States. Resolutions printed elsewhere were presented by Rev. J. S. Cogswell of New Hampshire and referred to the Committee on overtures of which Dr. Craven of New York was chairman. I was given a hearing and they were adopted and I was allowed ten minutes to address the Assembly, eight of which I occupied. I felt greatly indebted to the courtesy of Dr. Craven, Dr. Marquis the moderator, as well as for the encouraging words of Dr. Cros-

by of New York and the hearty co-operation of Rev. Samuel Dunham of Binghampton, N. Y., who acted as a sub-committee and drew the resolutions as finally passed. The Peace Committee, consisting of Drs. Hickok of N. Y. Dr. Gibbons of Philadelphia and Elder J. W. Mears of the latter city, was very satisfactory. We hope to have a good report from them on Peace and Arbitration next year at Omaha, Neb. The prayer meetings were tender and delightful. John Hemmenway, the author of William Ladd's life, visited me for several hours and we conferred and prayed together for the cause of peace, much to my comfort and strengthening.

Ther. WED. MAY 26, 1886 Wea.

Ther. SAT. MAY 29, 1886 Wea.

Ther. SUN. MAY 30, 1886 Wea.

Sunday, May 30. In common with other ministers I addressed a meeting at the Friends' House of Worship, and dined with Dr. A. H. Lindley, a prominent member of the Society, and was hospitably entertained also by Dr. A. V. Talbert and wife.

Ther. WED. JUNE 2, 1886 Wea.

Ther. THURS. JUNE 3, 1886 Wea.

June 1–3. Joined in an excursion over the Manitoba Railroad with 125 others from fourteen States to Devil's Lake and return. At Fergus Falls, Crookston, Grand Forks, Devil's Lake Village, Loramie and Fargo (where I preached in 1871 when there was but one framed house), we had receptions, rides, entertainments, religious meetings and hospitality.

The new country is rapidly settling and the towns are growing wonderfully. Wheat is the staple and if the crop does not fail from drought or other cause prosperity is assured. It was delightful to visit and encourage the little struggling churches of this "new North West."

Ther. FRI. JUNE 4, 1886 Wea.

June 3–5. At Marion, Iowa, at the meeting of the Congregational Association of the State. Spoke by invitation on the work of the American Peace Society Saturday at 4 P. M. Rev. Geo. F. Magoun, D.D., prepared and presented resolutions cordially approbating our work.

They were unanimously passed, after a spirited and eloquent address by their author.

Ther. SAT. JUNE 5, 1886 Wea

Ther. SUN. JUNE 6, 1886 Wea.

Sunday, June 6. Preached at Presbyterian church, Mt. Vernon, Iowa, to a large congregation. I was the guest of A. F. Foster, editor and publisher of the *Day-Star*. His good wife aids him in every way in prosecuting the peace work which they regard as a work of faith and in it they have been sustained and prospered. His press, invented by himself, and the printing in which his daughter assists is of the primitive order. Help him, everybody who can.

At 3 P. M., I addressed a congregation at the M. E. Church assisted by the pastor and a resident minister. One of the teachers and a number of the students of Cornell College were present, the latter in military dress. Lovely for situation, surrounded by a rich country, the College overlooks one of the fairest portions of our land. At 7:30, I preached at Presbyterian Church, Marion. At the close of the service was greeted by Mr. and Mrs. Pratt of Cedar Rapids. Mrs. Pratt united with the church at Island Falls, Me., where I spent a vacation and formed a church in the house of Jesse Craig twenty-seven years ago.

Ther. Mon. June 7, 1886 Wea.

Monday, June 7. Addressed a meeting at Springvale, a beautiful agricultural town, a few miles east of West Branch.

Entertained by J. & Chosley Lupfe - joined with J. G. Hoover Minister of Friends Soc
A. M. - Symonds

Ther. Tues. June 8, 1886 Wea.

Tuesday, June 8. Addressed a full meeting at West Branch where I met many stanch peace men and women, among whom was my host Abner Branson.

Neal Madson

Saw Dr. & Mrs. Anthony - Mr Egbert Curtis
Mrs Ford, Mrs Dr. Mrs. Stoughtenburg - Mr
Dr. Smith. Henry Cook called on
Mrs Corse - Saw Rev & Mrs Norton. Chas Pascom
Mr & Mrs Harrison. Mary Longjoy. Mr Hodgman
Mr Ford

Ther. Wed, June 9, 1886 Weather

Wednesday, June 9. Stopped off a few hours at Princeton, Ill., and saw many friends of my former parish 1870-75, at a Sunday-school picnic. Was the guest of Dr. E. J. Schenk and Mrs. Rufus Carey.

Ther. Thurs. June 10, 1886 Weather

This morning, June 10th, I left my regular western route at Buffalo and ran northward by Niagara Falls to Suspension Bridge and then eastward forty-five miles to Wilson on the Rome and Watertown R. R. and secured a conveyance to East Wilson, six miles, so as to arrive there by ten o'clock. My object was to visit a retired Presbyterian minister, Rev. H. Halsey, who resides at the latter place on the farm on which he settled forty years ago. As he is over ninety, I was surprised to find that he had gone back half a mile from the house to sow grass-seed!

A messenger brought him home quickly. His slight, erect form and elastic step gave no tokens of his great age. But his eyesight was such as to make reading exceedingly difficult and his hearing is also somewhat impaired. But his unmistakable pleasure at my visit and the full sympathy in which we found ourselves as to the Peace reform made me forget all differences of age. His health com-

Over

Ther. FRI. JUNE 11, 1886 Wea.

In dark days as well as bright he has stood in his place as a disciple of William Ladd and Jesus Christ, and whatever he could do he has done. We enjoyed an hour's conversation and prayer, greatly refreshing to the visitor. As I turned backward and lingered around the grandest cataract of the world, I said to myself: "That uncomplaining minister of the Gospel for forty years, deprived of his chosen and beloved occupation, laboring with his hands and cheerfully giving the products of his industry and economy to Christ, is more remarkable than Niagara itself. Nature has wrought here, grace there." I turned westward with a heart full of affectionate reverence for Herman Halsey and grateful praise to God.

