

50

R. B. Konard
1. Somerset St
Boston

5

THE
STANDARD

DIARY



PUBLISHED
FOR
THE TRADE

WEIGHTS AND MEASURES.

MEASURE OF LENGTH.

| | |
|---|--|
| 4 . . In. make 1 Hand. 7.92 In. " 1 Link. 18 . . In. " 1 Cubit. 12 . . In. " 1 Foot. 6 . . Ft. " 1 Fathom. 60 Geographical Miles make 1 Degree. 1760 Yards } 5280 Feet } = 1 Mile. | 3 Feet make 1 Yard. 5½ Yds. " 1 Rod or Pole 40 Poles " 1 Furlong. 8 Fur. " 1 Mile. 60 1-6 Miles make 1 Degree. |
|---|--|

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. 27¼ 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.

| | |
|---|--|
| 27¼ Grains make 1 Drachm (dr.) or 27¼ 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.) | |
| 70 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 1-5ths Grain 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 281½ 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, shelled. | Corn Meal. | Onions. | Oats. | Potatoes. | Rye. | Wheat. | Salt. | Turnips. | Beans, wh. | Clover S/d. | 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 | 30 | 60 | 56 | 60 | .. | .. | .. | .. | .. |
| Connecticut | .. | 45 | .. | 56 | .. | .. | .. | 28 | 60 | 56 | .. | .. | .. | .. | .. |
| New York | 48 | 45 | .. | 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 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 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 | 60 | 45 |
| Virginia | 48 | 48 | .. | 50 | 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 | 57 | 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 | 50 | 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 | .. | 56 | .. | .. | 32 | .. | 54 | 60 | .. | .. | .. | .. | .. |
| Oregon | 46 | 42 | .. | 56 | .. | .. | 36 | 60 | 56 | 60 | .. | .. | 60 | .. | .. |

INTEREST TABLE.

FOUR PER CENT.

| TIME. | \$1 | \$2 | \$3 | \$4 | \$5 | \$6 | \$7 | \$8 | \$9 | \$10 | \$100 | \$1000 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|--------|
| 1 Dy. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 |
| 3 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 33 |
| 5 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 56 |
| 1 Mo. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 111 |
| 2 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 222 |
| 3 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 333 |
| 4 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 444 |
| 5 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 555 |
| 6 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 66 | 666 |
| 7 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 | 777 |
| 8 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 | 888 |
| 9 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 99 | 999 |
| 10 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110 | 1100 |
| 11 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 121 | 1210 |
| 1 Yr. | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 | 400 | 4000 |

FIVE PER CENT.

| TIME. | \$1 | \$2 | \$3 | \$4 | \$5 | \$6 | \$7 | \$8 | \$9 | \$10 | \$100 | \$1000 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|--------|
| 1 Dy. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 |
| 3 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 44 |
| 5 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 77 |
| 1 Mo. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 120 |
| 2 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 240 |
| 3 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 360 |
| 4 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 480 |
| 5 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 600 |
| 6 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | 720 |
| 7 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84 | 840 |
| 8 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96 | 960 |
| 9 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 108 | 1080 |
| 10 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120 | 1200 |
| 11 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 132 | 1320 |
| 1 Yr. | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 500 | 5000 |

SIX PER CENT.

| TIME. | \$1 | \$2 | \$3 | \$4 | \$5 | \$6 | \$7 | \$8 | \$9 | \$10 | \$100 | \$1000 |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|--------|
| 1 Dy. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 17 |
| 3 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 50 |
| 5 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 83 |
| 1 Mo. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 167 |
| 2 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 333 |
| 3 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 500 |
| 4 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 666 |
| 5 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85 | 833 |
| 6 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 102 | 1000 |
| 7 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 119 | 1166 |
| 8 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 136 | 1333 |
| 9 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 153 | 1500 |
| 10 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170 | 1666 |
| 11 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 187 | 1833 |
| 1 Yr. | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 600 | 6000 |

RATE OF INCOME ON STOCKS.

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

| Paid. | 3% | 4% | 5% | 6% | 7% | 8% | 9% |
|-------|------|------|-------|-------|-------|-------|-------|
| \$50 | 6 00 | 8 00 | 10 00 | 12 00 | 14 00 | 16 00 | 18 00 |
| 55 | 5 45 | 7 27 | 9 09 | 10 90 | 12 72 | 14 55 | 16 36 |
| 60 | 5 00 | 6 67 | 8 33 | 10 00 | 11 66 | 13 33 | 15 00 |
| 65 | 4 62 | 6 15 | 7 69 | 9 23 | 10 76 | 12 30 | 13 85 |
| 70 | 4 28 | 5 71 | 7 14 | 8 57 | 10 00 | 11 42 | 12 85 |
| 75 | 4 00 | 5 33 | 6 66 | 8 00 | 9 33 | 10 66 | 12 00 |
| 80 | 3 75 | 5 00 | 6 25 | 7 50 | 8 75 | 10 00 | 11 25 |
| 85 | 3 53 | 4 70 | 5 88 | 7 05 | 8 23 | 9 41 | 10 58 |
| 90 | 3 33 | 4 44 | 5 55 | 6 66 | 7 77 | 8 88 | 10 00 |
| 91 | 3 30 | 4 40 | 5 49 | 6 59 | 7 69 | 8 79 | 9 89 |
| 92 | 3 26 | 4 34 | 5 43 | 6 52 | 7 60 | 8 70 | 9 78 |
| 93 | 3 23 | 4 30 | 5 38 | 6 45 | 7 53 | 8 60 | 9 68 |
| 94 | 3 19 | 4 26 | 5 32 | 6 38 | 7 45 | 8 51 | 9 57 |
| 95 | 3 15 | 4 21 | 5 26 | 6 31 | 7 36 | 8 42 | 9 47 |
| 96 | 3 13 | 4 17 | 5 21 | 6 25 | 7 29 | 8 33 | 9 38 |
| 97 | 3 09 | 4 12 | 5 15 | 6 18 | 7 22 | 8 25 | 9 28 |
| 98 | 3 05 | 4 08 | 5 10 | 6 12 | 7 14 | 8 16 | 9 18 |
| 99 | 3 03 | 4 04 | 5 05 | 6 06 | 7 07 | 8 08 | 9 09 |
| 101 | 2 97 | 3 96 | 4 95 | 5 94 | 6 93 | 7 92 | 8 91 |
| 102 | 2 94 | 3 92 | 4 90 | 5 88 | 6 86 | 7 84 | 8 82 |
| 103 | 2 91 | 3 88 | 4 85 | 5 83 | 6 80 | 7 77 | 8 74 |
| 104 | 2 88 | 3 85 | 4 81 | 5 77 | 6 73 | 7 69 | 8 65 |
| 105 | 2 85 | 3 80 | 4 76 | 5 71 | 6 66 | 7 61 | 8 57 |
| 105 | 2 83 | 3 77 | 4 72 | 5 66 | 6 60 | 7 55 | 8 49 |
| 107 | 2 80 | 3 74 | 4 67 | 5 61 | 6 54 | 7 48 | 8 41 |
| 108 | 2 78 | 3 70 | 4 63 | 5 56 | 6 48 | 7 41 | 8 33 |
| 109 | 2 75 | 3 67 | 4 59 | 5 50 | 6 42 | 7 34 | 8 26 |
| 110 | 2 72 | 3 63 | 4 54 | 5 45 | 6 36 | 7 27 | 8 18 |
| 115 | 2 60 | 3 48 | 4 34 | 5 21 | 6 08 | 6 95 | 7 83 |
| 120 | 2 50 | 3 33 | 4 16 | 5 00 | 5 83 | 6 66 | 7 50 |
| 130 | 2 30 | 3 07 | 3 84 | 4 61 | 5 38 | 6 15 | 6 92 |
| 140 | 2 14 | 2 85 | 3 57 | 4 28 | 5 00 | 5 71 | 6 43 |
| 150 | 2 00 | 2 67 | 3 33 | 4 00 | 4 66 | 5 33 | 6 00 |
| 160 | 1 88 | 2 50 | 3 12 | 3 75 | 4 38 | 5 00 | 5 62 |
| 170 | . | . | . | 3 53 | 4 12 | 4 70 | 5 29 |
| 180 | . | . | . | 3 33 | 3 88 | 4 44 | 5 00 |
| 190 | . | . | . | 3 16 | 3 68 | 4 21 | 4 74 |
| 200 | . | . | . | 3 00 | 3 50 | 4 00 | 4 50 |

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 unavailable 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 newspapers; 1 cent per pound.

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

THIRD CLASS.—Printed matter, in *unsealed wrappers only* (all matter inclosed in notched envelopes must pay letter rates), 1 cent for each 2 ounces or fraction thereof, *which must be fully prepaid.* This includes books, circulars, chromos, engravings, handbills, lithographs, music, pamphlets, proof-sheets and manuscript accompanying the same, reproductions by the electric pen, hektograph, metallograph, papyrograph, and, in short, any reproduction upon paper by any process *except handwriting and the copying press.* Limit of weight 4 lbs., except for a single book, which may weigh more.

FOURTH CLASS.—All mailable matter not included in the three preceding classes which is so prepared for mailing as to be *easily withdrawn from the wrapper* and examined, 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

RATES OF POSTAGE.

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 \$5 | 5 cents. |
| Exceeding \$5 and not exceeding \$10 | 8 " |
| " 10 " " " | 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 Times 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. | | Central Standard. | |
|-------------------------|----------|-------------------------|----------|
| 75° Longitude. | | 90° Longitude. | |
| | Minutes. | | Minutes. |
| Bangor, Me. | - 25 | Cleveland, Ohio | - 31 |
| Augusta, Me. | - 21 | Columbus, Ohio | - 28 |
| Portland, Me. | - 19 | Detroit, Mich. | - 28 |
| Boston, Mass. | - 16 | Toledo, Ohio. | - 26 |
| Newport, R. I. | - 15 | Dayton, Ohio. | - 23 |
| Providence, R. I. | - 14 | Cincinnati, Ohio. | - 22 |
| Concord, N. H. | - 14 | Louisville, Ky. | - 18 |
| New London, Conn. | - 11 | Indianapolis, Ind. | - 16 |
| Springfield, Mass. | - 10 | Chicago, Ill. | - 10 |
| Montpelier, Vt. | - 10 | Milwaukee, Wis. | - 8 |
| Hartford, Conn. | - 9 | Springfield, Ill. | - 2 |
| Montreal, Que. | - 6 | Memphis, Tenn. | - 2 |
| Albany, N. Y. | - 5 | New Orleans, La. | 0 |
| New York, N. Y. | - 4 | St. Louis, Mo. | + 1 |
| Utica, N. Y. | + 1 | Rock Island, Ill. | + 3 |
| Philadelphia, Pa. | + 1 | Dubuque, Iowa. | + 3 |
| Syracuse, N. Y. | + 5 | Burlington, Iowa. | + 5 |
| Baltimore, Md. | + 6 | St. Paul, Minn. | + 12 |
| Washington, D. C. | + 8 | Des Moines, Iowa. | + 14 |
| Rochester, N. Y. | + 11 | Kansas City, Mo. | + 13 |
| Buffalo, N. Y. | + 16 | Galveston, Texas. | + 19 |
| Pittsburg, Pa. | + 20 | Omaha, Neb. | + 24 |

| Mountain Standard. | | Pacific Standard. | |
|-------------------------|------|--------------------------|------|
| 105° Longitude. | | 120° Longitude. | |
| Denver, Col. | 0 | Sacramento, Cal. | + 6 |
| Salt Lake City, Utah, + | + 28 | San Francisco, Cal. | + 10 |

POPULATION OF THE UNITED STATES.

CENSUS OF 1880.

| | | | |
|----------------------|-----------|----------------------|------------|
| Alabama | 1,202,705 | Oregon | 774,768 |
| Arkansas | 802,525 | Pennsylvania | 4,282,201 |
| California | 864,034 | Rhode Island | 276,231 |
| Colorado | 104,327 | South Carolina | 605,517 |
| Connecticut | 622,700 | Tennessee | 1,542,259 |
| Delaware | 146,938 | Texas | 1,301,742 |
| Florida | 303,483 | Vermont | 332,286 |
| Georgia | 1,342,140 | Virginia | 1,512,565 |
| Illinois | 3,077,871 | West Virginia | 638,457 |
| Indiana | 1,978,301 | Wisconsin | 1,313,467 |
| Iowa | 1,234,615 | | |
| Kansas | 906,006 | Total States..... | 40,371,240 |
| Kentucky | 1,048,030 | | |
| Louisiana | 828,946 | | |
| Maine | 648,596 | | |
| Maryland | 854,943 | | |
| Massachusetts | 1,785,083 | | |
| Michigan | 1,630,927 | | |
| Minnesota | 780,773 | | |
| Mississippi | 1,181,597 | | |
| Missouri | 2,168,380 | | |
| Nebraska | 432,492 | | |
| Nevada | 62,996 | | |
| New Hampshire | 348,591 | | |
| New Jersey | 1,113,116 | | |
| New York | 4,692,871 | | |
| North Carolina | 1,269,530 | | |
| Ohio | 3,108,062 | | |

Total States.....40,371,240

THE TERRITORIES.

| | |
|----------------------------|---------|
| Alaska | 49,440 |
| Arizona | 155,177 |
| Dakota | 177,224 |
| District of Columbia | 32,610 |
| Idaho | 30,139 |
| Montana | 119,935 |
| New Mexico | 143,930 |
| Utah | 75,116 |
| Washington | 20,780 |
| Wyoming | 78,443 |

Total Territories... 784,443
Total U. States.....40,155,783

POPULATION OF PRINCIPAL CITIES.

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

| Rank. | Rank. |
|-----------------------------|----------------------------|
| 21 Albany, N. Y. | 38 Minneapolis, Minn. |
| 23 Allegheny, Pa. | 40 Nashville, Tenn. |
| 49 Atlanta, Ga. | 15 Newark, N. J. |
| 7 Baltimore, Md. | 26 New Haven, Conn. |
| 5 Boston, Mass. | 30 New Orleans, La. |
| 3 Brooklyn, N. Y. | 1 New York, N. Y. |
| 13 Buffalo, N. Y. | 51 Oakland, Cal. |
| 23 Cambridge, Mass. | 63 Omaha, Neb. |
| 44 Camden, N. J. | 94 Patterson, N. J. |
| 36 Charleston, S. C. | 2 Philadelphia, Pa. |
| 4 Chicago, Ill. | 22 Pittsburg, Pa. |
| 8 Cincinnati, Ohio. | 33 Portland, Me. |
| 11 Cleveland, Ohio. | 23 Providence, R. I. |
| 27 Columbus, Ohio. | 41 Reading, Pa. |
| 47 Dayton, Ohio. | 23 Richmond, Va. |
| 30 Denver, Col. | 22 Rochester, N. Y. |
| 18 Detroit, Mich. | 9 San Francisco, Cal. |
| 27 Fall River, Mass. | 62 Savannah, Ga. |
| 68 Grand Rapids, Mich. | 39 Scranton, Pa. |
| 60 Harrisburg, Pa. | 55 Springfield, Mass. |
| 43 Hartford, Conn. | 57 St. Joseph, Mo. |
| 39 Hoboken, N. J. | 4 St. Louis, Mo. |
| 24 Indianapolis, Ind. | 45 St. Paul, Minn. |
| 17 Jersey City, N. J. | 32 Syracuse, N. Y. |
| 30 Kansas City, Mo. | 33 Toledo, Ohio. |
| 46 Lawrence, Mass. | 46 Trenton, N. J. |
| 16 Louisville, Ky. | 2 Troy, N. Y. |
| 27 Lowell, Mass. | 25 Utica, N. Y. |
| 45 Lynn, Mass. | 14 Washington, D. C. |
| 36 Manchester, N. H. | 61 Wheeling, W. Va. |
| 14 Memphis, Tenn. | 42 Wilmington, Del. |
| 19 Milwaukee, Wis. | 25 Worcester, Mass. |

PRESIDENTS OF THE UNITED STATES.