Ther. SAT. JUNE 12, 1886 Wea.

pelled him to retire from a regular pastorate when he came from Niagara Falls to East Wilson, but he continued to preach as opportunity offered, and has been a prompt and welcome attendant at his Presbytery and is known and honored in the entire region, of which Lockport is the chief town, as a man of extraordinary cheerfulness and vitality, honest, earnest and thoroughly Christian. His modest farm-house is at the point where his large and productive farm (now rented) touches the highway. His children and grandchildren live in the vicinity. He is not rich in this world's goods, but rich in faith, and in love for Peace.

Ther. SUN. JUNE 13, 1886 Wea.

Sunday, *June* 13. At Glencoe, near Chicago, Ill., the home of my brother Charles and of our mother who was able to go to the chapel and hear me preach in the morning. Both services were well attended as was the Sunday-school which receives twenty-five copies of the *Angel of Peace* monthly. It was an intensely hot day.

Ther. MON. JUNE 14, 1886 Wea.

Ther. TUES. JUNE 15, 1886 Wea.

Tuesday, June 15. Attended a revival meeting at the Friends' meeting-house in Chicago.

Ther. FRI. JUNE 18, 1886 Wea.

Ther. SAT. JUNE 19, 1886 Wea.

Saturday, June 19. Back again to my home in West Medford and our office in Boston. Five busy weeks of absence have not been without weariness, but have been full of hope and promise.

Ther. SUN. JUNE 20, 1886 Wea.

Ther. MON. JUNE 21, 1886 Wea.

Ther. TUES. JUNE 22, 1886 Wea.

Thursday, June 24. Attended Commencement at Bowdoin College, the scene of the life and labors of my teacher, Prof. Thomas C. Upham, and of President Appleton. William Ladd's visits and speeches are well remembered by the older Alumni. It was the thirtieth anniversary of my class graduation. One-third of the thirty-three came together, two for the first time. Galen C. Moses received us at his beautiful home in Bath and entertained us by a sumptuous dinner at the hotel. But the richest viands were the reminiscences of college days, and those of thirty years. I said a few words for the

Ther. WED. JUNE 23, 1886 We

class at Commencement dinner, expressing our confidence in and affection for the college under its new and young President, Hyde, who seems to have "come to his kingdom in due time." Revisiting the scenes of my boyhood stirred profound emotion and confirmed all good purposes.

Alas, how changed! The best and dearest friends are away with God. But their example and teachings remain, and He who inspired them is our God and the God of our children. One could but note the marks which old age and illness had made on familiar faces foremost on these occasions, but to be so not much longer. What a sweet and blessed alumni prayer meeting we had! Methodists, Baptists, Congregationalists testifying to God's goodness and bowing together in prayer.

Ther. THURS. JUNE 24, 1886 Wea.

over

The summit of our life-work is reached. Alas, how little elevated as compared with early ambitions, early ideals and hopes! But we "maun totter down." Something yet remains to be done by these men of mature minds and ripened character. It was delightful to be conscious, as we were, of moral elevation and progress in our dear classmates, and to cherish tender hopes of reunion with even the departed ones.

Ther. FRI. JUNE 25, 1886 Wea.

Ther. SAT. JUNE 26, 1886 Wea.

Ther. SUN. JUNE 27, 1886

Sunday, June 27. At Rockport Mass., preaching in the Congregational Church, addressing the Sunday-school and a union of churches in the evening. The annual collection for the American Peace Society was taken. The pastor, Rev. A. F. Norcross, is a life member.

Ther. MON. JUNE 28, 1886 Wed.

Monday, June 28. Heard a most admirable and inspiring address at a ministers' meeting in Boston, on the theology found practical in preaching to heathen, by Rev. William Ashmore, D. D., a Baptist missionary to China. He believes as I do, that we are in the last and culminating era of the world, when that indicated by the sound of the seventh angel's trumpet — Rev. xi. 15 — will take place.

Met at evening with the Salem Congregational Club, and spoke from personal observation on the ways in which God inspires men and churches to worship Him, I believe acceptably, from the solemn and impressive silence of the Quakers of Philadelphia to the classic music and elaborate ritual of St. Peter's, at Rome. Out of all good men something will be contributed to make the perfect man. So out of all creeds will come the perfect creed, and out of all modes of worship God will cull, unite and welcome that most pure and worthy of himself. In it all Christians will at last join. Silence and song alike, in their places, glorify God.

Ther. TUES. JUNE 29, 1886 Wea.

Ther. WED. JUNE 30, 1886 Wea.

Ther. THURS. JULY 1, 1886 Wea.

Ther. FRI. JULY 2, 1886 Wea.

Ther. SAT. JULY 3, 1886 Wea.

Ther. SUN. JULY 4, 1886 Wea.

Sunday, July 4. Independence Day was marked in Leominster, Mass., by an address at the North Church attended by a Post of the G. A. R., and one at a Union Meeting at the main village in the M. E. Church. Rev. N. I. Jones, of the North Village, kindly arranged for these meetings so appropriate to the day. Collections for the work of the American Peace Society were taken in both places. I was the guest of Deacon Cowdry, who became a life member under the pastorate of R. P. Stebbins, D. D., many years ago. Dea. Leonard Burrage is also an honored Life member. Had a comforting call on a former pastor of my mother—now ill—Rev. Mr. Chapin.

Ther. Mon. July 5, 1886 Wea.

Ther. Tues. July 6, 1886 Wea.

July 6–8. Attended the sixth anniversary of the United Young People's Christian Endeavor Societies at Saratoga, N. Y. Beginning but six years since in Williston Church, Portland, Me., then under the pastorate of their founder, Rev. F. E. Clark, now of Boston, these Societies now number 800, with 50,000 members and in nearly all denominations. There were 500 at these meetings which were characterized by youthful enthusiasm and spiritual vigor. The "Endeavor" Societies are undenominational and seek to bridge over the space in religious congregations between the old and young and lead the latter by mutual co-operation to Christ and his work. It was a healthful, hopeful meeting, full of bright promise for that future whose character will depend so largely on

Over

persons now very young. O, that it might be the generation to abolish war! The sermon by Dr. Deems of New York, and the addresses of Drs. Rankin of New York, Twitchell of New Haven and Alden of Boston, which closed the meeting, were full of eloquent, instructive and wise counsel for the young people who certainly showed by their business methods, their discussions and devotional spirit, that they were worthy of the wisest and best thought of the best men. God bless them.

Ther. WED. JULY 7, 1886 Wea.

Ther. THURS. JULY 8, 1886 Wea.

S. and S.E.

Friday, July 9. Addressed a parlor gathering at the Medical Institute of Drs. S. E. and W. S. Strong, father and son, who, by their excellent table, medical skill and Christian courtesy, have attracted hundreds to their Saratoga home. The elder Dr. Strong was a minister of the gospel till health compelled him to give up that work. The cleanly and quiet table, the pleasant yard and playgrounds, the regularity of family worship, the frequency of attractive and instructive "entertainments," have made this a favorite resort of those who for any cause need in summer or winter a period of rest. All diseases are skilfully treated with every appliance of various baths and the best medical advice and treatment. But all

persons are welcome, and, in fact, comparatively few are in any sense invalids. I regretted that myself and family could spend but a brief period in this cheerful, health-giving, restful "Institute." We met many here interested in our peace principles and work, and confidently expect that not only the more public meetings, but the social opportunities of our Saratoga week may bear fruit in Christian friendships there formed, and in mutual helpfulness in every good work.

Ther. Fri. July 9, 1886 Wea.

Ther. Sat. July 10, 1886 Wea.

Ther. SUN. JULY 11, 1886 Wea.

At J H Taylors
Rome N.Y.

10.30 Preace
12-00 S.S.
3.00 Y.M.C.A
7-30 Gettysburg

Sunday, July 11. At Rome, New York, at the home of my college classmate, Rev. James H. Taylor, D. D., whose pulpit (Presbyterian) I supplied in his absence, making a brief address to the Sunday-school and the Y. M. C. A. meeting at 3:30 P. M. A large delegation of the G. A. R. came to hear me in the evening. I was told that seventy-five saloons were habitually open on Sunday in this beautiful church-going city of 13,000. I saw one open and a drunken man came out. Large and intelligent congregations listened attentively to my addresses, in some of which intemperance as well as war was rebuked. Dr. Taylor was made a life member of the American Peace Society.

Ther. MON. JULY 12, 1886 Wea.

Spent night
at Saloga

Ther.	Tues. July 13, 1886	Wea.	Ther.	Wed. July 14, 1886	Wea.

Ther. THURS. JULY 15, 1886 Wea.

At W Castleton

Vt

Ther. FRI. JULY 16, 1886 Wea.

Do

Night at

Bates House

Rutland Vt

Drive to Pittsford

Int Meeting

Ther. SAT. JULY 17, 1886 Wea.

Reached Home
at 8-30-
Rell.

Ther. SUN. JULY 18, 1886 Wea.

Gave 6 cents
To Peo meeting
at Sarah's
at West Medford
7-30 Rell.

At home all day

Ther. WED. JULY 21, 1886 Wea.

Ther. THURS. JULY 22, 1886 Wea.

Ther. FRI. JULY 23, 1886 Wea.

Ther. SAT. JULY 24, 1886 Wea.

Nights at Mrs
G. S. Coles 8,
Sangus-

Ther. SUN. JULY 25, 1886 Wea.

10-30 - East Saugus
M.E. Ch. Rom 8.
15-
1-30. M.E. Church
S.S. Saugus

2-30 - Preaching
Ditto

7 - Y.P. meeting

7-30 - Union
meeting at
Congl Ch

Night with Robt.
Lawton

Ther. MON. JULY 26, 1886 Wea.

Sunday, July 25. Preached for the second time at East Saugus for my friend, Rev. D. S. Coles (M. E. Church), who is at Clifton Springs for his health. A pleasant walk of a mile enabled me to call at the Universalist Church and secure a cordial invitation from the pastor, Rev. Mr. McInery, to his congregation to attend the evening meeting. A brief teaching of a class and an address to the Sunday-school preceded the more public services at the M. E. Church of which Rev. D. D. Richards is pastor. A pleasant young people's meeting and a crowded evening audience (Union) at the Congregational Church filled out a very delightful Sabbath. (A wedding was hastily attended to after the morning service.)

Ther.	Tues. July 27, 1886	Wea.	Ther.	Wed. July 28, 1886	Wea.
	Lech Sanger			After my Paper	
	Ch. Room			Prepared at M.	
				Theology on	
	M. E. Church			Obs. in Nutrition	
	L. L. Sanger				
2.30				In Office	
7					
7.30					
Ave.					
Ten					
Hgh					
Low					

Spoke in Prayer meeting at W. Medford on Charles Hutchins

In Office

Left Boston at 9.45 A.M. via Fitchburg RR. with Lunch for Saratoga Arrived (200 miles) at 5.35 P.M. At Dr Shrigs Paid $3.75 by advertising 2 also RR. to and from B.

Concert in Park 100 at 8.30.