| No. | NAMES. | BORN. | INAUGURATED. | TERM OF OFFICE. | DIED. | NATIVE OF | RESIDENCE WHEN ELECTED. | POLITICAL PARTY. | |
|-----|---------------------|----------------|----------------|-----------------|----------------|--------------|-------------------------|------------------|--------|
| | | | | | | | | First | Second |
| 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, 1825 | Mass. | Mass. | Federal. | |
| 3 | THOMAS JEFFERSON | April 2, 1743 | " " 4, 1801 | 8 " | July 4, 1826 | Virginia. | Virginia. | Republican. | |
| 4 | JAMES MADISON | Mar. 16, 1751 | " " 4, 1809 | 8 " | June 26, 1837 | " " | " " | " | |
| 5 | JAMES MONROE | April 28, 1759 | " " 4, 1817 | 8 " | July 4, 1831 | Mass. | Tennessee. | " | |
| 6 | JOHN QUINCY ADAMS | July 11, 1767 | " " 4, 1825 | 8 " | Feb. 23, 1848 | S. Carolina. | New York. | Coalition. | |
| 7 | ANDREW JACKSON | Mar. 15, 1767 | " " 4, 1829 | 8 " | July 24, 1862 | New York. | Ohio. | Democrat. | |
| 8 | MARTIN VAN BUREN | Dec. 5, 1782 | " " 4, 1837 | 8 " | April 18, 1841 | Virginia. | Ohio. | Whig. | |
| 9 | WM. H. HARRISON | Mar. 20, 1773 | April 6, 1841 | 1 month. | Jan. 17, 1862 | Ohio. | Ohio. | Whig. | |
| 10 | JAMES K. POLK | Nov. 2, 1795 | Mar. 4, 1845 | 3 yrs. 11 mos. | June 15, 1849 | N. Carolina. | Virginia. | Democrat. | |
| 11 | ZACHARY TAYLOR | Nov. 24, 1784 | " " 4, 1849 | 4 years. | July 9, 1850 | Virginia. | Louisiana. | Democrat. | |
| 12 | MILLARD FILLMORE | Nov. 7, 1800 | " " 4, 1850 | 1 year 4 mos. | Mar. 8, 1874 | New York. | Louisiana. | Whig. | |
| 13 | FRANKLIN PIERCE | Nov. 23, 1804 | July 9, 1853 | 2 years 8 mos. | Oct. 8, 1869 | New York. | New York. | Whig. | |
| 14 | ABRAHAM LINCOLN | Feb. 12, 1809 | " " 4, 1861 | 4 years. | June 1, 1865 | N. Hamp. | N. Hamp. | Democrat. | |
| 15 | ANDREW JOHNSON | Dec. 29, 1808 | April 15, 1865 | 4 yrs. 40 days. | April 15, 1865 | Penn. | Penn. | Democrat. | |
| 16 | UDYSSSES S. GRANT | Oct. 27, 1822 | Mar. 4, 1869 | 8 yrs. 10 mos. | July 21, 1875 | Kentucky. | Kentucky. | Republican. | |
| 17 | RUTHERFORD B. HAYES | Nov. 19, 1811 | " " 4, 1877 | 6 yrs. | Sept. 19, 1881 | Ohio. | Ohio. | " | |
| 18 | JAMES A. GARFIELD | Oct. 19, 1831 | " " 4, 1881 | 4 months. | Sept. 19, 1881 | Ohio. | Ohio. | " | |
| 19 | CHESTER A. ARTHUR | Oct. 5, 1830 | Sept. 20, 1881 | 2 yrs. 5 mos. | Nov. 18, 1886 | Vermont. | New York. | " | |
| 20 | GROVER CLEVELAND | Mar. 18, 1837 | Mar. 4, 1885 | 2 yrs. 5 mos. | Nov. 18, 1896 | New Jersey. | New York. | Democrat. | |

VOTE FOR PRESIDENT—1884.

| STATES. | POPULAR VOTE. | | | | ELECTORAL VOTE. | |
|--------------------|---------------|------------|---------|-----------|-----------------|---------|
| | Blaine. | Cleveland. | Butler. | St. John. | Cleveland. | Blaine. |
| | Alabama..... | 59991 | 93951 | 873 | 612 | 10 |
| Arkansas..... | 30895 | 73227 | 1847 | ..... | 7 | ..... |
| California..... | 102416 | 89288 | 2017 | 2020 | ..... | 8 |
| Colorado..... | 36290 | 27723 | 1958 | 761 | ..... | 3 |
| Connecticut..... | 59223 | 57199 | 1668 | 2305 | 6 | ..... |
| Delaware..... | 12051 | 16684 | 6 | 55 | 3 | ..... |
| Florida..... | 28931 | 31766 | ..... | 72 | 4 | ..... |
| Georgia..... | 48803 | 94667 | 145 | 193 | 12 | ..... |
| Illinois..... | 337474 | 312358 | 10910 | 12074 | ..... | 22 |
| Indiana..... | 238463 | 244990 | 8293 | 3028 | 15 | ..... |
| Iowa..... | 197889 | 177316 | ..... | 1472 | ..... | 13 |
| Kansas..... | 154406 | 99132 | 16341 | 4495 | ..... | 9 |
| Kentucky..... | 118122 | 152961 | 1691 | 3139 | 13 | ..... |
| Louisiana..... | 46347 | 62540 | ..... | 8 | ..... | ..... |
| Maine..... | 72309 | 53140 | 3953 | 2160 | ..... | 6 |
| Maryland..... | 85699 | 96932 | 531 | 2794 | 8 | ..... |
| Massachusetts..... | 145724 | 122481 | 24433 | 10026 | ..... | 14 |
| Michigan..... | 102669 | 149835 | 42243 | 18403 | ..... | 13 |
| Minnesota..... | 111923 | 79144 | 3583 | 4684 | ..... | 7 |
| Mississippi..... | 43599 | 76510 | ..... | ..... | 9 | ..... |
| Missouri..... | 202029 | 235988 | ..... | 2153 | 16 | ..... |
| Nebraska..... | 76912 | 54391 | ..... | 2899 | ..... | 5 |
| Nevada..... | 7193 | 5578 | ..... | 26 | ..... | 3 |
| N. Hampshire..... | 43249 | 39183 | 552 | 1571 | ..... | 4 |
| New Jersey..... | 123440 | 127798 | 3496 | 6159 | 9 | ..... |
| New York..... | 562005 | 563154 | 16994 | 25016 | ..... | 36 |
| N. Carolina..... | 125068 | 142952 | ..... | 454 | 11 | ..... |
| Ohio..... | 400882 | 368280 | 5179 | 71069 | ..... | 23 |
| Oregon..... | 26860 | 24604 | 726 | 492 | ..... | 3 |
| Pennsylvania..... | 473804 | 392785 | 16992 | 15283 | ..... | 30 |
| Rhode Island..... | 10930 | 12391 | 422 | 928 | ..... | 4 |
| S. Carolina..... | 21733 | 66890 | ..... | 9 | ..... | ..... |
| Tennessee..... | 124078 | 132558 | 957 | 1131 | 12 | ..... |
| Texas..... | 93141 | 225309 | 3321 | 3534 | 13 | ..... |
| Vermont..... | 39514 | 17331 | 785 | 1572 | ..... | 4 |
| Virginia..... | 139356 | 145497 | ..... | 138 | 12 | ..... |
| W. Virginia..... | 65066 | 67317 | 810 | 939 | 6 | ..... |
| Wisconsin..... | 161157 | 146459 | 4598 | 7656 | ..... | 11 |
| Total..... | 4851981 | 4874986 | 175170 | 150369 | 219 | 182 |

PRESIDENTIAL VOTES IN PREVIOUS YEARS.

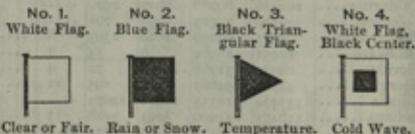
| Year. | POPULAR VOTE. | | | | ELECTORAL. | |
|-------|---------------|-----------|----------|---------|------------|------|
| | Republican. | Democrat. | Green's. | Prohib. | Rep. | Dem. |
| 1880 | 4454416 | 4444952 | 308578 | 10305 | 214 | 155 |
| 1876 | 4033950 | 4281757 | 81737 | 9522 | 185 | 184 |
| *1872 | 3597070 | 2834979 | ..... | 5608 | 286 | 42 |
| †1868 | 3015071 | 2709613 | ..... | ..... | 214 | 71 |

* Democratic vote, exclusive of 20408 for Chas. O'Conner.
 † Mississippi, Texas and Virginia did not vote.

NEW WEATHER SIGNALS.

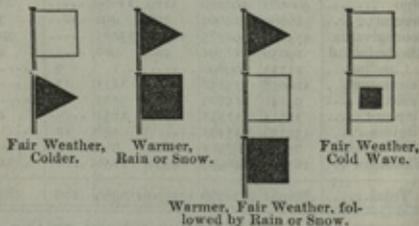
[Adopted for general use by the United States Signal Service on and after March 1, 1887.]

INTERPRETATION OF SIGNALS.



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

DISPLAY EXAMPLES.



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.

INTEREST LAWS OF ALL THE STATES.

| STATES AND TERRITORIES. | PENALTY OF USURY. | Legal. | Special. |
|-------------------------|--------------------------------------|--------|------------|
| Alabama | Loss of interest | 8 | ..... |
| Arizona | No Penalty | 10 | No limit. |
| Arkansas | Forfeiture of principal & interest. | 6 | 10 per ct. |
| California | No penalty | 7 | No limit. |
| Colorado | No penalty | 10 | No limit. |
| Connecticut..... | No penalty | 6 | 6 per ct. |
| Dakota | Forfeiture of contract | 7 | 12 per ct. |
| Delaware | Forfeiture of contract | 6 | 6 per ct. |
| District of Col. | Forfeiture of all interest..... | 6 | 10 per ct. |
| Florida | No penalty | 8 | No limit. |
| Georgia | Forfeiture of excess | 7 | 8 per ct. |
| Idaho | Forfeiture of 3 times excess of int. | 10 | 13 per ct. |
| Illinois | Forfeiture of all interest..... | 6 | 8 per ct. |
| Indiana | Forfeiture of int. over 6 per cent. | 6 | 8 per ct. |
| Iowa | Forfeiture of interest and costs. | 6 | 10 per ct. |
| Kansas | Forfeiture of excess over 12 per ct. | 7 | 12 per ct. |
| Kentucky | Forfeiture of excess | 6 | 6 per ct. |
| Louisiana | Forfeiture of 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 | Forfeiture of contract | 7 | 10 per ct. |
| Mississippi | Forfeiture of all interest..... | 7 | 10 per ct. |
| Missouri | Forfeiture of all interest | 6 | 10 per ct. |
| Montana | No penalty | 10 | No limit. |
| Nebraska | Forfeiture of all interest & costs. | 7 | 10 per ct. |
| Nevada | No penalty | 10 | No limit. |
| New Hampshire | Forfeiture of 3 times excess of int. | 6 | 6 per ct. |
| New Jersey | Forfeiture of all interest..... | 6 | 6 per ct. |
| New Mexico | No penalty | 6 | 12 per ct. |
| New York | Forfeiture of contract.* | 6 | 6 per ct. |
| North Carolina. | Forfeiture of double amt' of int. | 6 | 8 per ct. |
| Ohio | Forfeiture of excess | 6 | 8 per ct. |
| Oregon | Forfeiture of prin. int. & costs. | 8 | 10 per ct. |
| Pennsylvania.. | Forfeiture of excess, Act of 1858. | 6 | 6 per ct. |
| Rhode Island.. | Forfeiture, unless by contract †. | 6 | No limit. |
| South Carolina. | Forfeiture of interest | 7 | 10 per ct. |
| Tennessee | Forfeiture of over 6 per cent..... | 6 | 6 per ct. |
| Texas | Forfeiture of interest..... | 8 | 12 per ct. |
| Utah | No penalty | 10 | No limit. |
| Vermont | Forfeiture of excess | 6 | 7 per ct. |
| Virginia | Forfeiture of excess | 6 | 6 per ct. |
| Washington .. | No penalty | 10 | No limit. |
| West Virginia.. | Forfeiture of excess | 6 | 6 per ct. |
| Wisconsin | Forfeiture of all interest | 7 | 10 per ct. |
| Wyoming | No penalty | 12 | No limit. |

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

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, 1887, in compliance with the above stated provisions of law.

| COUNTRY. | MONETARY UNIT. | STANDARD. | VALUE. |
|-------------------|-----------------------|--------------|------------|
| Argentina Repub. | Peso | Gold & silv. | D. C. M. |
| Austria | Florin | Gold & silv. | 0 66 5 |
| Austria | Florin | Silver | 0 35 9 |
| Austria | Florin | Gold | 0 48 4 |
| Belgium | Franc | Gold & silv. | 0 19 3 |
| Bolivia | Boliviano | Silver | 0 73 7 |
| Brazil | Milreis of 1000 reis. | Gold | 0 54 6 |
| Central America. | Dollar | Gold | 1 0 0 |
| Central America | Dollar | Silver | 0 93 5 |
| Chile | Peso | Gold & silv. | 0 91 2 |
| Cuba | Peso | Gold & silv. | 0 03 2 |
| Denmark | Crown | Gold | 0 26 8 |
| Ecuador | Sucro | Silver | 0 72 7 |
| Egypt | Piaster | Gold | 0 4 9 |
| France | Franc | Gold & silv. | 0 19 3 |
| German Empire. | Mark. | Gold | 0 23 8 |
| Great Britain. | Pound sterling. | Gold | 4 86 6 1/2 |
| Greece | Drachma | Gold & silv. | 0 19 3 |
| Haiti. | Gourde | Gold & silv. | 0 66 5 |
| India | Ruppee of 16 annas. | Silver | 0 34 6 |
| Italy | Lira | Gold & silv. | 0 19 3 |
| Japan | Yen | Gold | 0 99 7 |
| Japan | Yen | Silver | 0 78 4 |
| Liberia | Dollar | Gold | 1 0 0 |
| Mexico | Dollar | Silver | 0 79 0 |
| Netherlands | Florin | Gold & silv. | 0 40 2 |
| Norway | Crown | Gold | 0 26 8 |
| Paraguay | Sol | Silver | 0 72 7 |
| Porto Rico | Peso | Gold | 0 92 5 |
| Portugal | Milreis of 1000 reis. | Silver | 1 0 8 |
| Russia | Rouble, of 100 cop'ks | Gold | 0 58 2 |
| Russia | Rouble, of 100 cop'ks | Gold | 1 0 0 |
| Sandwich Islands | Dollar | Gold & silv. | 0 26 8 |
| Spain | Pseta of 100 centim. | Gold | 0 19 3 |
| Sweden | Crown | Gold & silv. | 0 26 8 |
| Switzerland | Franc | Gold & silv. | 0 19 3 |
| Tripoli | Mahhub of 20piast's | Silver | 0 65 6 |
| Turkey | Piaster | Gold | 0 4 4 |
| U. S. of Colombia | Peso | Silver | 0 72 7 |
| Uruguay | Patacon | Gold | 0 94 8 |
| Venezuela | Bolivar | Gold & silv. | 0 79 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 responsible 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%.
 $50 \times .30 = 15.00$, which divided by 90 = 16½ cents—the required result.

FESTIVALS AND FASTS.

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

CHRONOLOGICAL CYCLES.

| | |
|---|-------|
| Dominical Letters | A. G. |
| Epac | 17 |
| Lunar Cycle, or Golden Number | 8 |
| Solar Cycle | 21 |
| Roman Indiction | 1 |
| Julian Period | 6601 |

ECLIPSES FOR THE YEAR.

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

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

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

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

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

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

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

| | Eastern Standard. | Central Standard. | Mountain Standard. |
|--------------------------------|---------------------|-------------------|---------------------|
| Moon enters Penumbra | P. H. M. 22 9 55 A. | 22 8 55 A. | P. H. M. 22 7 55 A. |
| Moon enters Shadow | 22 10 54 " | 22 9 54 " | 22 8 54 " |
| Total Eclipse begins | 22 11 53 " | 22 10 53 " | 22 9 53 " |
| Middle of Eclipse | 23 0 45 M. | 22 11 45 " | 22 10 45 " |
| Total Eclipse ends | 23 1 36 " | 23 0 36 M. | 22 11 36 " |
| Moon leaves Shadow | 23 2 35 " | 23 1 35 " | 23 0 35 M. |
| Moon leaves Penumbra | 23 3 34 " | 23 2 34 " | 23 1 34 " |

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

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

MORNING AND EVENING STARS.

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

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

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

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. | Feet. | Mean range. |
|--|------|------|-------|-------------|
| Eastport, Me., (Intercolonial Time) ... | add | 3 33 | 18.3 | |
| EASTERN STANDARD. | | | | |
| Bar Harbor, Me. | " | 2 27 | 10.4 | |
| Portland, Me. | " | 2 55 | 10.1 | |
| Portsmouth, N. H. | " | 3 3 | 8.6 | |
| Isles of Shoals, N. H. | " | 2 57 | 8.7 | |
| Newburyport, Mass. | " | 2 57 | 7.5 | |
| Gloster, Mass. | " | 3 17 | 8.9 | |
| Salem, Mass. | " | 2 44 | 8.9 | |
| Nahant, Mass. | " | 2 54 | 9.2 | |
| 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 (Dumping 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 5 | 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 | 3.9 | |



| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---------------------------------------|----------------------------------|-----------------------------------|
| LAST QUARTER ... | 6d. 6h. 42m. M. | 6d. 5h. 42m. M. |
| NEW MOON..... | 13d. 3h. 38m. M. | 13d. 2h. 38m. M. |
| FIRST QUARTER.. | 20d. 11h. 49m. A. | 20d. 10h. 49m. A. |
| FULL MOON..... | 28d. 6h. 19m. A. | 28d. 5h. 19m. A. |

| BOSTON & CHICAGO. | | BOST. TIDE. | N. YORK & PHILA. | | N. Y. TIDE. | | | |
|-------------------|------------|------------------|------------------|----------------|-------------|------------------|------------|----------------|
| D. of M. | Day of Wk. | Local Mean Time. | | Standard Time. | D. of M. | Local Mean Time. | | Standard Time. |
| | | SUN R.&S. | MOON R.&S. | | | SUN R.&S. | MOON R.&S. | |
| 1 | S | 77 30 | 7 14 | 0 26 | 1 | 77 25 | 7 18 | 9 47 |
| 2 | MO. | 74 39 | 8 21 | 1 12 | 2 | 74 44 | 8 24 | 10 32 |
| 3 | TU. | 77 30 | 9 30 | 1 59 | 3 | 77 25 | 9 32 | 11 17 |
| 4 | WE. | 74 41 | 10 40 | 2 47 | 4 | 74 40 | 10 41 | .... |
| 5 | TH. | 77 30 | 11 50 | 3 36 | 5 | 77 25 | 11 50 | 0 35 |
| 6 | FR. | 74 43 | morn | 4 30 | 6 | 74 48 | morn | 1 28 |
| 7 | SA. | 77 30 | 1 0 | 5 30 | 7 | 77 25 | 0 59 | 2 39 |
| 8 | S | 74 45 | 2 11 | 6 33 | 8 | 74 50 | 2 9 | 3 32 |
| 9 | MO. | 77 29 | 3 22 | 7 37 | 9 | 77 24 | 3 19 | 4 33 |
| 10 | TU. | 74 47 | 4 32 | 8 38 | 10 | 74 52 | 4 28 | 5 30 |
| 11 | WE. | 77 29 | 5 39 | 9 38 | 11 | 77 24 | 5 34 | 6 36 |
| 12 | TH. | 74 49 | 6 39 | 10 33 | 12 | 74 54 | 6 34 | 7 29 |
| 13 | FR. | 77 28 | sets. | 11 22 | 13 | 77 23 | sets. | 8 17 |
| 14 | SA. | 74 51 | 6 26 | .... | 14 | 74 56 | 6 30 | 9 6 |
| 15 | S | 77 27 | 7 29 | 0 30 | 15 | 77 23 | 7 32 | 9 51 |
| 16 | MO. | 74 54 | 8 31 | 1 15 | 16 | 74 58 | 8 33 | 10 32 |
| 17 | TU. | 77 26 | 9 32 | 1 57 | 17 | 77 22 | 9 33 | 11 32 |
| 18 | WE. | 74 56 | 10 32 | 2 38 | 18 | 74 55 | 10 32 | 11 54 |
| 19 | TH. | 77 25 | 11 30 | 3 18 | 19 | 77 21 | 11 29 | 0 16 |
| 20 | FR. | 74 59 | morn | 4 1 | 20 | 74 55 | morn | 1 0 |
| 21 | SA. | 77 24 | 0 27 | 4 47 | 21 | 77 20 | 0 26 | 1 46 |
| 22 | S | 75 1 | 1 25 | 5 38 | 22 | 75 5 | 1 23 | 2 6 |
| 23 | MO. | 77 23 | 2 24 | 6 31 | 23 | 77 18 | 2 23 | 3 29 |
| 24 | TU. | 75 3 | 3 23 | 7 27 | 24 | 75 8 | 3 19 | 4 23 |
| 25 | WE. | 77 21 | 4 21 | 8 22 | 25 | 77 17 | 4 17 | 5 18 |
| 26 | TH. | 75 6 | 5 18 | 9 16 | 26 | 75 10 | 5 13 | 6 14 |
| 27 | FR. | 77 20 | 6 12 | 10 9 | 27 | 77 15 | 6 7 | 7 6 |
| 28 | SA. | 75 8 | rises. | 10 59 | 28 | 75 12 | rises. | 7 53 |
| 29 | S | 77 18 | 6 8 | 11 45 | 29 | 77 14 | 6 11 | 8 41 |
| 30 | MO. | 75 11 | 7 18 | 0 8 | 30 | 75 15 | 7 20 | 9 20 |
| 31 | TU. | 77 16 | 8 29 | 0 54 | 31 | 77 12 | 8 30 | 10 14 |



| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---------------------------------------|----------------------------------|-----------------------------------|
| LAST QUARTER... | 4d. 2h. 26m. A. | 4d. 1h. 26m. A. |
| NEW MOON..... | 11d. 6h. 52m. A. | 11d. 5h. 52m. A. |
| FIRST QUARTER.. | 19d. 8h. 59m. A. | 19d. 7h. 59m. A. |
| FULL MOON..... | 27d. 6h. 57m. M. | 27d. 5h. 57m. M. |

| BOSTON & CHICAGO. | | | | | N. YORK & PHILA. | | | | | N. Y. | | | |
|-------------------|-------------|------------------|------------|-----------------|------------------|------------------|------------|-----------------|-------|----------|------------------|------------|-----------------|
| D. of M. | Day of W'k. | Local Mean Time. | | Stand-ard Time. | D. of M. | Local Mean Time. | | Stand-ard Time. | TIDE. | D. of M. | Local Mean Time. | | Stand-ard Time. |
| | | SUN R.&S. | MOON R.&S. | | | SUN R.&S. | MOON R.&S. | | | | SUN R.&S. | MOON R.&S. | |
| 1 | WE. | 7 15 | 9 40 | 1 40 | 1 | 7 11 | 9 40 | 10 57 | | 1 | 7 34 | 9 48 | 10 37 |
| 2 | TH. | 5 15 | 10 51 | 2 26 | 2 | 5 18 | 10 50 | 11 47 | | 2 | 5 53 | 11 0 | 11 25 |
| 3 | FR. | 7 13 | morn | 3 15 | 3 | 7 9 | 11 59 | 0 13 | | 3 | 7 31 | morn | 0 10 |
| 4 | SA. | 5 18 | 0 1 4 | 7 | 4 | 5 21 | morn | 1 6 | | 4 | 5 54 | 0 14 | 3 49 |
| 5 | S | 7 10 | 1 11 | 5 7 | 5 | 7 7 | 1 8 | 2 6 | | 5 | 7 28 | 1 22 | 4 50 |
| 6 | Mo. | 5 20 | 2 21 | 6 13 | 6 | 5 23 | 2 17 | 3 10 | | 6 | 5 57 | 2 25 | 5 57 |
| 7 | TU. | 7 8 | 3 28 | 7 19 | 7 | 7 5 | 3 24 | 4 16 | | 7 | 7 25 | 3 21 | 7 4 |
| 8 | WE. | 5 23 | 4 29 | 8 24 | 8 | 5 26 | 4 24 | 5 21 | | 8 | 5 59 | 4 10 | 8 8 |
| 9 | TH. | 7 6 | 5 24 | 9 23 | 9 | 7 2 | 5 19 | 6 20 | | 9 | 7 22 | 4 53 | 9 5 |
| 10 | FR. | 5 25 | 6 13 | 10 16 | 10 | 5 28 | 6 9 | 7 13 | | 10 | 5 30 | 9 54 | 10 39 |
| 11 | SA. | 7 3 | sets. | 11 4 | 11 | 7 0 | sets. | 7 58 | | 11 | 7 18 | 6 3 | 10 39 |
| 12 | S | 5 28 | 6 17 | 11 45 | 12 | 5 31 | 6 20 | 8 41 | | 12 | 5 18 | 6 3 | 11 18 |
| 13 | Mo. | 7 0 | 7 18 | 0 5 | 13 | 7 58 | 7 20 | 9 23 | | 13 | 7 15 | 7 7 | 11 54 |
| 14 | TU. | 5 31 | 8 18 | 0 45 | 14 | 5 33 | 8 19 | 10 2 | | 14 | 5 6 | 8 7 | 12 14 |
| 15 | WE. | 7 58 | 9 17 | 1 23 | 15 | 7 55 | 9 17 | 10 37 | | 15 | 7 12 | 9 5 | 13 09 |
| 16 | TH. | 5 33 | 10 15 | 2 1 | 16 | 5 30 | 10 14 | 11 14 | | 16 | 5 8 | 10 2 | 1 26 |
| 17 | FR. | 7 55 | 11 13 | 2 38 | 17 | 7 53 | 11 11 | 11 55 | | 17 | 5 8 | 11 0 | 2 3 |
| 18 | SA. | 5 36 | morn | 3 18 | 18 | 5 38 | morn | 0 16 | | 18 | 5 10 | 11 58 | 2 43 |
| 19 | S | 7 52 | 0 11 | 4 3 | 19 | 7 50 | 0 8 | 1 2 | | 19 | 5 5 | morn | 3 26 |
| 20 | Mo. | 5 38 | 1 10 | 4 52 | 20 | 5 40 | 1 6 | 1 51 | | 20 | 5 13 | 0 54 | 4 16 |
| 21 | TU. | 7 49 | 2 8 | 5 49 | 21 | 7 47 | 2 4 | 2 47 | | 21 | 5 1 | 1 48 | 5 13 |
| 22 | WE. | 5 41 | 3 5 | 6 48 | 22 | 5 43 | 3 0 | 3 45 | | 22 | 5 15 | 2 39 | 6 14 |
| 23 | TH. | 7 46 | 3 59 | 7 49 | 23 | 7 44 | 3 54 | 4 45 | | 23 | 5 58 | 3 27 | 7 18 |
| 24 | FR. | 5 43 | 4 50 | 8 49 | 24 | 5 45 | 4 45 | 5 46 | | 24 | 5 17 | 4 10 | 8 21 |
| 25 | SA. | 7 43 | 5 37 | 9 45 | 25 | 7 41 | 5 33 | 6 43 | | 25 | 5 54 | 4 49 | 9 19 |
| 26 | S | 5 46 | 6 18 | 10 37 | 26 | 5 48 | 6 15 | 7 33 | | 26 | 5 19 | 5 25 | 10 12 |
| 27 | Mo. | 7 40 | rises. | 11 24 | 27 | 7 38 | rises. | 8 18 | | 27 | 5 51 | rises. | 11 1 |
| 28 | TU. | 5 48 | 7 22 | ..... | 28 | 5 50 | 7 23 | 9 7 | | 28 | 5 22 | 7 28 | 11 45 |
| 29 | WE. | 7 37 | 8 36 | 0 32 | 29 | 7 35 | 8 36 | 9 53 | | 29 | 5 47 | 8 43 | 0 8 |
| 30 | TH. | ..... | ..... | ..... | 30 | ..... | ..... | ..... |  | 30 | 5 24 | 9 58 | 0 56 |
| 31 | FR. | ..... | ..... | ..... | 31 | ..... | ..... | ..... |  | 31 | 5 44 | 11 11 | 1 45 |



| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---------------------------------------|----------------------------------|-----------------------------------|
| LAST QUARTER... | 4d. 10h. 26m. A. | 4d. 9h. 26m. A. |
| NEW MOON..... | 12d. 11h. 21m. M. | 12d. 10h. 21m. M. |
| FIRST QUARTER.. | 20d. 3h. 43m. A. | 20d. 2h. 43m. A. |
| FULL MOON..... | 27d. 5h. 7m. A. | 27d. 4h. 7m. A. |

| BOSTON & CHICAGO. | | | | | N. YORK & PHILA. | | | | | N. Y. | | | |
|-------------------|-------------|------------------|------------|-----------------|------------------|------------------|------------|-----------------|-------|----------|------------------|------------|-----------------|
| D. of M. | Day of W'k. | Local Mean Time. | | Stand-ard Time. | D. of M. | Local Mean Time. | | Stand-ard Time. | TIDE. | D. of M. | Local Mean Time. | | Stand-ard Time. |
| | | SUN R.&S. | MOON R.&S. | | | SUN R.&S. | MOON R.&S. | | | | SUN R.&S. | MOON R.&S. | |
| 1 | TH. | 7 35 | 9 50 | 1 18 | 1 | 7 34 | 9 48 | 10 37 | | 1 | 7 34 | 9 48 | 10 37 |
| 2 | FR. | 5 52 | 11 3 | 2 6 | 2 | 5 53 | 11 0 | 11 25 | | 2 | 5 53 | 11 0 | 11 25 |
| 3 | SA. | 7 32 | morn | 2 55 | 3 | 7 31 | morn | 0 10 | | 3 | 7 31 | morn | 0 10 |
| 4 | S | 5 54 | 0 14 | 3 49 | 4 | 5 55 | 0 14 | 0 48 | | 4 | 5 55 | 0 14 | 0 48 |
| 5 | Mo. | 7 28 | 1 22 | 4 50 | 5 | 7 28 | 1 18 | 1 49 | | 5 | 7 28 | 1 18 | 1 49 |
| 6 | TU. | 5 57 | 2 25 | 5 57 | 6 | 5 57 | 2 20 | 2 55 | | 6 | 5 57 | 2 20 | 2 55 |
| 7 | WE. | 7 25 | 3 21 | 7 4 | 7 | 7 24 | 3 16 | 4 2 | | 7 | 7 24 | 3 16 | 4 2 |
| 8 | TH. | 5 59 | 4 10 | 8 8 | 8 | 5 59 | 4 6 | 5 5 | | 8 | 5 59 | 4 6 | 5 5 |
| 9 | FR. | 7 22 | 4 53 | 9 5 | 9 | 7 22 | 4 49 | 6 3 | | 9 | 7 22 | 4 49 | 6 3 |
| 10 | SA. | 5 6 | 1 5 | 10 39 | 10 | 5 6 | 1 5 | 2 6 | | 10 | 5 6 | 1 5 | 2 6 |
| 11 | S | 7 18 | 6 3 | 11 39 | 11 | 7 18 | 6 1 | 7 34 | | 11 | 7 18 | 6 1 | 7 34 |
| 12 | Mo. | 5 6 | sets. | 11 18 | 12 | 5 6 | sets. | 8 13 | | 12 | 5 6 | sets. | 8 13 |
| 13 | TU. | 7 15 | 7 7 | 11 54 | 13 | 7 15 | 7 7 | 8 52 | | 13 | 7 15 | 7 7 | 8 52 |
| 14 | WE. | 5 6 | 8 7 | 0 12 | 14 | 5 6 | 8 6 | 9 29 | | 14 | 5 6 | 8 6 | 9 29 |
| 15 | TH. | 7 12 | 9 5 | 0 49 | 15 | 7 11 | 9 3 | 10 5 | | 15 | 7 11 | 9 3 | 10 5 |
| 16 | FR. | 5 8 | 10 2 | 1 26 | 16 | 5 8 | 9 59 | 10 39 | | 16 | 5 8 | 9 59 | 10 39 |
| 17 | SA. | 7 8 | 11 0 | 2 3 | 17 | 7 8 | 10 57 | 11 17 | | 17 | 7 8 | 10 57 | 11 17 |
| 18 | S | 5 6 | 10 11 | 58 | 18 | 5 6 | 10 11 | 54 | | 18 | 5 6 | 10 11 | 54 |
| 19 | Mo. | 7 5 | morn | 3 26 | 19 | 7 5 | morn | 0 24 | | 19 | 7 5 | morn | 0 24 |
| 20 | TU. | 5 13 | 0 54 | 4 16 | 20 | 5 13 | 0 49 | 1 15 | | 20 | 5 13 | 0 49 | 1 15 |
| 21 | WE. | 7 1 | 1 48 | 5 13 | 21 | 7 1 | 1 43 | 2 11 | | 21 | 7 1 | 1 43 | 2 11 |
| 22 | TH. | 5 15 | 2 39 | 6 14 | 22 | 5 15 | 2 34 | 3 12 | | 22 | 5 15 | 2 39 | 6 14 |
| 23 | FR. | 5 58 | 3 27 | 7 18 | 23 | 5 58 | 3 23 | 4 15 | | 23 | 5 58 | 3 23 | 4 15 |
| 24 | SA. | 7 17 | 4 10 | 8 21 | 24 | 7 17 | 4 6 | 5 17 | | 24 | 7 17 | 4 10 | 8 21 |
| 25 | S | 5 54 | 4 49 | 9 19 | 25 | 5 55 | 4 46 | 6 17 | | 25 | 5 54 | 4 49 | 9 19 |
| 26 | Mo. | 5 19 | 5 25 | 10 12 | 26 | 5 19 | 5 23 | 7 9 | | 26 | 5 19 | 5 25 | 10 12 |
| 27 | TU. | 5 51 | rises. | 11 1 | 27 | 5 51 | rises. | 7 54 | | 27 | 5 51 | rises. | 7 54 |
| 28 | WE. | 5 22 | 7 28 | 11 45 | 28 | 5 22 | 7 27 | 8 42 | | 28 | 5 22 | 7 28 | 11 45 |
| 29 | TH. | 5 47 | 8 43 | 0 8 | 29 | 5 48 | 8 41 | 9 30 | | 29 | 5 47 | 8 43 | 0 8 |
| 30 | FR. | 5 24 | 9 58 | 0 56 | 30 | 5 24 | 9 55 | 10 17 | | 30 | 5 24 | 9 58 | 0 56 |
| 31 | SA. | 5 44 | 11 11 | 1 45 | 31 | 5 45 | 11 7 | 11 5 | | 31 | 5 45 | 11 7 | 11 5 |



| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---------------------------------------|----------------------------------|-----------------------------------|
| LAST QUARTER... | 3d. 7h. 41m. M. | 3d. 6h. 41m. M. |
| NEW MOON..... | 11d. 4h. 8m. M. | 11d. 3h. 8m. M. |
| FIRST QUARTER... | 19d. 6h. 52m. M. | 19d. 5h. 52m. M. |
| FULL MOON..... | 26d. 1h. 22m. M. | 26d. 0h. 22m. M. |