All my Adv. ments to press

Attended Rogers
at 9. Union Sr.
meeting 10. A.M.
Rode at 11. " "
Left at 12.50

At Albany from
3.20 to 4.30

At Pokeepsie
Edward Crummey

R.R. Self.		2.65
" " L.		2.65
Dinner Self		25
" L.		15
Supper L.		15
Self		20

Called at
Mr Smiley's
Preaching at Willets
Gave Clinton
near Salt Point
N.Y. 12 miles
East of Pokeepsie
10. A.M. Conducted
devotions & made
3. Addresses. 2000
present afternoon
of. Dego paid me

	5.00
Crummey	.50
Jones	.50
	.50
Cash	.10
	$ 6.60

Evening rainy Small
meeting at N.Ch.
Dr Blond & three
Indians
Went home

Ther. MON. AUG. 2, 1886 Wea.

Left Poke Epsic
at 11.50 A.M.
Lafford Cummings
Ledd "
Dinner at Mechanicsville 2 - 1.00
R.R. $1.95 each
2
$3.90
Arrived home
at 10.20 P.M.
Received for
Selling Jas
Hitchborn $10.00
5. for round trip -

Hare at S. - 1.00
Man .25
Water .40

Received L.B.A.
$400.00
Note mother

Ther. TUES. AUG. 3, 1886 Wea.

In Office. Paid
Bread 30. Lowry
$14.95. Oher 7.25
Paper .35 Dinner
.75 -
Lent Frank 3.00
Paid Encyclopedia 5.00
This Book .35
~~Les~~
Note David. Chas
John H. Otis 2
Mother

At Farewell -

Completed "Angel"
for August -

Ther. WED. AUG. 4. 1886 Wea.

In Office

Ther. THURS. AUG. 5. 1886 Wea.

Had meetings as usual

Dep. in Merchants Nat'l Bank $50.00 credited to Lawrence Co

Mailing Papers

Went to Milford
at 4.35 P.M.

Dep. in Merchants
Nat Bank
330.00 received
of Laura B.
Otis

Ther. SUN. AUG. 8, 1886 Wea.

Engaged at Milford
Trust
Reached A. M.
& left 4.26.17

Called on
Dea J. A. Cement
and
Sir Adin Ballou
of Hopedale

Ther. MON. AUG. 9, 1886 Wea.

In Office.

Engaged to be at
Hartwell Maine
10-30 - Preach here
Center Church
3. Calls at Hartwell
Returning
1P - S.S. Center
7-30 - Sermon -
Breakfast in Portland
Arrived at K. 11-30
Drived of Carl Randall
Lea the Discourses
S.S. convention
2-30 Preach
7-30 " "

Mrs Samuel
on Orr Island
by Steamer
" Coles
Mrs Fox Stowe
Rev J. G. Mitchell
Prayer Meeting
Go Recent
" Refuge "
Young Pierce
Work for Prayer

Went to Brunswick
- Heller to Mr
Coles
Wm Frost
Mrs Curtis at
Lookout
Left Mrs
Mr Isaac Hodgkins
Thos Eaton
7.5 at Prayer
meeting
Lifting up Christ
drawing to Him

Sunday Sept 13 -

Calls
Isaac Messinger
Jos Sloan
" Sloan Jun
Mr Littlefield
Rev. Mr. Little

Went to Cox Island
with family & bonder
of Eliza Cox
Saw Rev Mr Andrews
Enter

Sat Aug 14
Calls Capt Clarke
Mr Geo Allen
Capt Hugh Jones
James & Saml Alexander
Hannah Allen

Entertainment Mr
Harfswell. M. H.
Had Henry Hackett's
horse.

10-30- Pt nor
12 - S.S.
3 - Mr Harfswell
Gettysburg
7-30- Sermon
Center
Calls
Capt Bishop
Jacob Sloan

Ore Island
Lydia Dugan Sage
Peggy Dugan
Clement Shofield
Seth
Cheney Johnson
Jane Stover "
Quinn Capt.
Shubal Merriman
Colls
Elisha Stone
Mr Betsey Alexander

Went to Hampton
Colls (Campbell)
Geo Barnes
Capt Isaac Merriman
Boys
Rev E Kellogg
Bros
Dr. Mitchell
Mr Cranford Allen
Mr Charlotte Eaton
Hannah

Hampton
Lorat Carter
Mr Thos Adams

By Farmington.
Tea at Mr Houghton's
with Mr Clara
Cutler, Mr. R. Cutler
Mrs Hannah Green
wood - Mrs C. Norton
Mr. E. Johnson
Mr Howard. Mrs
Groves.

Calls
Stillman Jarbex
Heard Senator
Hall & U.S. Rep
Dingley & A
Mark Hall

Went to Kingfield
28. miles on
narrow guage
with wife & children.
Drove about with
Mr Carter & Miss
Sara Clay & wife.
$1.00
Saw Mt Abram
near at hand
and was impressed
with its majesty.

Rev. Knapp then
Gen. Howard meeting.
(He said)

Went to Morrison
cook & stayed
from 10-30 to 3-
4 1.00-
Arrived at Dex-
ter & met Ellie
Gilmore-

Saw Rev. Mr
Kellog. Poem of
Barron memorial
Ch. in the same-
Mr & Mrs Frazer children
Ellie
Drove to Lincroft-
(Blethen's Hotel)
with me

10-30 Cong. Ch
7— " "
Collection 12.00
Rev Morehouse 5.00
417.00

3. addressed Gore
meeting of M.E
C. A. &
H. W. C. T. U.
at Pt. Pleas.
Bap. Ch.
Calls
Deac Hall
do Dyer
Sam
Deac Mago
Deac Woodbury
Mr Plummer
do Packard
other Hann &c

Started for Dexter
at 6.45 a.m.
and thence for
Bangor at 4.15
P.M. Spent night
at the Leaders —
Stephens Mac
and Don — Katie
at Bar Harbor
with the Frank
Wilson —

Ther. TUES. AUG. 24, 1886 Wea.

Come to Portland
Seen O.O. Fly 2d
Went to Sebago
Lake & heard
Blaine & Reed

Night at City
Hotel 1,25

Ther. WED. AUG. 25, 1886 Wea.