| BOSTON & CHICAGO. | | | | BOST. | | N. YORK & PHILA. | | N. Y. | |
|-------------------|------------|------------------|------------|-----------------|----------|------------------|------------|-----------------|----------|
| D. of M. | Day of Wk. | Local Mean Time. | | Stand-ard Time. | D. of M. | Local Mean Time. | | Stand-ard Time. | D. of M. |
| | | SUN R.&S. | MOON R.&S. | | | SUN R.&S. | MOON R.&S. |  |  | SUN R.&S. | MOON R.&S. |
| 1 | M | 75 42 | morn | 2 38 | 1 75 43 | morn | ..... | ..... | ..... |
| 2 | MO. | 76 27 | 0 18 | 3 33 | 2 76 26 | 0 13 | 0 32 | ..... | ..... |
| 3 | TU. | 75 39 | 1 18 | 4 35 | 3 75 40 | 1 13 | 1 34 | ..... | ..... |
| 4 | WE. | 76 30 | 2 10 | 5 41 | 4 76 28 | 2 5 | 2 39 | ..... | ..... |
| 5 | TH. | 75 35 | 2 54 | 6 35 | 5 75 36 | 2 50 | 3 43 | ..... | ..... |
| 6 | FR. | 76 32 | 3 32 | 7 46 | 6 76 30 | 3 29 | 4 42 | ..... | ..... |
| 7 | SA. | 75 32 | 4 6 | 8 39 | 7 75 33 | 4 3 | 5 36 | ..... | ..... |
| 8 | S | 76 34 | 4 36 | 9 26 | 8 76 32 | 4 34 | 6 24 | ..... | ..... |
| 9 | MO. | 75 28 | 5 3 | 10 9 | 9 75 30 | 5 2 | 7 6 | ..... | ..... |
| 10 | TU. | 76 36 | 5 30 | 10 48 | 10 76 34 | 5 30 | 7 42 | ..... | ..... |
| 11 | WE. | 75 25 | sets. | 11 23 | 11 75 27 | sets. | 8 18 | ..... | ..... |
| 12 | TH. | 76 38 | 7 55 | 11 59 | 12 76 37 | 7 53 | 8 56 | ..... | ..... |
| 13 | FR. | 75 22 | 8 53 | 0 17 | 13 75 28 | 8 50 | 9 33 | ..... | ..... |
| 14 | SA. | 76 41 | 9 51 | 0 53 | 14 76 39 | 9 47 | 10 9 | ..... | ..... |
| 15 | MO. | 75 19 | 10 48 | 1 33 | 15 75 21 | 10 44 | 10 48 | ..... | ..... |
| 16 | MO. | 76 43 | 11 43 | 2 14 | 16 76 41 | 11 38 | 11 31 | ..... | ..... |
| 17 | TU. | 75 15 | morn | 2 59 | 17 75 18 | morn | ..... | ..... | ..... |
| 18 | WE. | 76 45 | 0 34 | 3 47 | 18 76 43 | 0 29 | 0 46 | ..... | ..... |
| 19 | TH. | 75 12 | 1 22 | 4 44 | 19 75 15 | 1 17 | 1 43 | ..... | ..... |
| 20 | FR. | 76 47 | 2 6 | 5 46 | 20 76 45 | 2 2 | 2 44 | ..... | ..... |
| 21 | SA. | 75 9 | 2 45 | 6 50 | 21 75 12 | 2 42 | 3 47 | ..... | ..... |
| 22 | M | 76 50 | 3 21 | 7 51 | 22 76 47 | 3 19 | 4 47 | ..... | ..... |
| 23 | MO. | 75 6 | 3 55 | 8 50 | 23 75 9 | 3 54 | 5 47 | ..... | ..... |
| 24 | TU. | 76 52 | 4 28 | 9 45 | 24 76 49 | 4 28 | 6 43 | ..... | ..... |
| 25 | WE. | 75 3 | 5 1 | 10 36 | 25 75 6 | 5 2 | 7 32 | ..... | ..... |
| 26 | TH. | 76 54 | rises. | 11 24 | 26 76 51 | rises. | 8 18 | ..... | ..... |
| 27 | FR. | 75 0 | 8 48 | ..... | 27 75 3 | 8 44 | 9 10 | ..... | ..... |
| 28 | SA. | 76 56 | 10 1 | 0 37 | 28 76 53 | 9 57 | 10 1 | ..... | ..... |
| 29 | S | 74 58 | 11 7 | 1 29 | 29 75 1 | 11 2 | 10 50 | ..... | ..... |
| 30 | MO. | 76 59 | morn | 2 22 | 30 76 55 | morn | 11 46 | ..... | ..... |
| 31 | MO. | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |



| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---------------------------------------|----------------------------------|-----------------------------------|
| LAST QUARTER... | 2d. 6h. 47m. A. | 2d. 5h. 47m. A. |
| NEW MOON..... | 10d. 8h. 23m. A. | 10d. 7h. 23m. A. |
| FIRST QUARTER... | 18d. 6h. 5m. A. | 18d. 5h. 5m. A. |
| FULL MOON..... | 25d. 8h. 40m. M. | 25d. 7h. 40m. M. |

| BOSTON & CHICAGO. | | | | BOST. | | N. YORK & PHILA. | | N. Y. | |
|-------------------|------------|------------------|------------|-----------------|----------|------------------|------------|-----------------|----------|
| D. of M. | Day of Wk. | Local Mean Time. | | Stand-ard Time. | D. of M. | Local Mean Time. | | Stand-ard Time. | D. of M. |
| | | SUN R.&S. | MOON R.&S. | | | SUN R.&S. | MOON R.&S. | | |
| 1 | TU. | 74 55 | 0 5 | 3 17 | 1 74 58 | 0 0 | 0 15 | ..... | ..... |
| 2 | WE. | 75 1 | 0 54 | 4 16 | 2 76 57 | 0 50 | 1 15 | ..... | ..... |
| 3 | TH. | 74 52 | 1 35 | 5 17 | 3 74 56 | 1 31 | 2 15 | ..... | ..... |
| 4 | FR. | 75 3 | 2 10 | 6 17 | 4 76 59 | 2 7 | 3 14 | ..... | ..... |
| 5 | SA. | 74 49 | 2 40 | 7 13 | 5 74 53 | 2 38 | 4 10 | ..... | ..... |
| 6 | S | 75 5 | 3 8 | 8 4 | 6 77 2 | 3 5 | 5 2 | ..... | ..... |
| 7 | MO. | 74 47 | 3 35 | 8 51 | 7 74 51 | 3 35 | 5 48 | ..... | ..... |
| 8 | TU. | 75 7 | 4 1 | 9 33 | 8 77 4 | 4 2 | 6 31 | ..... | ..... |
| 9 | WE. | 74 45 | 4 27 | 10 15 | 9 74 49 | 4 29 | 7 11 | ..... | ..... |
| 10 | TH. | 75 9 | 4 53 | 10 53 | 10 77 6 | 4 55 | 7 47 | ..... | ..... |
| 11 | FR. | 74 42 | sets. | 11 29 | 11 74 46 | sets. | 8 24 | ..... | ..... |
| 12 | SA. | 75 12 | 8 43 | ..... | 12 77 8 | 8 39 | 9 5 | ..... | ..... |
| 13 | S | 74 40 | 9 39 | 0 27 | 13 74 44 | 9 34 | 9 46 | ..... | ..... |
| 14 | MO. | 75 14 | 10 31 | 1 9 | 14 77 9 | 10 26 | 10 26 | ..... | ..... |
| 15 | TU. | 74 38 | 11 20 | 1 52 | 15 74 42 | 11 15 | 11 9 | ..... | ..... |
| 16 | WE. | 75 16 | morn | 2 38 | 16 77 11 | morn | 11 58 | ..... | ..... |
| 17 | TH. | 74 36 | 0 4 | 3 26 | 17 74 41 | 0 0 | 0 24 | ..... | ..... |
| 18 | FR. | 75 18 | 0 44 | 4 20 | 18 77 13 | 0 40 | 1 19 | ..... | ..... |
| 19 | SA. | 74 34 | 1 20 | 5 19 | 19 74 39 | 1 17 | 2 17 | ..... | ..... |
| 20 | S | 75 20 | 1 53 | 6 20 | 20 77 15 | 1 51 | 3 18 | ..... | ..... |
| 21 | MO. | 74 32 | 2 25 | 7 22 | 21 74 37 | 2 24 | 4 10 | ..... | ..... |
| 22 | TU. | 75 22 | 2 58 | 8 21 | 22 77 17 | 2 58 | 5 17 | ..... | ..... |
| 23 | WE. | 74 31 | 3 30 | 9 17 | 23 74 36 | 3 32 | 6 15 | ..... | ..... |
| 24 | TH. | 75 24 | 4 7 | 10 13 | 24 77 18 | 4 10 | 7 10 | ..... | ..... |
| 25 | FR. | 74 29 | rises. | 11 5 | 25 74 34 | rises. | 7 58 | ..... | ..... |
| 26 | SA. | 75 25 | 8 48 | 11 54 | 26 77 20 | 8 43 | 8 53 | ..... | ..... |
| 27 | S | 74 28 | 9 52 | 0 21 | 27 74 33 | 9 47 | 9 46 | ..... | ..... |
| 28 | MO. | 75 27 | 10 46 | 1 14 | 28 77 22 | 10 41 | 10 35 | ..... | ..... |
| 29 | TU. | 74 27 | 11 32 | 2 6 | 29 74 32 | 11 28 | 11 27 | ..... | ..... |
| 30 | WE. | 75 29 | morn | 2 58 | 30 77 23 | morn | ..... | ..... | ..... |
| 31 | TH. | 74 26 | 0 10 | 3 50 | 31 74 31 | 0 7 | 0 49 | ..... | ..... |



| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---------------------------------------|----------------------------------|-----------------------------------|
| LAST QUARTER... | 1d. 7h. 53m. M. | 1d. 6h. 53m. M. |
| NEW MOON..... | 9d. 11h. 34m. M. | 9d. 10h. 34m. M. |
| FIRST QUARTER.. | 17d. 1h. 50m. M. | 17d. 0h. 50m. M. |
| FULL MOON..... | 23d. 4h. 7m. A. | 23d. 3h. 7m. A. |
| LAST QUARTER... | 30d. 10h. 52m. A. | 30d. 9h. 52m. A. |

| BOSTON & CHICAGO. | | | | POST. | | N. YORK & PHILA. | | | N. Y. | |
|-------------------|-------------|------------------|------------|-----------------|-------|------------------|------------------|------------|-----------------|-------|
| D. of M. | Day of W'k. | Local Mean Time. | | Stand-ard Time. | TIDE. | D. of M. | Local Mean Time. | | Stand-ard Time. | TIDE. |
| | | SUN R.&S. | MOON R.&S. | | | | SUN R.&S. | MOON R.&S. | | |
| 1 | Fr. | 74 25 | 0 43 | 4 44 | 1 | 74 31 | 0 40 | 1 43 | | |
| 2 | Sa. | 77 31 | 1 12 | 5 38 | 2 | 77 26 | 1 10 | 2 36 | | |
| 3 | So. | 74 25 | 1 39 | 6 31 | 3 | 74 30 | 1 38 | 3 28 | | |
| 4 | Mo. | 77 32 | 2 5 | 7 22 | 4 | 77 27 | 2 5 | 4 19 | | |
| 5 | Tu. | 77 24 | 2 30 | 8 10 | 5 | 74 29 | 2 31 | 5 7 | | |
| 6 | We. | 74 23 | 2 56 | 8 55 | 6 | 77 28 | 2 58 | 5 53 | | |
| 7 | Th. | 74 23 | 3 25 | 9 39 | 7 | 74 29 | 3 28 | 6 37 | | |
| 8 | Fr. | 77 35 | 3 57 | 10 22 | 8 | 77 29 | 4 1 | 7 18 | | |
| 9 | Sa. | 74 23 | sets. | 11 3 | 9 | 74 28 | sets. | 7 57 | | |
| 10 | So. | 77 36 | 8 28 | 11 44 | 10 | 77 30 | 8 23 | 8 40 | | |
| 11 | Mo. | 74 22 | 9 18 | 0 5 | 11 | 74 28 | 9 13 | 9 25 | | |
| 12 | Tu. | 77 37 | 10 5 | 0 49 | 12 | 77 31 | 10 0 | 10 7 | | |
| 13 | We. | 74 22 | 10 47 | 1 33 | 13 | 74 28 | 10 43 | 10 50 | | |
| 14 | Th. | 77 38 | 11 23 | 2 19 | 14 | 77 32 | 11 20 | 11 38 | | |
| 15 | Fr. | 74 22 | 11 56 | 3 6 | 15 | 74 28 | 11 54 | 0 3 | | |
| 16 | Sa. | 77 38 | morn | 3 55 | 16 | 77 33 | morn | 0 54 | | |
| 17 | So. | 74 22 | 0 28 | 4 50 | 17 | 74 28 | 0 27 | 1 48 | | |
| 18 | Mo. | 77 39 | 0 59 | 5 50 | 18 | 77 34 | 0 59 | 2 48 | | |
| 19 | Tu. | 74 23 | 1 30 | 6 52 | 19 | 74 28 | 1 31 | 3 49 | | |
| 20 | We. | 77 40 | 2 3 | 7 55 | 20 | 77 34 | 2 5 | 4 51 | | |
| 21 | Th. | 74 23 | 2 40 | 8 55 | 21 | 74 29 | 2 43 | 5 52 | | |
| 22 | Fr. | 77 40 | 3 23 | 9 53 | 22 | 77 35 | 3 27 | 6 51 | | |
| 23 | Sa. | 74 24 | rises. | 10 49 | 23 | 74 29 | rises. | 7 44 | | |
| 24 | So. | 77 40 | 8 32 | 11 41 | 24 | 77 35 | 8 27 | 8 37 | | |
| 25 | Mo. | 74 24 | 9 23 | 0 7 | 25 | 74 30 | 9 19 | 9 30 | | |
| 26 | Tu. | 77 40 | 10 7 | 0 57 | 26 | 77 35 | 10 3 | 10 18 | | |
| 27 | We. | 74 25 | 10 44 | 1 46 | 27 | 74 31 | 10 41 | 11 4 | | |
| 28 | Th. | 77 40 | 11 15 | 2 33 | 28 | 77 35 | 11 13 | 11 52 | | |
| 29 | Fr. | 74 26 | 11 42 | 3 18 | 29 | 74 31 | 11 41 | 0 16 | | |
| 30 | Sa. | 77 40 | morn | 4 4 | 30 | 77 35 | morn | 1 3 | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | | |



| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---------------------------------------|----------------------------------|-----------------------------------|
| NEW MOON..... | 9d. 1h. 16m. M. | 9d. 0h. 16m. M. |
| FIRST QUARTER.. | 16d. 7h. 13m. M. | 16d. 6h. 13m. M. |
| FULL MOON..... | 23d. 0h. 45m. M. | 22d. 11h. 45m. A. |
| LAST QUARTER... | 30d. 3h. 29m. A. | 30d. 2h. 29m. A. |

| BOSTON & CHICAGO. | | | | POST. | | N. YORK & PHILA. | | | N. Y. | |
|-------------------|-------------|------------------|------------|-----------------|-------|------------------|------------------|------------|-----------------|-------|
| D. of M. | Day of W'k. | Local Mean Time. | | Stand-ard Time. | TIDE. | D. of M. | Local Mean Time. | | Stand-ard Time. | TIDE. |
| | | SUN R.&S. | MOON R.&S. | | | | SUN R.&S. | MOON R.&S. | | |
| 1 | So. | 74 27 | 0 8 | 4 53 | 1 | 74 32 | 0 8 | 1 52 | | |
| 2 | Mo. | 77 40 | 0 34 | 5 44 | 2 | 77 34 | 0 35 | 2 42 | | |
| 3 | Tu. | 74 28 | 1 0 | 6 34 | 3 | 74 33 | 1 2 | 3 32 | | |
| 4 | We. | 77 40 | 1 27 | 7 26 | 4 | 77 34 | 1 30 | 4 22 | | |
| 5 | Th. | 74 29 | 1 57 | 8 16 | 5 | 74 35 | 2 0 | 5 13 | | |
| 6 | Fr. | 77 39 | 2 32 | 9 5 | 6 | 77 33 | 2 36 | 6 3 | | |
| 7 | Sa. | 74 30 | 3 12 | 9 53 | 7 | 74 36 | 3 17 | 6 51 | | |
| 8 | So. | 77 38 | 3 56 | 10 40 | 8 | 77 33 | 4 1 | 7 35 | | |
| 9 | Mo. | 74 32 | sets. | 11 23 | 9 | 74 38 | sets. | 8 19 | | |
| 10 | Tu. | 77 37 | 8 46 | ..... | 10 | 77 32 | 8 42 | 9 5 | | |
| 11 | We. | 74 33 | 9 24 | 0 29 | 11 | 74 39 | 9 21 | 9 50 | | |
| 12 | Th. | 77 36 | 9 59 | 1 15 | 12 | 77 31 | 9 56 | 10 33 | | |
| 13 | Fr. | 74 35 | 10 31 | 2 0 | 13 | 74 40 | 10 29 | 11 10 | | |
| 14 | Sa. | 77 35 | 11 2 | 2 44 | 14 | 77 30 | 11 1 | ..... |  |  |
| 15 | So. | 74 36 | 11 33 | 3 32 | 15 | 74 41 | 11 34 | 0 30 | | |
| 16 | Mo. | 77 34 | morn | 4 24 | 16 | 77 29 | morn | 1 23 | | |
| 17 | Tu. | 74 38 | 0 5 | 5 23 | 17 | 74 43 | 0 7 | 2 21 | | |
| 18 | We. | 77 32 | 0 39 | 6 26 | 18 | 77 28 | 0 42 | 3 34 | | |
| 19 | Th. | 74 40 | 1 18 | 7 33 | 19 | 74 45 | 1 22 | 4 29 | | |
| 20 | Fr. | 77 31 | 2 3 | 8 38 | 20 | 77 26 | 2 7 | 5 36 | | |
| 21 | Sa. | 74 42 | 2 55 | 9 39 | 21 | 74 46 | 3 0 | 6 37 | | |
| 22 | So. | 77 29 | 3 53 | 10 36 | 22 | 77 25 | 3 58 | 7 32 | | |
| 23 | Mo. | 74 44 | rises. | 11 26 | 23 | 74 48 | rises. | 8 20 | | |
| 24 | Tu. | 77 28 | 8 38 | ..... | 24 | 77 23 | 8 35 | 9 12 | | |
| 25 | We. | 74 45 | 9 12 | 0 36 | 25 | 74 50 | 9 10 | 9 56 | | |
| 26 | Th. | 77 26 | 9 42 | 1 20 | 26 | 77 21 | 9 41 | 10 36 | | |
| 27 | Fr. | 74 47 | 10 10 | 2 2 | 27 | 74 52 | 10 9 | 11 16 | | |
| 28 | Sa. | 77 23 | 10 36 | 2 42 | 28 | 77 19 | 10 36 | ..... |  |  |
| 29 | So. | 74 49 | 11 2 | 3 23 | 29 | 74 54 | 11 3 | 0 22 | | |
| 30 | Mo. | 77 21 | 11 29 | 4 7 | 30 | 77 17 | 11 31 | 1 7 | | |
| 31 | Tu. | 74 51 | 11 58 | 4 56 | 31 | 74 56 | morn | 1 54 | | |



| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---------------------------------------|----------------------------------|-----------------------------------|
| NEW MOON.... | 7d. 1h. 21m. A. | 7d. 0h. 21m. A. |
| FIRST QUARTER... | 14d. 11h. 44m. M. | 14d. 10h. 44m. M. |
| FULL MOON..... | 21d. 11h. 20m. M. | 21d. 10h. 20m. M. |
| LAST QUARTER... | 29d. 9h. 18m. M. | 29d. 8h. 18m. M. |

| BOSTON & CHICAGO. | | | | BOST. | | N. YORK & PHILA. | | N. Y. | | |
|-------------------|------------|------------------|------------|--------|----------------|------------------|------------------|------------|----------------|-------|
| D. of M. | Day of Wk. | Local Mean Time. | | TIDE. | Standard Time. | D. of M. | Local Mean Time. | | Standard Time. | |
| | | SUN R.&S. | MOON R.&S. | | | | SUN R.&S. | MOON R.&S. | | |
| 1 | WE | 74 | 52 | morn | 5 | 47 | 74 | 57 | 0 1 | 2 45 |
| 2 | TH | 77 | 18 | 0 30 | 6 | 42 | 77 | 14 | 0 34 | 3 39 |
| 3 | FR | 74 | 54 | 1 7 | 7 | 38 | 74 | 58 | 1 11 | 4 35 |
| 4 | SA | 77 | 15 | 1 50 | 8 | 33 | 4 | 7 | 1 12 | 5 31 |
| 5 | S | 74 | 57 | 2 39 | 9 | 26 | 5 | 7 | 2 44 | 6 24 |
| 6 | MO | 77 | 13 | 3 35 | 10 | 17 | 6 | 7 | 3 40 | 7 13 |
| 7 | TU | 74 | 59 | sets. | 11 | 4 | 7 | 7 | 2 sets. | 7 59 |
| 8 | WE | 77 | 10 | 7 56 | 11 | 48 | 8 | 7 | 7 53 | 8 44 |
| 9 | TH | 75 | 1 | 8 31 | 0 | 10 | 9 | 7 | 8 29 | 9 30 |
| 10 | FR | 77 | 8 | 9 4 | 0 | 53 | 10 | 7 | 9 3 | 10 12 |
| 11 | SA | 75 | 3 | 9 35 | 1 | 38 | 11 | 7 | 9 35 | 10 54 |
| 12 | S | 77 | 5 | 10 6 | 2 | 23 | 12 | 7 | 10 7 | 11 42 |
| 13 | MO | 75 | 5 | 10 39 | 3 | 9 | 13 | 7 | 10 41 | 0 7 |
| 14 | TU | 77 | 2 | 11 16 | 4 | 2 | 14 | 7 | 11 19 | 1 1 |
| 15 | WE | 75 | 7 | 11 58 | 5 | 14 | 15 | 7 | 11 59 | 2 0 |
| 16 | TH | 76 | 59 | morn | 6 | 9 | 16 | 7 | 0 2 | 3 7 |
| 17 | FR | 75 | 9 | 0 47 | 7 | 18 | 17 | 7 | 0 52 | 4 15 |
| 18 | SA | 76 | 56 | 1 43 | 8 | 27 | 18 | 7 | 1 48 | 5 23 |
| 19 | S | 75 | 11 | 2 44 | 9 | 27 | 19 | 7 | 2 49 | 6 25 |
| 20 | MO | 76 | 53 | 3 49 | 10 | 21 | 20 | 7 | 3 53 | 7 18 |
| 21 | TU | 75 | 14 | rises. | 11 | 8 | 21 | 7 | 4 rises. | 8 2 |
| 22 | WE | 76 | 50 | 7 42 | 11 | 49 | 22 | 7 | 7 40 | 8 47 |
| 23 | TH | 75 | 16 | 8 10 | 0 | 9 | 23 | 7 | 8 9 | 9 28 |
| 24 | FR | 76 | 47 | 8 37 | 0 | 40 | 24 | 7 | 8 37 | 10 6 |
| 25 | SA | 75 | 18 | 9 3 | 1 | 28 | 25 | 7 | 9 4 | 10 42 |
| 26 | S | 76 | 43 | 9 29 | 2 | 6 | 26 | 7 | 9 31 | 11 20 |
| 27 | MO | 75 | 20 | 9 57 | 2 | 45 | 27 | 7 | 10 0 | 0 0 |
| 28 | TU | 76 | 40 | 10 28 | 3 | 26 | 28 | 7 | 10 32 | 0 24 |
| 29 | WE | 75 | 22 | 11 3 | 4 | 12 | 29 | 7 | 11 7 | 1 11 |
| 30 | TH | 76 | 37 | 11 43 | 5 | 4 | 30 | 7 | 11 48 | 2 3 |
| 31 | FR | 75 | 24 | morn | 6 | 1 | 31 | 7 | 12 36 | morn |



| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---------------------------------------|----------------------------------|-----------------------------------|
| NEW MOON..... | 3d. 11h. 56m. A. | 3d. 10h. 56m. A. |
| FIRST QUARTER... | 12d. 5h. 0m. A. | 12d. 4h. 0m. A. |
| FULL MOON..... | 20d. 0h. 24m. M. | 19d. 11h. 24m. A. |
| LAST QUARTER... | 28d. 3h. 30m. M. | 28d. 2h. 30m. M. |

| BOSTON & CHICAGO. | | | | BOST. | | N. YORK & PHILA. | | N. Y. | | | |
|-------------------|------------|------------------|------------|--------|----------------|------------------|------------------|------------|----------------|--------|-------|
| D. of M. | Day of Wk. | Local Mean Time. | | TIDE. | Standard Time. | D. of M. | Local Mean Time. | | Standard Time. | | |
| | | SUN R.&S. | MOON R.&S. | | | | SUN R.&S. | MOON R.&S. | | | |
| 1 | SA | 75 | 25 | 0 22 | 7 | 2 | 1 | 75 | 27 | 0 34 | 3 59 |
| 2 | S | 76 | 32 | 1 29 | 8 | 3 | 2 | 76 | 30 | 1 27 | 4 59 |
| 3 | MO | 75 | 27 | 2 22 | 9 | 0 | 3 | 75 | 29 | 2 26 | 5 57 |
| 4 | TU | 76 | 28 | 3 26 | 9 | 52 | 4 | 76 | 27 | 3 30 | 6 50 |
| 5 | WE | 75 | 29 | 4 33 | 10 | 41 | 5 | 75 | 31 | 4 36 | 7 35 |
| 6 | TH | 76 | 25 | sets. | 11 | 26 | 6 | 76 | 24 | sets. | 8 20 |
| 7 | FR | 75 | 32 | 7 36 | .... | .... | 7 | 75 | 33 | 7 36 | 9 7 |
| 8 | SA | 76 | 22 | 8 8 | 0 | 31 | 8 | 76 | 20 | 8 9 | 9 52 |
| 9 | S | 75 | 34 | 8 41 | 1 | 16 | 9 | 75 | 35 | 8 43 | 10 34 |
| 10 | MO | 76 | 18 | 9 17 | 2 | 2 | 10 | 76 | 17 | 9 20 | 11 21 |
| 11 | TU | 75 | 36 | 9 57 | 2 | 51 | 11 | 75 | 37 | 10 1 | .... |
| 12 | WE | 76 | 14 | 10 44 | 3 | 46 | 12 | 76 | 14 | 10 49 | 0 45 |
| 13 | TH | 75 | 38 | 11 38 | 4 | 49 | 13 | 75 | 39 | 11 43 | 1 47 |
| 14 | FR | 76 | 11 | morn | 5 | 57 | 14 | 76 | 10 | morn | 2 55 |
| 15 | SA | 75 | 40 | 0 36 | 7 | 8 | 15 | 75 | 41 | 0 41 | 4 4 |
| 16 | S | 76 | 7 | 1 38 | 8 | 12 | 16 | 76 | 7 | 1 42 | 5 8 |
| 17 | MO | 75 | 42 | 2 43 | 9 | 8 | 17 | 75 | 43 | 2 47 | 6 6 |
| 18 | TU | 76 | 4 | 3 49 | 9 | 59 | 18 | 76 | 4 | 3 52 | 6 57 |
| 19 | WE | 75 | 44 | 4 54 | 10 | 43 | 19 | 75 | 45 | 4 56 | 7 38 |
| 20 | TH | 76 | 0 | rises. | 11 | 22 | 20 | 76 | 0 | rises. | 8 16 |
| 21 | FR | 75 | 46 | 7 4 | 11 | 59 | 21 | 75 | 47 | 7 5 | 8 57 |
| 22 | SA | 75 | 57 | 7 30 | 0 | 16 | 22 | 75 | 57 | 7 32 | 9 33 |
| 23 | S | 75 | 49 | 7 57 | 0 | 53 | 23 | 75 | 49 | 8 0 | 10 9 |
| 24 | MO | 75 | 53 | 8 26 | 1 | 31 | 24 | 75 | 54 | 8 29 | 10 45 |
| 25 | TU | 75 | 51 | 8 59 | 2 | 10 | 25 | 75 | 51 | 9 3 | 11 25 |
| 26 | WE | 75 | 50 | 9 37 | 2 | 51 | 26 | 75 | 50 | 9 42 | .... |
| 27 | TH | 75 | 53 | 10 20 | 3 | 36 | 27 | 75 | 53 | 10 25 | 0 35 |
| 28 | FR | 75 | 46 | 11 9 | 4 | 28 | 28 | 75 | 47 | 11 14 | 1 26 |
| 29 | SA | 75 | 55 | morn | 5 | 26 | 29 | 75 | 55 | morn | 2 24 |
| 30 | S | 75 | 43 | 0 4 | 6 | 28 | 30 | 75 | 43 | 0 9 | 3 25 |



| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---------------------------------------|----------------------------------|-----------------------------------|
| NEW MOON..... | 5d. 9h. 34m. M. | 5d. 8h. 34m. M. |
| FIRST QUARTER.. | 12d. 0h. 29m. M. | 11d. 11h. 29m. A. |
| FULL MOON..... | 19d. 4h. 9m. A. | 19d. 3h. 9m. A. |
| LAST QUARTER... | 27d. 8h. 56m. A. | 27d. 7h. 56m. A. |

| BOSTON & CHICAGO. | | | | N. YORK & PHILA. | | | | N. Y. | | | | |
|-------------------|-------------|------------------|------------|------------------|----------|------------------|------------|-------|----------|------------------|------------|-------|
| D. of M. | Day of W'k. | Local Mean Time. | | TIDE. | D. of M. | Local Mean Time. | | TIDE. | D. of M. | Local Mean Time. | | TIDE. |
| | | SUN R.&S. | MOON R.&S. | | | SUN R.&S. | MOON R.&S. | | | SUN R.&S. | MOON R.&S. | |
| 1 | Mo. | 75 | 57 | 1 6 | 7 30 | 1 | 75 | 57 | 1 10 | 4 27 | | |
| 2 | Tu. | 75 | 39 | 2 12 | 8 29 | 2 | 75 | 40 | 2 15 | 5 26 | | |
| 3 | We. | 76 | 0 | 3 21 | 9 23 | 3 | 75 | 59 | 3 23 | 6 21 | | |
| 4 | Th. | 75 | 36 | 4 33 | 10 15 | 4 | 75 | 37 | 4 34 | 7 11 | | |
| 5 | Fr. | 76 | 2 | 4 sets. | 11 1 | 5 | 76 | 1 | sets. | 7 55 | | |
| 6 | Sa. | 75 | 33 | 6 38 | 11 45 | 6 | 75 | 33 | 6 40 | 8 41 | | |
| 7 | Su. | 76 | 4 | 7 13 | 0 8 | 7 | 76 | 3 | 7 16 | 9 30 | | |
| 8 | Mo. | 75 | 29 | 7 53 | 0 55 | 8 | 75 | 30 | 7 57 | 10 16 | | |
| 9 | Tu. | 76 | 6 | 8 39 | 1 45 | 9 | 76 | 5 | 8 44 | 11 6 | | |
| 10 | We. | 75 | 26 | 9 31 | 2 38 | 10 | 75 | 27 | 9 36 | ..... |  |  |
| 11 | Th. | 76 | 9 | 10 29 | 3 35 | 11 | 76 | 7 | 10 34 | 0 34 | | |
| 12 | Fr. | 75 | 23 | 11 31 | 4 37 | 12 | 75 | 24 | 11 36 | 1 36 | | |
| 13 | Sa. | 76 | 11 | morn | 5 45 | 13 | 76 | 9 | morn | 2 43 | | |
| 14 | Su. | 75 | 19 | 0 35 | 6 50 | 14 | 75 | 21 | 0 39 | 3 47 | | |
| 15 | Mo. | 76 | 14 | 1 39 | 7 50 | 15 | 76 | 11 | 1 42 | 4 46 | | |
| 16 | Tu. | 75 | 16 | 2 43 | 8 43 | 16 | 75 | 18 | 2 45 | 5 41 | | |
| 17 | We. | 76 | 16 | 3 46 | 9 30 | 17 | 76 | 14 | 3 47 | 6 28 | | |
| 18 | Th. | 75 | 13 | 4 48 | 10 13 | 18 | 75 | 15 | 4 48 | 7 10 | | |
| 19 | Fr. | 76 | 18 | 5 48 | 10 51 | 19 | 76 | 16 | 5 47 | 7 45 | | |
| 20 | Sa. | 75 | 10 | rises. | 11 27 | 20 | 75 | 12 | rises. | 8 21 | | |
| 21 | Su. | 76 | 20 | 6 26 | ..... | 21 | 76 | 18 | 6 29 | 9 1 | | |
| 22 | Mo. | 75 | 7 | 6 59 | 0 22 | 22 | 75 | 9 | 7 3 | 9 39 | | |
| 23 | Tu. | 76 | 23 | 7 35 | 1 0 | 23 | 76 | 20 | 7 40 | 10 16 | | |
| 24 | We. | 75 | 4 | 8 15 | 1 40 | 24 | 75 | 6 | 8 20 | 10 55 | | |
| 25 | Th. | 76 | 25 | 9 1 | 2 23 | 25 | 76 | 23 | 9 6 | 11 41 | | |
| 26 | Fr. | 75 | 1 | 9 53 | 3 8 | 26 | 75 | 4 | 9 58 | 0 5 | | |
| 27 | Sa. | 76 | 28 | 10 50 | 3 58 | 27 | 76 | 25 | 10 55 | 0 56 | | |
| 28 | Su. | 74 | 58 | 11 51 | 4 55 | 28 | 75 | 1 | 11 56 | 1 53 | | |
| 29 | Mo. | 76 | 30 | morn | 5 55 | 29 | 76 | 27 | morn | 2 53 | | |
| 30 | Tu. | 74 | 56 | 0 58 | 6 56 | 30 | 74 | 59 | 1 1 | 3 53 | | |
| 31 | We. | 76 | 33 | 2 7 | 7 56 | 31 | 76 | 30 | 2 9 | 4 52 | | |



| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---------------------------------------|----------------------------------|-----------------------------------|
| NEW MOON..... | 3d. 7h. 2m. A. | 3d. 6h. 2m. A. |
| FIRST QUARTER.. | 10d. 11h. 16m. M. | 10d. 10h. 16m. M. |
| FULL MOON..... | 18d. 10h. 16m. M. | 18d. 9h. 16m. M. |
| LAST QUARTER... | 26d. 0h. 20m. A. | 26d. 11h. 20m. M. |

| BOSTON & CHICAGO. | | | | N. YORK & PHILA. | | | | N. Y. | | | | |
|-------------------|-------------|------------------|------------|------------------|----------|------------------|------------|-------|----------|------------------|------------|-------|
| D. of M. | Day of W'k. | Local Mean Time. | | TIDE. | D. of M. | Local Mean Time. | | TIDE. | D. of M. | Local Mean Time. | | TIDE. |
| | | SUN R.&S. | MOON R.&S. | | | SUN R.&S. | MOON R.&S. | | | SUN R.&S. | MOON R.&S. | |
| 1 | Th. | 76 | 34 | 3 19 | 8 51 | 1 | 76 | 31 | 3 20 | 5 48 | | |
| 2 | Fr. | 74 | 52 | 4 33 | 9 44 | 2 | 74 | 55 | 4 32 | 6 42 | | |
| 3 | Sa. | 76 | 36 | 5 48 | 10 35 | 3 | 76 | 33 | 5 46 | 7 30 | | |
| 4 | Su. | 74 | 49 | sets. | 11 23 | 4 | 74 | 53 | sets. | 8 18 | | |
| 5 | Mo. | 76 | 39 | 6 29 | ..... | 5 | 76 | 36 | 6 33 | 9 10 | | |
| 6 | Tu. | 74 | 47 | 7 19 | 0 38 | 6 | 74 | 50 | 7 24 | 10 2 | | |
| 7 | We. | 76 | 41 | 8 17 | 1 32 | 7 | 76 | 38 | 8 22 | 10 54 | | |
| 8 | Th. | 74 | 45 | 9 20 | 2 27 | 8 | 74 | 48 | 9 25 | 11 50 | | |
| 9 | Fr. | 76 | 44 | 10 26 | 3 22 | 9 | 76 | 41 | 10 30 | 0 20 | | |
| 10 | Sa. | 74 | 43 | 11 32 | 4 22 | 10 | 74 | 46 | 11 35 | 1 21 | | |
| 11 | Su. | 76 | 46 | morn | 5 22 | 11 | 76 | 43 | morn | 2 20 | | |
| 12 | Mo. | 74 | 41 | 0 37 | 6 21 | 12 | 74 | 44 | 0 40 | 3 19 | | |
| 13 | Tu. | 76 | 49 | 1 40 | 7 17 | 13 | 76 | 45 | 1 42 | 4 14 | | |
| 14 | We. | 74 | 39 | 2 41 | 8 8 | 14 | 74 | 43 | 2 42 | 5 5 | | |
| 15 | Th. | 76 | 52 | 3 41 | 8 55 | 15 | 76 | 47 | 3 41 | 5 52 | | |
| 16 | Fr. | 74 | 37 | 4 40 | 9 38 | 16 | 74 | 41 | 4 39 | 6 36 | | |
| 17 | Sa. | 76 | 54 | 5 39 | 10 18 | 17 | 76 | 50 | 5 37 | 7 15 | | |
| 18 | Su. | 74 | 35 | rises. | 10 57 | 18 | 74 | 40 | rises. | 7 51 | | |
| 19 | Mo. | 76 | 56 | 5 34 | 11 35 | 19 | 76 | 52 | 5 38 | 8 30 | | |
| 20 | Tu. | 74 | 34 | 6 13 | ..... | 20 | 74 | 38 | 6 18 | 9 13 | | |
| 21 | We. | 76 | 59 | 6 57 | 0 34 | 21 | 76 | 55 | 7 2 | 9 52 | | |
| 22 | Th. | 74 | 33 | 7 46 | 1 15 | 22 | 74 | 37 | 7 51 | 10 32 | | |
| 23 | Fr. | 77 | 1 | 8 41 | 1 59 | 23 | 76 | 57 | 8 46 | 11 16 | | |
| 24 | Sa. | 74 | 32 | 9 40 | 2 45 | 24 | 74 | 36 | 9 44 | ..... |  |  |
| 25 | Su. | 77 | 4 | 10 43 | 3 33 | 25 | 76 | 59 | 10 46 | 0 31 | | |
| 26 | Mo. | 74 | 31 | 11 49 | 4 25 | 26 | 74 | 36 | 11 51 | 1 24 | | |
| 27 | Tu. | 77 | 6 | morn | 5 21 | 27 | 77 | 1 | morn | 2 19 | | |
| 28 | We. | 74 | 30 | 0 57 | 6 20 | 28 | 74 | 35 | 0 58 | 3 18 | | |
| 29 | Th. | 77 | 8 | 2 7 | 7 20 | 29 | 77 | 3 | 2 7 | 4 16 | | |
| 30 | Fr. | 74 | 29 | 3 20 | 8 18 | 30 | 74 | 34 | 3 19 | 5 15 | | |


MOON'S PHASES.
(In Standard Time.)

NEW MOON.....
FIRST QUARTER...
FULL MOON.....
LAST QUARTER...

BOSTON.

And Eastern Division.

3d. 5h. 5m. M.
10d. 1h. 46m. M.
18d. 5h. 41m. M.
26d. 1h. 0m. M.

CHICAGO.

And Central Division.

3d. 4h. 5m. M.
10d. 0h. 46m. M.
18d. 4h. 41m. M.
26d. 0h. 0m. M.

BOSTON & CHICAGO.

Local Mean Time.

| Day of Wk. | Sun. R. & S. | | Moon R. & S. | | Stand- ard Time. |
|------------|--------------|----|--------------|----|---------------------|
| | R. | S. | R. | S. | |
| 1 SA. | 7 | 10 | 4 | 36 | 9 15 |
| 2 S. | 5 | 28 | 5 | 53 | 10 11 |
| 3 MO. | 7 | 12 | sets. | 11 | 5 |
| 4 TU. | 5 | 28 | 5 | 58 | 11 56 |
| 5 WE. | 7 | 14 | 7 | 1 | 0 23 |
| 6 TH. | 5 | 28 | 8 | 9 | 1 18 |
| 7 FR. | 7 | 16 | 9 | 18 | 2 12 |
| 8 SA. | 5 | 28 | 10 | 25 | 3 4 |
| 9 S. | 7 | 18 | 11 | 30 | 4 55 |
| 10 MO. | 5 | 28 | morn | 4 | 49 |
| 11 TU. | 7 | 20 | 0 | 33 | 5 4 |
| 12 WE. | 5 | 28 | 1 | 34 | 6 36 |
| 13 TH. | 7 | 21 | 2 | 33 | 7 27 |
| 14 FR. | 5 | 29 | 3 | 32 | 8 15 |
| 15 SA. | 7 | 23 | 4 | 31 | 9 1 |
| 16 S. | 5 | 29 | 5 | 30 | 9 46 |
| 17 MO. | 7 | 24 | 6 | 28 | 10 29 |
| 18 TU. | 5 | 29 | rises. | 11 | 11 |
| 19 WE. | 7 | 25 | 5 | 41 | 11 51 |
| 20 TH. | 5 | 31 | 6 | 35 | 0 12 |
| 21 FR. | 7 | 26 | 7 | 34 | 0 55 |
| 22 SA. | 5 | 32 | 8 | 36 | 1 39 |
| 23 S. | 7 | 27 | 9 | 40 | 2 23 |
| 24 MO. | 5 | 33 | 10 | 46 | 3 8 |
| 25 TU. | 7 | 28 | 11 | 52 | 3 56 |
| 26 WE. | 5 | 34 | morn | 4 | 48 |
| 27 TH. | 7 | 29 | 1 | 1 | 5 45 |
| 28 FR. | 5 | 35 | 2 | 13 | 6 46 |
| 29 SA. | 7 | 29 | 3 | 27 | 7 49 |
| 30 S. | 5 | 37 | 4 | 42 | 8 52 |
| 31 MO. | 7 | 30 | 5 | 56 | 9 52 |

BOST.

TIDE.

| Day of Wk. | Sun. R. & S. | Moon R. & S. | Stand- ard Time. |
|------------|--------------|--------------|---------------------|
| 1 | 7 | 10 | 9 15 |
| 2 | 5 | 28 | 10 11 |
| 3 | 7 | 12 | 11 5 |
| 4 | 5 | 28 | 11 56 |
| 5 | 7 | 14 | 0 23 |
| 6 | 5 | 28 | 1 18 |
| 7 | 7 | 16 | 2 12 |
| 8 | 5 | 28 | 3 4 |
| 9 | 7 | 18 | 4 55 |
| 10 | 5 | 28 | 4 49 |
| 11 | 7 | 20 | 5 4 |
| 12 | 5 | 28 | 6 36 |
| 13 | 7 | 21 | 7 27 |
| 14 | 5 | 29 | 8 15 |
| 15 | 7 | 23 | 9 1 |
| 16 | 5 | 29 | 9 46 |
| 17 | 7 | 24 | 10 29 |
| 18 | 5 | 29 | 11 11 |
| 19 | 7 | 25 | 11 51 |
| 20 | 5 | 31 | 0 12 |
| 21 | 7 | 26 | 0 55 |
| 22 | 5 | 32 | 1 39 |
| 23 | 7 | 27 | 2 23 |
| 24 | 5 | 33 | 3 8 |
| 25 | 7 | 28 | 3 56 |
| 26 | 5 | 34 | 4 48 |
| 27 | 7 | 29 | 5 45 |
| 28 | 5 | 35 | 6 46 |
| 29 | 7 | 29 | 7 49 |
| 30 | 5 | 37 | 8 52 |
| 31 | 7 | 30 | 9 52 |

N. YORK & PHILA.

Legal Mean Time.

| Day of Wk. | Sun. R. & S. | Moon R. & S. | Stand- ard Time. |
|------------|--------------|--------------|---------------------|
| 1 | 7 | 5 | 4 34 |
| 2 | 5 | 33 | 5 50 |
| 3 | 7 | 7 | sets. |
| 4 | 5 | 33 | 6 3 |
| 5 | 7 | 9 | 7 6 |
| 6 | 5 | 33 | 8 14 |
| 7 | 7 | 11 | 9 22 |
| 8 | 5 | 33 | 10 28 |
| 9 | 7 | 13 | 11 32 |
| 10 | 5 | 33 | morn |
| 11 | 7 | 15 | 0 34 |
| 12 | 5 | 33 | 1 33 |
| 13 | 7 | 16 | 2 32 |
| 14 | 5 | 34 | 3 30 |
| 15 | 7 | 18 | 4 28 |
| 16 | 5 | 34 | 5 26 |
| 17 | 7 | 19 | 6 23 |
| 18 | 5 | 35 | rises. |
| 19 | 7 | 20 | 5 46 |
| 20 | 5 | 36 | 6 40 |
| 21 | 7 | 21 | 7 38 |
| 22 | 5 | 37 | 8 40 |
| 23 | 7 | 22 | 9 43 |
| 24 | 5 | 38 | 10 48 |
| 25 | 7 | 23 | 11 53 |
| 26 | 5 | 39 | morn |
| 27 | 7 | 23 | 1 0 |
| 28 | 5 | 41 | 2 11 |
| 29 | 7 | 24 | 3 24 |
| 30 | 5 | 42 | 4 38 |
| 31 | 7 | 24 | 5 51 |

N. Y.

TIDE.

| Day of Wk. | Sun. R. & S. | Moon R. & S. | Stand- ard Time. |
|------------|--------------|--------------|---------------------|
| 1 | 7 | 5 | 4 34 |
| 2 | 5 | 33 | 5 50 |
| 3 | 7 | 7 | sets. |
| 4 | 5 | 33 | 6 3 |
| 5 | 7 | 9 | 7 6 |
| 6 | 5 | 33 | 8 14 |
| 7 | 7 | 11 | 9 22 |
| 8 | 5 | 33 | 10 28 |
| 9 | 7 | 13 | 11 32 |
| 10 | 5 | 33 | morn |
| 11 | 7 | 15 | 0 34 |
| 12 | 5 | 33 | 1 33 |
| 13 | 7 | 16 | 2 32 |
| 14 | 5 | 34 | 3 30 |
| 15 | 7 | 18 | 4 28 |
| 16 | 5 | 34 | 5 26 |
| 17 | 7 | 19 | 6 23 |
| 18 | 5 | 35 | rises. |
| 19 | 7 | 20 | 5 46 |
| 20 | 5 | 36 | 6 40 |
| 21 | 7 | 21 | 7 38 |
| 22 | 5 | 37 | 8 40 |
| 23 | 7 | 22 | 9 43 |
| 24 | 5 | 38 | 10 48 |
| 25 | 7 | 23 | 11 53 |
| 26 | 5 | 39 | morn |
| 27 | 7 | 23 | 1 0 |
| 28 | 5 | 41 | 2 11 |
| 29 | 7 | 24 | 3 24 |
| 30 | 5 | 42 | 4 38 |
| 31 | 7 | 24 | 5 51 |

Ther.

SUN. JAN. 1, 1888

Wea.

Overcast, ^{2 days} at home
 Is Adelleid here.
 Her mother - Ed
 & Communion ^{Rev L. G. Clark} of Field
 Miss Convent - R. M. W.
 Henry - Rev E. G. Hood
 At the Rom. 8. 14. "Led & Spirit"

Meeting each other
 at 11:30 Capt. House

Ther.

MONDAY 2

Wea.

In W. M. H. to meeting

Ther.

TUES. JAN. 3, 1888

Wea.

Led W. Medford.
R. Muelster

Ther.

THURS. JAN. 5, 1888

Wea.

Received in front
Lee at the Allen's

Ther.

~~WEDNESDAY~~ WEDNESDAY 4

Wea.

Ther.

FRIDAY 5

Wea.

At W. 2. Church
Funeral of J. P.
Langworthy 88,
83. at Abbeville
25 years Sec of
Honorary Congl
Asson 17 years
Jorka. always a
preacher
Mr Hunt Boston

Ther.

SAT. JAN. 7, 1888

Wea.

[Faint handwritten notes]

Ther.

SUNDAY 8

Wea.

A. H. Medford

[Faint handwritten notes]

Ther.

MON. JAN. 9, 1888

Wea.

Ther.

TUESDAY 10

Wea.

Ther.

WED. JAN. 11, 1888

Wea.

Ther.

FRI. JAN. 13, 1888

Wea.

Wet & disagreeable
Wet & disagreeable
Wet & disagreeable
Wet & disagreeable

Ther.

THURSDAY 12

Wea.

Ther.

SATURDAY 14

Wea.

Ther.

SUN. JAN. 15, 1888

Wea.

W. W. Medford

Lerman Rev
Deputy
Command

Ther.

MONDAY 16

Wea.

Ther.

TUES. JAN. 17, 1888

Wea.

W. W. Medford

Lerman Rev
Deputy
Command

Ther.

WEDNESDAY 18

Wea.

W. W. Medford
Lerman Rev
Deputy
Command

Ther. THURS. JAN. 19, 1888 Wea.

*Mr. Medford
has come
to the
Council*

Ther. SAT. JAN. 21, 1888 Wea.

*Frank went to
Portland
John Howard
came*

Ther. FRIDAY 20 Wea.

*Prof. Volney S. Lake
Brooklyn N.Y. 3:15
Mill Nickerson
wife & Ray at
our house*

Ther. SUNDAY 22 Wea.

*Mr. Medford
Dr. E. C. Wood
"Joe"*

Ther. MON. JAN. 23, 1888 Wea.

Faint handwritten notes, possibly including names like "John" and "James".

Ther. WED. JAN. 25, 1888 Wea.

Faint handwritten notes.

Ther. TUESDAY 24 Wea.

Faint handwritten notes, possibly including "John" and "James".

Ther. THURSDAY 26 Wea.

Paper Meeting, (2)

Ther. FRI. JAN. 27, 1888 Wea.

Windy & cold

Ther. SUN. JAN. 29, 1888 Wea.

Per Co & Naval

Ther. SATURDAY 28 Wea.

In Office

Ther. MONDAY 30 Wea.

*Sparks' cabinet from
Portland*

Ther. TUES. JAN. 31, 1888 Wea.

Ther. THURS. FEB. 2, 1888 Wea.

John Howard calls
to Hoag

Ther. WEDNESDAY, FEB. 1 Wea.

In Office
calls
Rev Smith of Bedford
New Somers
Rockport

Address
Dr Co has naming
Lincoln
Act

Ther. FRIDAY 3 Wea.

In Office
calls
Hutchinson
Son of Mr.
J.H.S. at N.M.

Ther.

SAT. FEB. 4, 1888

Wea.

In Office
Call
Mr Russell
Author's photo.
to Medford Book 75-
Mrs. Ellen at 11:30

Ther.

SUNDAY 5

Wea.

Rev E. Howard
Wrote Concert in
Evening

Ther.

MON. FEB. 6, 1888

Wea.

[Faint handwritten notes or scribbles]

Ther.

TUESDAY 7

Wea.

Ther.

WED. FEB. 8, 1888

Wea.