In Office at 2 P.M.
Home at 10-30

Rev Henry S. Clubb
Phila. - called
Mary Tufts of
Rockport
& niece Anna -

Calls while away
Smith Baker
E.B. Palmer
Mr Palmer

Ther. THURS. AUG. 26, 1886 Wea.

Prayer meeting
C.M. 11-30
W.M. 7-45

Editorial work &
Correspondence

Ther. FRI. AUG. 27, 1886 Wea.

In Office
Com. Trust
L. S.
P. M.
Medford Commun.
J. P. Sr.
W. Medford
Much fog
Now shall make
Union afraid.

Ther. SAT. AUG. 28, 1886 Wea.

In Office all
at home

Ther. SUN. AUG. 29, 1886 Wea.

10-30 N. Medford
Rom. 8. 28-
12- S.S.
4 P.M.
Medford Common-
7 P.M.
N. Medford
Micah 4. 4
None shall make
them afraid-

Ther. MON. AUG. 30, 1886 Wea.

In Office

Ther. TUES. AUG. 31, 1886 Wea.

Ditto

Ther. WED. SEPT. 1, 1886 Wea.

Ditto

Ther. THURS. SEPT. 2, 1886 Wea.

Mr Rogers
meetings

Carl
Veach Parade
Mrs Boylston
Mrs Lontz
Mrs Allen
Hare $1.10
Boggs .60
Lloyd .83
Lick .60
Ott 3.60
$7.63

Ther. FRI. SEPT. 3, 1886 Wea.

Led Bap Ch
Meeting Cheapside

Ther. SAT. SEPT. 4, 1886 Wea.

Went to Rockford
& F. Clare
Calls
Rev. Mr. Macross
Mrs Boylston
Mrs Foster
Jno. Allen

Hose	2.00
Barge	.60
Lord	1.83
Lish	.60
OR.	3.60
	$7.63

Pigeon Cove Chapel
10-30 a. m.
"Office of Jesus"
Heard Rev. C. Jones
in Evening -
Cards
J. H. Harris (Mrs
Mr. Saml. Harris
Lich.

Parade of Knights
of Labor 7,000

Ther. TUES. SEPT. 7, 1886 Wea.

Helen & children
at Northfield

Told Mr Ford
would give
$ 25 for
Dogwood

Ther. WED. SEPT. 8, 1886 Wea.

met Family
on Steamer

Heard Mrs
Livermore
on the Women
of the Revolution
at Old South

Mr & Mrs Leeds
called at Office –
Went to Depot
met them –

Frank never
home

I paid him
1st 4.00
2d 15.00
$19.00
At C.H.P. Meeting
Not at W. Meeting

Frank Boots $4.00
Suit $25.00

Raining.

Ther. SAT. SEPT. 11, 1886 Wea.

Ther. SUN. SEPT. 12, 1886 Wea.

M. E. Douglass
Per W. T. Biggs
10th Coll

10-30 Cong'l
2,15 M.E. Ch.
7. L.S. Concert

Ther. MON. SEPT. 13, 1886 Wea.

Ther. TUES. SEPT. 14, 1886 Wea.

Mt. Asson
Manchester -

Ther. WED. SEPT. 15, 1886 Wea.

At Manchester

Ther. THURS. SEPT. 16, 1886 Wea.

At Manchester
Pass to Nashua

Spoke at 10 - A.M.
Left at 11 " "

Resolutions
were passed

Jamie
& Alleride
here for
night

Ther. FRI. SEPT. 17, 1886 Wea.

Ther. SAT. SEPT. 18, 1886 Wea.

Charles & wife
2 Dos cakes
at 10. B-

Ther. SUN. SEPT. 19, 1886 Wea.

All at Ch together –
Sermon from Pastor on

He cut it with a knife

Ther. MON. SEPT. 20, 1886 Wea.

Ther. TUES. SEPT. 21, 1886 Wea.

Ther. WED. SEPT. 22, 1886 Wea.

Went to Portland
with Chas & C
on Steamer

Rode to Cambridge
with Katie

Ther. THURS. SEPT. 23, 1886 Wea.

Dined with
O. O. A.

Came home
at 12-30
P. M.
Assigned
at 6-30

Ther. FRI. SEPT. 24, 1886 Wea.

Ther. SAT. SEPT. 25, 1886 Wea.

In Office

Ther. SUN. SEPT. 26, 1886 Wea.

Preached at
W. Medford
Evening on
the Spiritual
Nature of Modern
Crimes
II Tim. 3.13 ?

Ther. MON. SEPT. 27, 1886 Wea:

In Office

Ther. TUES. SEPT. 28, 1886 Wea:

In Office

Rain Storm

Ther. WED. SEPT. 29, 1886 Wea.

In Office
Universalist
Convention
Gloucester
Helen & B
there - She
went to
Rockport

Took tea
with Mr
Brooks who
gave Helen
6 Pb

Resolutions -

Ther. THURS. SEPT. 30, 1886 Wea.

Led P. M.
Eagle House
11-30 A. M.

Led M. Medford
P. Meeting

Ther. FRI. OCT. 1, 1886 Wea.

Attended the
anniversary
of Dr Leach
at Mr Ryan
with wife
Dr M - 70
Was settled
1836

Mr Palmer (Rev)
called

Ther. SAT. OCT. 2, 1886 Wea.

Martha Martin
called

Ther. SUN. OCT. 3, 1886 Wea.

Ch: W Mal-
ford 10-45

Minisink
Chapel
3. P. M.

Pr Meeting at
Evening

Ther. MON. OCT. 4, 1886 Wea.

Gave Clis
Check. 100.
Orderson
Sav Bank $50. —
Tooh note $150.
Bill of Sale of
his furniture
$1384.

Ther. Tues. Oct. 5, 1886 Wea.

Pilgrim Conf.
Faith Plymouth
Spoke at S. Pitts
Sunday was
2 Holy Spirit

Rev J. S. Rotie

Walk between
Services

Ther. Wed. Oct. 6, 1886 Wea.