Faint handwritten notes, possibly describing weather or observations.

Ther.

THURSDAY 9

Wea.

Faint handwritten notes, possibly describing weather or observations.

Ther.

FRI. FEB. 10, 1888

Wea.

Faint handwritten notes, possibly describing weather or observations.

Ther.

SATURDAY 11

Wea.

Faint handwritten notes, possibly describing weather or observations.

Ther.

SUN. FEB. 12, 1888

Wea.

[Faint, illegible handwritten notes]

Ther.

TUES. FEB. 14, 1888

Wea.

*Old Bank Day
Special prayer for
him*

[Faint, illegible handwritten notes]

Ther.

MONDAY 13

Wea.

Ther.

WEDNESDAY 15

Wea.

Ther. THURS. FEB. 16, 1888 Wea.

[Faint handwritten notes, possibly a list of names or dates, mostly illegible.]

Ther. SAT. FEB. 18, 1888 Wea.

Went to Newburgh
Rode - calls
J. Cortland
Rev Stratton
Rev Sauborn
Rev. Wallace

[Faint handwritten notes, possibly "Hill"]

Ther. FRIDAY 17 Wea.

[Faint handwritten notes, mostly illegible.]

Ther. SUNDAY 19 Wea.

A.M. Rev P.S. Hulbert
4th Cong Ch -
2-30. Aldwintch
Newburg - Rev
Sauborn Pastor
7-30 - Whitfield
Church. Call South
Pres. Rev Dr Wallace

Ther. MON. FEB. 20, 1888 Wea.

Faint handwritten notes, possibly bleed-through from the reverse side of the page.

Ther. WED. FEB. 22, 1888 Wea.

Holiday. At home
Mr. Grace sick
Mrs. Morrill here
Dr. Morrill 32
Visit (?) if he comes
Frank at Music
Hall

Ther. TUESDAY 21 Wea.

Faint handwritten notes, possibly bleed-through from the reverse side of the page.

Ther. THURSDAY 23 Wea.

Ther.

TUES. FEB. 28, 1888

Wea.

Attended funeral of
 Alson Gilmore at
 Easton aged 89. 7 mos
 27 days - wife died
 Larinda

Etta

Helen (Whiting)

Augustus

Edwin

Arthur

Frances Milner

Child

son

of

N.Y.

at

funeral

Ther.

WEDNESDAY 29

Wea.

Wrote motion

Heard Rev. Dr.

Cleveland at

Raf. Medford

Wrote Oliver Hill

Rich. M. Sarille

called -

Ther.

THURS. MAR. 1, 1888

Wea.

Ther.

FRIDAY 2

Wea.

Wrote N.Y.
 - called

Ther. SAT. MAR. 3, 1888 Wea.

Went to Winthrop
called on
Saw with Laura
night at Mr
Yinkers - called
Rev. G. L. Jones
Mr. J. C. [unclear]
Union League &
Temperance meeting
in the evening
40 percent

Went to [unclear] [unclear]

Ther. SUNDAY 4 Wea.

Ran to Smyth's
at Swanton
Went to [unclear]
Saw [unclear]
3rd Mt. Bailey's
colly 4/11/34

6-30 Rev. Farrell
to Mr. Thompson

Ther. MON. MAR. 5, 1888 Wea.

To Winthrop & Leeds
called on Mr. [unclear]
Jones - Mrs. Beagle
Mr. O'Connell - Mrs.
Fisher - rode with
Laura

Ther. TUESDAY 6 Wea.

To Hallwell &
Augusta - called
Rev. Stagle. Chase
Mr. L. G. Dr. Everett
Saw at Mr. George
Atherton

Ther. WED. MAR. 7, 1888 Wea.
 Friends meeting
 10 A.M.
 Cong. P.M. 4 P.M.
 Sea at Sea factory

Ther. FRI. MAR. 9, 1888 Wea.
 25 = 5005
 L.J. to Bruns - 9
 Melcher - Kerger - 1 1/2
 Gag - .50
 To Bath 9 x 18
 " Bruns. 9 x 18
 " Halenice. 30 x 60

Night of Lophom
 calls. His Hyde - Rev
 Fisher. in Sweet

Ther. THURSDAY 8 Wea.
 N. to L. J. 10 - 20
 L. J. to L. J. 37 74
 L. J. to L. J. 37 74
 Calls - Corbett - Messer
 Saw L. J. to
 L. J. to
 L. J. to
 L. J. to

Ther. SATURDAY 10 Wea.
 Breakfast W. A. Lush
 calls. Fred Barron
 Rev Mr Gurney Bab
 Rev Dr Liske
 Rev Dr Sols Tolson (out)
 night at Keallowell
 in Simon Lages
 Keallowell Granite Quarry
 John Westwick shaft

Ther. SUN. MAR. 11, 1888 Wea.
At Mr. Lages, See class
Bakers, call Misses Ols
10-30. Bay Ch -
12. P.S. Refound Class
2-30. M.E. Ch -
6-30 " " "
Mr. Sophie Gilman
at Mr. Lages

Ther. MONDAY 12 Wea.
Dine Sam Ols
calls - Mary Sole
" - Mr. Springer
" - Mr. Hubbard
to Mrs. & 31 Mrs.
62 Ch

Ther. TUES. MAR. 13, 1888 Wea.
In Bath, Topsham
Brun & Portland
night at Mr. Major
85. Ch

Ther. WEDNESDAY 14 Wea.
Home at 11. A. M.

Ther. THURS. MAR. 15, 1888 Wea.

2 Prayer meetings
Sincerely
Am Richards Mother
Dear

Ther. SAT. MAR. 17, 1888 Wea.

New to Mrs at
12.30 - Lounline
Hotel Metcalf & Booker
Shave .20
Lunches .40
Collar .50

Ther. FRIDAY 16 Wea.

at home & office

5.2^H 2.4

Ther. SUNDAY 18 Wea.

10.45. C Ch Lpchan
4-30 - B. C. Students
7- Bap. Union. m
Boys^P 6.89
Braft art - Lounline
Dinner & Loun Lively
Nigh. Will Hall
Hotel \$2.00

Ther. MON. MAR. 19, 1888 Wea.

Home at 11.30 -
Lunches Bath & P. .55 -
Culps - .30

Ther. TUESDAY 20 Wea.

Ther. WED. MAR. 21, 1888 Wea.

Ther. THURSDAY 22 Wea.

Ther.

FRI. MAR. 23, 1888

Wea.

At home with
Rheumatism

Ther.

SATURDAY 24

Wea.

Went to No. 200
4 P.M.
In office from
1 to 2 P.M.

Ther.

SUN. MAR. 25, 1888

Wea.

Samuel Buffam
J. B. Hussey
Rev. S. Dexter
From Bath. 10-30 a.m.
so return 7- P.M.
Bill. 16
Three suits of Mr Hussey
removable bags
2. little girls of
J.B.

Ther.

MONDAY 26

Wea.

J.B. H 15-75
cash - 10-
Dona 3-
Cash say 2-
15-

Mr Hobbs - owner
of mill
Rev. Mr. Hambleton
Bath
Went to Mr. Hambleton

Ther. TUES. MAR. 27, 1888 Wea.
At Mr Cutler's Farming-
ton - Saw above place
for Mr Graves - Elson
House - 75. & Kunkin
- 25. calves. Mr Kunkin
Mr Harris - Mr Borning
etc -
Went to Kent's Hill
Snow deep -

Ther. WEDNESDAY 28 Wea.
Kent's Hill

Ther. THURS. MAR. 29, 1888 Wea.
Reached home at
6. P.M.

Ther. FRIDAY 30 Wea.
In Office. Work on
correspondence &
Advocate

Ther. SAT. MAR. 31, 1888 Wea.

Ther. MON. APRIL 2, 1888 Wea.

In Office - Ella Arnold
muscles?

Ther. SUNDAY, APRIL 1 Wea.

At home - Rev. G. C. Nord
Earlier - H. C. West
Evening - gave 2 \$06

Ther. TUESDAY 3 Wea.

Received \$208. & paid
bills leaving \$06
On the hill at 6 a.m.
Called on Chapin
with trunk about
house lot

Ther. WED. APRIL 4, 1888 Wea.

Told Mr Richards, we
need not need
bring regularly
He went to M. 2. Confer-
ence at Milford
Looked at Russell
house. Arlington 4th
with Helen

Ther. THURSDAY 5 Wea.

Fair day. Small
meeting. 11. a.m.
Do. 7-30 P.M.
Looked at Spring
House Arlington
heights. with Helen
& Frank. Rained

Ther. FRI. APRIL 6, 1888 Wea.

In Office. H.S. Maly
Angels - Returned
Advocate Dunning
called on "Our day"

Ther. SATURDAY 7 Wea.

In Office

Ther. SUN. APRIL 8, 1888 Wea.

Slingsby Heights -
at Clarence D. Persons
wife dau. of Dr. Abbott
former of Rockport
Good Liberty Sch.
Army. Col. 6.63
Walked home very
cool

Ther. MONDAY 9 Wea.

In Office
Richard's Conference
at Milford

Ther. TUES. APRIL 10, 1888 Wea.

do -
Sumner's Address
for April
Mother has Pneumonia

Ther. WEDNESDAY 11 Wea.

In Office
Mother better

Ther. THURS. APRIL 12, 1888 Wea.

Went out home
with Miss Hadley
Miss Richardson
& Miss Meriden

Eller has measles
Bad cough

W. Looked at
Cochran House

Ther. FRIDAY 13 Wea.

Wrote ~~some~~ for
rooms

Ther. SAT. APRIL 14, 1888 Wea.

In Office

Said Mrs. Conville
Rent - 45 8.⁰⁰
Atlas for Office
46 4/5

Ther. SUNDAY 15 Wea.

At home

Ther. MON. APRIL 16, 1888 Wea.

Ther. WED. APRIL 18, 1888 Wea.

Ther. TUESDAY 17 Wea.

Ther. THURSDAY 19 Wea.

Ther. FRI. APRIL 20, 1888 Wea.

1. 40° 11° 12°

Ther. SUN. APRIL 22, 1888 Wea.

In P. Medford

Ther. SATURDAY 21 Wea.

Ther. MONDAY 23 Wea.

Ther. TUES. APRIL 24, 1888 Wea.

Morning
In water

Ther. THURS. APRIL 26, 1888 Wea.

Morning 2 Loads
In form

Ther. WEDNESDAY 25 Wea.

Morning
In water

Ther. FRIDAY 27 Wea.

Morning 2 Loads
Hornif divided
Frank Knight
letters
at Chelsea

Ther. SAT. APRIL 28, 1888 Wea.

Moving 2, Loads
Having all
at Arlington
Lunch hot letter

Ther. SUNDAY 29 Wea.

Routie & I & Ella
went to W. Medford.
I offered prayer
Lunch in Arlington
Walked -

7:00 0 1:22 2 3 4 5 6 7 8 9 10 11 12

Ther. MON. APRIL 30, 1888 Wea.

In Boston -
Heard Dr. Messiman
& Dr. Hamlin

Ther. TUESDAY, MAY 1 Wea.

Rainy In Boston
Pdr. laid Pills
1- Note Minister
& Mrs. Robinson
at Shatham Vt.
Russell requested
a Report

Ther.

WED. MAY 2, 1888

Wea.

In Office 1/2 day

Ther.

FRI. MAY 4, 1888

Wea.

In Office
In Durham
Called -
Called on Mr. Tobey
Executed Paul & Bond

Ther.

THURSDAY 3

Wea.

In Office 1/2 day
In Durham
Called

Ther.

SATURDAY 5

Wea.

Ther.

SUN. MAY 6, 1888

Wea.

Faint handwritten notes, possibly describing weather or observations.

Ther.

TUES. MAY 8, 1888

Wea.

Ther.

MONDAY 7

Wea.

Faint handwritten notes, possibly describing weather or observations.

Ther.

WEDNESDAY 9

Wea.

Ther.

THURS. MAY 10, 1888

Wea.

Ther.

SAT. MAY 12, 1888

Wea.

Handwritten notes, mostly illegible.

Ther.

FRIDAY 11

Wea.

Ther.

SUNDAY 13

Wea.

Rev S. S. Cole writes
me to preach for
him at Wakefield
M. S. Ch
Sat 80 - Greenwood
11. A. M.
Rheumatism

Ther. MON. MAY 14, 1888 Wea.

Went to Mr. Chubb
Marine to see
about Laura B.
Q. 45.

Ther. TUESDAY 15 Wea.

Moved her to Mrs
Jewell & settled
her business matters
she is very ill.

Ther. WED. MAY 16, 1888 Wea.

Went to deeds to
confer with Mr &
Mrs A. J. Fox

Ther. THURSDAY 17 Wea.

Came home after
a few hours in
Portland.

Received Anahy
pushing both
houses sold

Ther.

FRI. MAY 18, 1888

Wea.

Ther.

SUN. MAY 20, 1888

Wea.

Rev A. L. Mearns
Rochport invites
me -

Rochport 10-30 - A.M.

S.S. 12 M

L. Cove. 7. P.M. 3.68

R 15.40

Ther.

SATURDAY 19

Wea.

Ther.

MONDAY 21

Wea.

Ther.

TUES. MAY 22, 1883

Wea.

Faint handwritten notes, possibly including "10-30" and "7-11".

Ther.

THURS. MAY 24, 1883

Wea.

Ther.

WEDNESDAY 23

Wea.

Ther.

FRIDAY 25

Wea.

Faint handwritten notes, possibly including "10-30" and "7-11".

Ther.

SAT. MAY 26, 1888

Wea.

Ther.

MON. MAY 28, 1888

Wea.

Annual Meeting

[Faint, illegible handwriting]

Ther.

SUNDAY 27

Wea.

Ther.

TUESDAY 29

Wea.

A. M. Gay leh -
Sre. do of Gumm
meeting 11 y 43

[Large, dark, illegible scribbles]

In Office

~~at Harlan~~

Ther. WED. MAY 30, 1888 Wea.

Decorative Day
News with family
to Lexington
calls
Mr Herrick
Dr Hamlin
class, Home

Ther. THURSDAY 31 Wea.

Ther. FRI. JUNE 1, 1888 Wea.

Called on J. H. Russell
He made statements
as to P. S. Lund

Ther. SATURDAY 2 Wea.

at Mrs Allens
Dread Sick
at W. Medford
Home with wife
at 11 P.M.

Ther.

SUN. JUNE 3, 1888

Wea.

Heard Dr. Cyrus Ham-
lin - Ash & Co
at Arlington

Ther.

TUES. JUNE 5, 1888

Wea.

Publication of
Washington Ob-
s. P. 111

Ther.

MONDAY 4

Wea.

Leaving Hart for
Washington with
Smith & Co

Go to Mr. Cutler

Ther.

WEDNESDAY 6

Wea.

I go to Windsor
Mass. & Exeter & Camp
Punkie with me
Have 8 1/2 hours
good luck -
Return as far
as Randolph Center

Ther. THURS. JUNE 7, 1888 Wea.

Address J. B. Dvor
meeting at W
Persu. me -
Reached Lunningan
at 6. P. M.

Ther. FRIDAY 8 Wea.

Helen & I at Lucy
A. G. Cross, Lett
Howard - Gov
Laura

Ther. SAT. JUNE 9, 1888 Wea.

Helen returned to
L. I went on to
Phillips to
O. A. Sargens Esq
wife & 2 boys

Ther. SUNDAY 10 Wea.

A. M. M. E. Ch.
P. M. & Evening
Caryl Church
Ledce - Coll. 8.

Ther.

MON. JUNE 11, 1888

Wea.

Rode to Reep's
Bullens. Heron
Aunties - Salem
2 took 11-30
train to Farmington

Ther.

WED. JUNE 13, 1888

Wea.

Addressed Cushman
land No Camp. Free-
port. Recd. - Young-
night at Mrs. E.
Aldrich's

Ther.

TUESDAY 12

Wea.

At Mrs. Luntters
with Helen &
children
~~Home (Candy) 175~~
~~Post Home 200 1/2~~
~~New Union for~~
~~in June Break~~

Ther.

THURSDAY 14

Wea.

Came to Boston
~~Selling in with~~
~~feeding & seen~~
~~Miss Pitts~~
Selling in

Ther. FRI. JUNE 15, 1888 Wea.

In Office -

Mailed Advocates
for July & Aug

Ther. SATURDAY 16 Wea.

In Office -

Ther. SUN. JUNE 17, 1888 Wea.

Heard Dr. Hasbun

Heard Dr. Mason.
Junch

Ther. MONDAY 18 Wea.

In Office

Ther. TUES. JUNE 19, 1888 Wea.

Office

Ther. THURS. JUNE 21, 1888 Wea.

^{Do}
Pages meeting

Ther. WEDNESDAY 20 Wea.

Office

Ther. FRIDAY 22 Wea.

Stoughton Pages
meeting

Ther. SAT. JUNE 23, 1888 Wea.

Ther. MON. JUNE 25, 1888 Wea.

Called Dr. Gott
Gen. C. Clark
Went to Spring Hill

Ther. SUNDAY 24 Wea.

Ther. TUESDAY 26 Wea.

Auburn Mr. Reese
A.M. & Evening S.S.
B.S. Hotel 13.50

Bot House 2 C
Horse Clark 1.75

Ther.