Communion
Home at 5.30
Pitts.

Funeral of
Mrs Allen Smith
Sen - Rochester
Here gratefulness
12th —
Calls
Mr Pearman
Mr Bartlett
Mr Foster
Mr D. T. Tarr

In Office

Ther. SAT. OCT. 9, 1886 Wea.

Church of Pilgrim
age Plymouth
Mass - Preacher
10-30 a.m.
7-30 P.M.
S.S. 12
P. meeting 6-30
Rev Eddy T. Litts
Burial Hill
Cushman Monument
Memorial Rock
Compact, Rock Uphan
Mr Hewins
War & Pilgrims

Next to
Plymouth
2.30 P.M.

Ther. SUN. OCT. 10, 1886 Wea.

1

Min meeting
English left us

Helen & Ella
dined with
me Corner of
Mt Vernon
& Hancock Sts

9th Reg. drilled
on Common -
Being reviewed
one of Nov

In Office
completed Sugg
for Nov.
Mote
Frank - Olie
Louisa. David
etc

Mr & Mrs Morrill
came in with
Helen -

Ther. WED. OCT. 13, 1886 Wea.

Seven cows

Olin & wife
Started for
Denver

Ther. THURS. OCT. 14, 1886 Wea.

Ditto -
At Little Prayer
meeting - at home
Evening -
Olin Household
goods came
33 packages
Paid
Steamer 3.90
Telegram .25
Smith 5.00
9.15 -

Ther. FRI. OCT. 15, 1886 Wea.

Negroes marching
K. of L.
Music

Ther. SAT. OCT. 16, 1886 Wea.

Moti Ollis
" J. B. Wood
Severe Cold

Birthday Ellwjane
me a marked hand-
kerchief. Rankie
some sculptured
soap - Helen a pic-
ture frame & Sarah
a Birthday Cake -
Heard Dr Hood
on the Spiritual &
physical healing
illustrated by the
miracle of the
dumb Boy. John
Howard called - Mrs
Mohn - Read Rushins
life - Laddes Essays
& Life Honest
Mathematics & some
other books -

Rainy morn.

Min meeting
at B. C. L. Meeting

Butter Cream 25
Gas $1.10 .75

Cold bed

Mr B.G. Collect
at Office

Sam Murdoch
Hospital –
Asso. Charities
Good Samaritan
Hospital
Miss Jock
Motson
Dr. Shattuck
Surgeon

Angel Hoff Connec-
tect –
Frank Brooks
R. S. Newall
Alice Smith
F.G. Howard (2)

Great Fire in Stam-
ington – the Grosse
House burned at
3.30 Sat Morn
Very little Saved
Ins
House 800
Furniture 200
Clothing 200
$1200

Congl Church &
Parsonage burned
Bgll & Communion
Service

Ther. SAT. OCT. 23, 1886 Wea.

At home all
rest part of
day
"Angels" early

Ther. SUN. OCT. 24, 1886 Wea.

At home - over
better

Helen goes
to Farmington

Edward J. Heath
of Philippine Isl-
So Portsmouth in
Evening.

Attended
Woburn Conf at
Lexington
assisted at
Communion -
Christ Blood
speaketh better
things than
that of the
patriotic martyrs
of Lexington

Ther. WED. OCT. 27, 1886 Wea.

I came
in Office

Ther. THURS. OCT. 28, 1886 Wea.

Attended both
Prayer meeting

Bro Dunham
Called at
Office

Rain Storm
3 days –

Left "dinner
L. R. Carpenter

Came from
Office 3 P.M.

Richards not
in

Lent

Attended Ch at home
Rev Mr Upham, He
evidenced as seeing
him that is
invisible

Both Children at M.
church see next page

Z. & Ch. Sa Ego
found Cat Refuse
Gilmores unsigned wills
& sent to L
Charles with
Comments

Took Helen to
House of God
Mountain choc-
~~Col~~ Lem St Boston
Diana & Rollie
went with me
Paid 2$ for lem

Today Bal in
Year A.P.S. 4234
All bills paid
3-$ to Richards

Mr Breed consulted
~~to~~ me putting in
a door

Paid all bills

30.$ from H. Haley
for Cat. L.
Call
Mr Breed
Saw Mr Porter in
Boston

Ther. TUES. Nov. 2, 1886 Wea.

At home. Mr. Richmond here - Norman Cleary - Got in coal.

Helen Howes Mother came

Ther. WED. Nov. 3, 1886 Wea.

Mr Graves & Honor came with Helen at 6. P.M.

Ther. THURS. NOV. 4, 1886 Wea.

Left Cayl Anne
Prayer Meeting
Invisible God

Ther. FRI. NOV. 5, 1886 Wea.

Wrote Olie & David on anniversary of their Mother's death 1871

Dr C. E. Lord of
Newburyport
Collect
also
Miss Mc Entire
of Exeter the
latter has copies
of Advocate

Preached and ad-
dressed S.S. at
East Milton mass
by request of the
pastor Rev Stacy
Fowler -

Was entertained
by L Rand
Mrs Forge
Mrs Fog
Mrs Brown Fairg
~~Martha~~ Rand
Mr Poole

Ther. Mon. Nov. 8, 1886 Wea.

Rollie & Ellen saw
the Pres. pass
Fremont House
on his way to
Cambridge 9
a.m. I was
with them
Dea Fitcomb
spent night
with us

Ther. Tues. Nov. 9, 1886 Wea.

With Deac. Fitcomb
Mr Dunham
Called

Ther. WED. Nov. 10, 1886 Wea.

Ther. THURS. Nov. 11, 1886 Wea.

At the usual
prayer meetings.

Called at
Mr Russels
with Mr Dunlavin

Ther. FRI. NOV. 12, 1886 Wea.

At work in
Advocate.

Next to
Lee E.S.
Foley at
Brookline
with Mr Dunham

Ther. SAT. NOV. 13, 1886 Wea.

Next to Lowrisend
at 4.30.

Ther. SUN. NOV. 14, 1886 Wea.

Formed Center
10-30 A.M.
7-30 P.M.
Engl - S.S.
Meth - S.S.

Rev R. R. Hanford
at union meet-
ing
at
Dea Horace
Peckham,
whose wife
was an invalid
from W. Bexford
Capt. Lessenden
" Shaulday
Dea Hagues
Mrs Hagues

Ther. MON. NOV. 15, 1886 Wea.

In Boston at
9-30 -
Busy in Office
with Advocate
& correspondence
H. C. Dunham
called

$50 from
R. D. Mazzoy
Mission Fund
Pay.

Mr Drummond
- Called -

Heard - Moody
in McKenzies
Ch. Cambridge

Jno B. Moody
sail for Europe -
today -
Care of
Morgan & Co
London
Eng

Ther. THURS. NOV. 18, 1886 Wea.

At both Prayer meetings

At Printing Office

Ther. FRI. NOV. 19, 1886 Wea.

At Printing Office

Paid McGrath Bros $7,20.00 for Blacksmith work from P.B. Fund

In Office

Mrs Carey sick

10 ℔ P.S.

Heard Monday at

10-30 & 3. P.M.

at Cambridge. Helen

& Rollie P.M.

Heard Pr Mr Leland

at Quincy at W.M.

Ministers meeting
subject: conditions
of Ch. membership—

Moody at 12 in
Tremont Temple
2800 present—
"Good Samaritan"

Howard helped
1. day

Rowlie got [illegible]

20 subscribers
to Angel.

Mailed Advocate

Howard helped
1/2 day

Bot turkey 16 2/3 cts

Rain storm

David sent
16 ℔ for interest
L.B.C. 8.00
B.B.H. 2.50
Sent Laura 10.00

Heard Gen Booth
at Tremont
Temple

Ther. WED. Nov. 24, 1886 Wea.

In Office on
correspondence

Helen & I
called at
Mrs. Gen Hopkins
& I. San Lieu

Ther. THURS. Nov. 25, 1886 Wea.

Preached in Engl
Ch: 11. A.M.
Acts 17-26-
Rainy Day

Go. to Church
Rev E. C. Hood helped.

In office on
Correspondence

Jardieguth called
& gave 20¢ for
L.M. A.S.S.
John Kendall
Jeanville Ind
$3.50 - Sabrina
Wilcox Bear Lake
Iowa $1.25
Rentie Fenard
2.15
Dr. Naile called

Mr & Mrs Mosill
here for night

Ther. SUN. Nov. 28, 1886 Wea.

At home -
10-45 Rev Dr Hord
6 Pell St. N. & N with
Children
7.00 Prayer meeting
"The Shepherd & the Sheep"

Ther. MON. Nov. 29, 1886 Wea.

Miss Meeting
Dr Selden - Rev Messrs
Teachers of Savages
Mills of N. &c
The doctrines which produce missions

Ther. TUES. Nov. 30, 1886 Weat.

Howard B. Cox
overcoat. 15
Was sick at
10 P.M.

In Office

Ther. WED. DEC. 1, 1886 Weat.

In Office

Sent Jews 23.00
Letter Bills

Have received
30. letter in
answer to
Adv of Publica
tions

Ther. THURS. DEC. 2, 1886 Weather.

Just real cold day Ther 18°

Went with Helen for Rubber boots to Morelays

Ther. FRI. DEC. 3, 1886 Weather.

Ther 12°
Frost on windows

Nina come 3 P.M.

Ther. SAT. DEC. 4, 1886 Wea.

Here in Office

My nephew
Chauncy O. Bennett
married in
Omaha to
Alice Gertrude Rustin.

Ther. SUN. DEC. 5, 1886 Wea.

At home. Snow
Firm - in Good
Preacher

Ther. Mon. Dec. 6, 1886 Wea.

In Office
Am dull
Snow Storm

Ther. Tues. Dec. 7, 1886 Wea.

Snow Storm

Went to Sullivan
& No A with Helen
Wedding Reception
C. H. Cutler
at A. McGee
Ripley - Nina
went with us -
Saw Profs Hively
Smith, Tucker
Harris Moore
Taylor & Goodliver
Went to Dr Morrill
of B. Andover - In
evening heard
Hely. Stanly
& Clough Talk in
at Fremont Temple
Home at 11-45 -

Stanley on Peace

Mr. Rickalter here
for some
11.00 - 6 cts per
lb

next to North
Brookfield, here
is burial place
of Amasa
Walker.

Ther. SUN. DEC. 12, 1886 Wea.

Sch. Union
Ch.

12 - S.S. do
1 P. Preb S.S. 1st Ch.
Co. Sch.
Union meeting
$6.17
Rev
At J.W. Hinds
He was away
Mr Freeman Walker
Rev. Milder
Thos. Reb
Executing

Ther. MON. DEC. 13, 1886 Wea.

At Mission meeting
Have in Office

Ice Bill
Received
1885. 10.00
1886 10.00

Ther. TUES. DEC. 14, 1886 Wea.

Sermon at Rev
W. H. Wilcox Malden

Room. 2. —

Heard of changes
in advance
Dr. Gilbert goes
back

Mr Butter Coff
for Malden

Ther. WED. DEC. 15, 1886 Wea.

Mr Rilla &
Miss Mamie
Boulter Elected

At home for
dinner

Music

No prayer meeting
as usual -
"Mutual forgiveness"

In Salem

Called on Miss
to talk
about Essay
prize of
Volcanic
which she is hurrying
for P. C. Garrett
of Phila

at Rowley

Preached 10.45 Am
" 2.15 P.M.
" 7.00 " "

Opened S.S. with
Prayer

With Mr Geo Todd
Son Frank Todd

Calls
Rev J. Pike D.D.
Mrs Bradstreet
Sister of Mrs
Hobbs of Wh

Mins Meeting
Behaved on
France –
Mahe peace
on Sunset
Coth on
Bible Reading
Systematic
Boths School
Entertainment
of Evening

Fine fathers day
Heard Dr Webb
Eg Heman Lincoln
Ezekiel Robinson
Cyt. Bancroft Thos
Hon J. G. Blaine in
Music Hall
on Pilgrims.
Helen went with
me

Prof Louis F. Bertrand
Paris.

39, High St
Charlestown
Mass

(Neuilly Seine)
near Paris

Ther. FRI. DEC. 24, 1886 Wea.

Mailed
Angel

Ther. SAT. DEC. 25, 1886 Wea.

At home. visited
Boston & found
Nelson. but he
was away
Xmas.

Ther. SUN. DEC. 26, 1886 Wea.

At Mass
Reorganization of
Warnersville
near Concord
10-30 Sermon
3. P.M. Lecture
7- Eng. Y.M.C.A.

Rev. W. J. Batt
Goodman Taffe
Ass Supt. Scott

Ther. MON. DEC. 27, 1886 Wea.

Min meeting
Have in Office

Ther. TUES. DEC. 28, 1886 Wea.

Work in Advocate
with Nolan
very sick

Ther. WED. DEC. 29, 1886 Wea.

Church come

Ther. THURS. DEC. 30, 1886 Wea.

Jno Rogers
meetings

Frank here

Ther. FRI. DEC. 31, 1886 Wea.

Frank west.
home ~~to~~ Pickman
Nam 7. P.M.

No Boat to Portland

MEMORANDA

MEMORANDA

MEMORANDA

MEMORANDA

CASH ACCOUNT. JANUARY.

Date.		Received.		Paid.	

CASH ACCOUNT. JANUARY.

Date.		Received.		Paid.	

CASH ACCOUNT. FEBRUARY.

Date.		Received.	Paid.

CASH ACCOUNT. FEBRUARY.

Date.		Received.	Paid.

CASH ACCOUNT. MARCH.

Date.		Received.		Paid.	

CASH ACCOUNT. MARCH.

Date.		Received.		Paid.	

CASH ACCOUNT. APRIL.

Date.		Received.	Paid.

CASH ACCOUNT. APRIL.

Date.		Received.	Paid.

CASH ACCOUNT. MAY.

Date.		Received.		Paid.	

CASH ACCOUNT. MAY.

Date.		Received.		Paid.	

CASH ACCOUNT. JUNE.

Date.		Received.	Paid.

CASH ACCOUNT. JUNE.

Date.		Received.	Paid.

CASH ACCOUNT. JULY.

Date.		Received.		Paid.	

CASH ACCOUNT. JULY.

Date.		Received.		Paid.	

CASH ACCOUNT. AUGUST.

Date.		Received.		Paid.

CASH ACCOUNT. AUGUST.

Date.		Received.		Paid.

CASH ACCOUNT. SEPTEMBER.

Date.		Received.	

CASH ACCOUNT. SEPTEMBER.

Date.		Received.	Paid.
	I rent Land		
	400 + 100		
	& 500 of Laura's money		
	Bot Piano		250
			500
	Received of L.	750	
	Interest at 6 per		
	cent from my		
	August 1st		
	Joh Daniels		
	note for		200-
	Oct 1st		
	He gave		
	Laura		
	~~Laura~~ note		
	for 400-		

CASH ACCOUNT. OCTOBER.

Date.		Received.		Paid.	

CASH ACCOUNT. OCTOBER.

Date.		Received.		Paid.	

CASH ACCOUNT. NOVEMBER.

Date.		Received.		Paid.	

CASH ACCOUNT. NOVEMBER.

Date.		Received.		Paid.	

CASH ACCOUNT. DECEMBER.

Date.		Received.	Paid.

CASH ACCOUNT. DECEMBER.

Date.		Received.	Paid.

SUMMARY OF CASH ACCOUNT.

		Received.	Paid.
JAN.			
FEB.			
MAR			
APR.			
MAY			
JUN.			
JUL.			
AUG.			
SEP.			
OCT.			
NOV.			
DEC.			

BILLS PAYABLE. JANUARY.

Date.	NAME.	Dolls.	Cts.

RECEIVABLE.

BILLS PAYABLE. FEBRUARY.

Date.	NAME.	Dolls.	Cts.

RECEIVABLE.

BILLS PAYABLE. MARCH.

NAME.	Dolls.	Cts.

RECEIVABLE.

BILLS PAYABLE. APRIL.

Date.	Name.	Dolls.	Cts.

RECEIVABLE.

BILLS PAYABLE. MAY.

Name.	Dolls.	Cts.

RECEIVABLE.

BILLS PAYABLE. JUNE.

Date.	Name.	Dolls.	Cts.

RECEIVABLE.

BILLS PAYABLE. JULY.

Name.	Dolls.	Cts.

RECEIVABLE.

BILLS PAYABLE. AUGUST.

Date.	Name.	Dolls.	Cts.

RECEIVABLE.

BILLS PAYABLE. SEPTEMBER.

Date.	Name.	Dolls.	Cts.

RECEIVABLE.

BILLS PAYABLE. OCTOBER.

Date.	NAME.	Dolls.	Cts.

RECEIVABLE.

BILLS PAYABLE. NOVEMBER.

Date.	NAME.	Dolls.	Cts.

RECEIVABLE.

BILLS PAYABLE. DECEMBER. MEMORANDA.

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

RECEIVABLE.

MEMORANDA.

Date.		Dolls.	Cts.

ADDRESSES.

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NAME.
STREET, NO.
CITY.

Capt David Patten died at
Bath Me. Monday 2.8 M. 1871 Jan. 23d
Elizabeth L. Patten died in
Brunswick Me. Mon 12 Sunday
6.P.M. 1882. John Gilmore died
Leeds Me 1866

L. B. Howard
No. 1 Somerset St
Boston

Horace H. Medford