WED. JUNE 27, 1888

Wea.

Went to Boston
with family &
Elen Messier

Ther.

FRI. JUNE 29, 1888

Wea.

Do
Mailed Angels
Girls aided

Ther.

THURSDAY 28

Wea.

In Office

Ther.

SATURDAY 30

Wea.

Do
Went to Bruce Beach
with family & called
on Everett.
Finished mailing
papers

Ther. SUN. JULY 1, 1888 Wea.

A. M. all things 2c
Communion -
Newspaper 30.00
H. H. Fund 1.00

Ther. TUES. JULY 3, 1888 Wea.

Passing thru Canada
Dined at Toronto
Rossin Hotel. 75.

Reached Niagara
at 6. Stayed till
9. Spent time
at Chiflin House
Young People

Ther. MONDAY 2 Wea.

Started for Chicago
at 12.25 - Ticket
to go and return
Pullman car out 2.30

Ther. WEDNESDAY 4 Wea.

Michigan as dining
Car - 75

Reached Chicago
6. P. M.
night at Commercial
Hotel & left after
dinner the 5th
275

Ther. THURS. JULY 5, 1888 Wea.

Ch. Endeavor Comm-
tion at 9. A.M.

See Program

4000
members 300,000
Society 7,000

Next to ^{celebrates 76 in years} Glencor
at 4.30

Ticket \$5.25

Ther. FRIDAY 6 Wea.

Ch. Eu. Com

Low Jervis

Ther. SAT. JULY 7, 1888 Wea.

Ch. Endeavor - was
asked to speak but
there was no time

Ther. SUNDAY 8 Wea.

Glencor, two local
Sermons & S. S. work
15th Lent Ch. v's
Dennis
Brown

Ther.

MON. JULY 9, 1888

Wea.

Chicago, Lowell
Hall Prayer meeting
Reminiscences

Letters Chas. & and

Frank & Helen (2)
V. box. & Richards
bursed all of
them.

Ther.

TUESDAY 10

Wea.

Tuesday. In office

Ther.

WED. JULY 11, 1888

Wea.

Went to Home art
night at Mrs. Coe's
call Dr. Norton

Ther.

THURSDAY 12

Wea.

dinner Dr. Schenker
Calls - Gumbor
Cotton Mears
Barcom Bee
Pyles Waller
Carse Emmett
Percy Lecliff
Anthony
Lecliff
Smith G. S.
Smith Mr. James
Jones " Henry
slays Schmeling
Richardson Keace

Ther. FRI. JULY 13, 1888 Wea.

People I saw
Rev. Mr. Williams
Clarence Deane
Frank Dunbar
Limestone
Hollcomb
Horton
J. H. Bryant
Porter to Chicago
31 Pills
Principal Groves

Ther. SATURDAY 14 Wea.

In Chicago - Went
to Oak Park
entertained by
Mrs. Yerkes

Ther. SUN. JULY 15, 1888 Wea.

Oak Park
Dr. W. W. Mumford
Wm. J. Terry of
Granville
Rev. Dr. Kraft
Rev. Mr. Bap

Ther. MONDAY 16 Wea.

[Faint, illegible handwriting]

Ther. TUES. JULY 17, 1888 Wea.

Went with Mother
to Richmond Ind

Ther. THURS. JULY 19, 1888 Wea.

Dearly Meeting House
Samuel Heile
Mothy McCallum
8th St
Written in
Every (see card)

Ther. WEDNESDAY 18 Wea.

Neichele Friends
No. 4th St.
Lynlyne
Orthodox Meeting

Ther. FRIDAY 20 Wea.

San Ben Humans
Indianapolis
Came & Glueco
Luf 24.25-
Mother

Ther.

SAT. JULY 21, 1888

Wea.

At Geneva
Chicago

Ther.

MON. JULY 23, 1888

Wea.

In Chicago
Heard J. Hudson
Laying Inland
China Mission
at Cornell Hall

Ther.

SUNDAY 22

Wea.

Went to
Wells Greening
Place

Ther.

TUESDAY 24

Wea.

1/2 day in Chicago

Ther. WED. JULY 25, 1888

Wea.

Oak Bluff
Raining Afternoon at
Glencoe

Ther. FRI. JULY 27, 1888

Wea.

At Rockford
Reunion at
C. P. W.
Dinner & calls

Ther. THURSDAY 26

Wea.

Went to Rockford

Ther.

SATURDAY 28

Wea.

Dinner & calls

Ther. SUN. JULY 29, 1888 Wea.

Rockford Ill
Gray Place

Ther. MONDAY 30 Wea.

At Chicago Ill
3.25 - 8.11
In PM.

Ther. TUES. JULY 31, 1888 Wea.

On RR.

Ther. WEDNESDAY, AUG. 1 Wea.

Reached Boston
at 8.30 AM.
Toll Ticket - 2.00
Paid ^{1/2} 1.00
Sold in Chicago
for 12.00 2.00
Made 4.00

Ther.

THURS. AUG. 2, 1888

Wea.

In Office

Ther.

SAT. AUG. 4, 1888

Wea.

In Office till
1 P.M. went to
A. Gloucester Mr
N. Valentine
"Celia" "

Ther.

FRIDAY 3

Wea.

In Office

Ther.

SUNDAY 5

Wea.

A.M.S.
Taught Bible
Class -
Jan Lydia Gilbert
Wasson
Clark Curtis
Lucy Shenall
Fudge
30%

Ther.

MON. AUG. 6, 1888

Wea.

To Lewiston at
7-50 a.m.

To Hampten

at 10-30-

arriving Lewist

L. Halls

at 2 P.M.

Hampten - 5-10
A. H. C. C. (Fr)

Ther.

TUESDAY 7

Wea.

In the horse to

Ther.

WED. AUG. 8, 1888

Wea.

In meeting -

calls with Laker

Jos. & Jos

Litcomb

Have 1/2 tea

at Sea Johns

Ther.

THURSDAY 9

Wea.

"Sociable" at Ceh.

calls Mr. Borkett

Mr. Hunkins

Mr. Stearns

Mr. Gross

Ther.

FRI. AUG. 10, 1888

Wea.

To Sharp Shan -
 Picnic M. Monile
 & Lily Alden
 \$2.50 calls
 Leone Gay
 Geo Hunter
 J. B. Knollton
 David Hunter
 Mrs. Shubbs - Muego -

Ther.

SATURDAY 11

Wea.

On Groof calls
 My Monile
 L. Hills Rev
 E. S. Small
 Wm. Little Washburn
 R. A. Boothby
 Rode to Abland
 Mrs. Luffie Atwood
 L. J. Moore
 Carter

Ther.

SUN. AUG. 12, 1888

Wea.

Rainy - Laught
 B. Class \$1.65

Ther.

MONDAY 13

Wea.

J. Britton 4, \$45
 Per
 Rainy day
 Bean of
 Leitchhill
 Bean on Train

Ther. TUES. AUG. 14, 1888 Wea.

In Office
Culls at W. Medford
Horse 1,00
Smith, Howard &
Leavitt.

Ther. THURS. AUG. 16, 1888 Wea.

In Office
Led to meeting
Heath & Winthrop
Sanborn
Durham

Ther. WEDNESDAY 15 Wea.

In Office

Ther. FRIDAY 17 Wea.

In Office
at Shelburne
Proper meeting

Ther. SAT. AUG. 18, 1888 Wea.

In Office

Ther. MON. AUG. 20, 1888 Wea.

In Office

Ther. SUNDAY 19 Wea.

Lahmuth footed
arrived with Lopez
freighted Abel, for
Rev H. K. Craig
S.S. concert -
In sea S.S. class
Mr. John Elkinson

Ther. TUESDAY 21 Wea.

²⁰
Married 1866
Harry B. Sade died
1887

Ther. WED. AUG. 22, 1888

Wea.

do

FRI. AUG. 24, 1888

Wea.

*I met at
Selling*

Ther. THURSDAY 23

Wea.

*do - wife
R meeting*

SATURDAY 25

Wea.

Office

Ther. SUN. AUG. 26, 1888 Wea.

At home
abridged
Funeral of Mr. Eskins
body at 2 P.M.
Night Class of
Boys in S.S.
Went to Pop Fager
meeting
see Richardson
In word et al

Ther. MONDAY 27 Wea.

In Office
Chose worked 1/2 day
Robinson &
H. Howard got
through. 17
paid

Ther. TUES. AUG. 28, 1888 Wea.

In Office

Ther. WEDNESDAY 29 Wea.

Mailed Augels
Fred Wilder helped
, 50. A. T. S

Ther. THURS. AUG. 30, 1888 Wea.

At B meeting -

[Faint handwritten notes, possibly describing a meeting or event]

Ther. FRIDAY 31 Wea.

Met family at Syn
Rep Lecture - Dr Mason

[Faint handwritten notes]

Ther. SAT. SEPT. 1, 1888 Wea.

Paid bills with
monthly pay -
Welen in Office

Ther. SUNDAY 2 Wea.

At home
Communion
Conducted devotional
services a.m.
Bapt in evening

[Faint handwritten notes]

Ther.

MON. SEPT. 3, 1888

Wea.

Went to
Utica

Ther.

WED. SEPT. 5, 1888.

Wea.

Spoke Hill,
N. Y.
to Capt
Chas. D. Dwyer
District at
Newsp

Ther.

TUESDAY 4

Wea.

Went to
Oxford
Spoke in an
Orchard 3 P.M.
Rev. B. L. Brady
class B

Ther.

THURSDAY 6

Wea.

Led to meeting
romick N.Y.

Ther. FRI. SEPT. 7, 1888 Wea.

Richfield
Springs

Ther. SUN. SEPT. 9, 1888 Wea.

Oxford Ms.
A. M. Henry &
S. S. Caryl Ch.

Coll # 9, 34

Ther. SATURDAY 8 Wea.

Oxford P. M.

Ther. MONDAY 10 Wea.

To do Adams
man - Geo Haven
on train

Ther. TUES. SEPT. 11, 1888

Wea.

Home

Ther. THURS. SEPT. 13, 1888

Wea.

In Office

Ther. WEDNESDAY 12

Wea.

Lizzie & M
& Sarah
came
In Office

Ther.

FRIDAY 14

Wea.

at prayer meeting

Ther. SAT. SEPT. 15, 1888 Wea.

Went to Norwalk
N.Y. at Mr
Martins -

Ther. MON. SEPT. 17, 1888 Wea.

Went to My
Army Sep
Picnic

Night at Utica

Ther. SUNDAY 16 Wea.

Stormy - at all
Greeny S.S.
20th

Ther. TUESDAY 18 Wea.

Home

Ther.

WED. SEPT. 19, 1888

Wea.

In Office

Ther.

FRI. SEPT. 21, 1888

Wea.

So
Rags nearly

Ther.

THURSDAY 20

Wea.

So

Ther.

SATURDAY 22

Wea.

In Office

Ther. SUN. SEPT. 23, 1888

Wea.

Home - Lizzie
at ch -

I spoke
at evening

Ther. MONDAY 24

Wea.

| | |
|----------------|-----------|
| John | Leonell |
| Howard | Hitchcock |
| Richard | Morse |
| Giles | Gregg |
| Sheldon | Smith |
| Oliver | Kneels |
| Durham - C. I. | |

Helen at No
Audover -

Ther. TUES. SEPT. 25, 1888

Wea.

In Office

Ther. WEDNESDAY 26

Wea.

Do

Ther. THURS. SEPT. 27, 1888 Wea.

Sed R meeting

Faded handwriting

Ther. SAT. SEPT. 29, 1888 Wea.

In Office

Faded handwriting

Ther. FRIDAY 28 Wea.

At Prayer
meeting at 11:30
Spoke on
H. Richards

Faded handwriting

Ther. SUNDAY 30 Wea.

Bapt. A-M. Service
by Mr. Watson
Pastor.

Ther.

MON. OCT. 1, 1888

Wea.

Sp. Miss.
Meeting -
addresses by
De Meas
De Thomas

Ther.

WED. OCT. 3, 1888

Wea.

Great Military Parade
5700 troops in
line

Ther.

TUESDAY 2

Wea.

In Office

Ther.

THURSDAY 4

Wea.

In Office
Angels visited

Ther.

FRI. OCT. 5, 1888

Wea.

In Office

Ther.

SUN. OCT. 7, 1888

Wea.

At home
Journal of Laura
Strong

Ther.

SATURDAY 6

Wea.

Went to Leeds, Me

and returned

Ther.

MONDAY 8

Wea.

Went to Leavenworth
Call
Seth Newell Smith

Ther. TUES. OCT. 9, 1888 Wea.

Leaves home
Lucy G. Gay on
train

Ther. THURS. OCT. 11, 1888 Wea.

In Office

Ther. WEDNESDAY 10 Wea.

In Office

Ther. FRIDAY 12 Wea.

Organ meeting

Ther.

SAT. OCT. 13, 1888

Wea.

In Office

Ther.

SUNDAY 14

Wea.

Heard Mr. Mason
S. W.

Spoke on Temperance
at Pop Church
W. C. S. W.

The Durhams &
Sturtevant makes
are partners in
a coal business
Commandments
Beethmetis

Ther.

MON. OCT. 15, 1888

Wea.

Major meeting
Has Lutherizing
of Berlin - Inter
national Character
influence of an
American Church
at the Center of
a great Empire

Ther.

TUESDAY 16

Wea.

In Office
Advocates
new mailed
in post badly
papered -

Ther. WED. OCT. 17, 1888 Wea.

Birth day - In
Office - dinner
at home at 6 P.M.

Ther. FRI. OCT. 19, 1888 Wea.

New York
at A. P. C.

Ther. THURSDAY 18 Wea.

In Office.
Lectured at
Somers - 25th

Ther. SATURDAY 20 Wea.

at N. C. of A. meeting
in New York
Harmah Bailey
road report of place
Dept
Jacob

copy sent
three for

Ther. SUN. OCT. 21, 1888 Wea.

Plymouth Church
Salem Road. Abbott
arrived with him -
leaving at N. C. Hill
in N.Y.

Ther. TUES. OCT. 23, 1888 Wea.

At Providence
B. F. Knowles
Mrs. A. came
Left at meeting
3:07 - 3:30 P.M.
Lemon by Rev. D. Little

Ther. MONDAY 22 Wea.

W. C. L. U. Meeting
Obituary Notice of
Dr. W. A. G. Thomas
Resolutions of
Chapels & Societies
& Clergy for
a Celebration

Ther. WEDNESDAY 24 Wea.

Sabb. M. A. Frager
meeting 8 to 9 -
Lecture at evening

Ther. THURS. OCT. 25, 1888 Wea.

A.M. all
days evening

Ther. SAT. OCT. 27, 1888 Wea.

In Office

Ther. FRIDAY 26 Wea.

Name at C. Lick
Call

Mr. Neusterman
Mr. Daniels on
Richie Harmon
48. Wood St

Miss Graves - Harsh
Mrs. Richards - making -
Henry Anthony
Ez. Sharpless

Ther. SUNDAY 28 Wea.

At Home

Ther. MON. OCT. 29, 1888 Wea.

In Office

Ther. WED. OCT. 31, 1888 Wea.

In Office

Ther. TUESDAY 30 Wea.

Heard Gen Baub's &
Brackett at
a political meeting

Ther. THURSDAY, NOV. 1 Wea.

In Office

Ther.

FRI. NOV. 2, 1888

Wea.

At home
meeting
paid monthly
bills.

Ther

SATURDAY 3

Wea.

Ther.

SUN. NOV. 4, 1888

Wea.

At home Ella joined
the Church Mr. Serrinell
visited Frank -
Spoke for A.M. in
Evening -

Ther.

Nov. 6

~~Monday~~

Wea

Election day
Harrison Elected
Pres U. S. A.
I voted for him
first vote in
Abingdon 7, A.M.
Went to Rockport

Ther. TUES. NOV. 6, 1888 Wea.

Last night at Mrs
Boullet's - Call
Mr. Whipple. Mr. Richardson
Mrs. Mrs. B. Parsons
Mr. Leonard - Mr
Saunders - Mrs
Eben Gott - Mr
Neeman - night
Breakfast & Supper
at Mrs Boullet's -
Mr Dennis - Mr
Lidder - Hadley &
Aron - Mrs E. Brooks
Sunday Sea

Ther. WEDNESDAY 7 Wea.

Ther. THURS. NOV. 8, 1888 Wea.

At W Medford
4th Anniversary
of going there

Ther. FRIDAY 9 Wea.

Home Prayer
meeting

Ther. SAT. NOV. 10, 1888 Wea.

Lizzie came from
No. Hampton

Ther. SUNDAY 11 Wea.

Preached A.M. & Evng
on Peace attended
S. S. Y. P. C. E. meeting
at Mrs. Bates.

Lizzie R. & Susie
here

Ther. MON. NOV. 12, 1888 Wea.

In Office

Evangelical Alliance
made paper
Dr. J. Russell spoke
of Churches
Cooperating in the
same locality

Ther. TUESDAY 13 Wea.

In Office

Ther. WED. NOV. 14, 1888 Wea.

At Mr Chubbuck's
meeting at
W. Medford

Ther. THURSDAY 15 Wea.

A. H. Sager meeting
Rev. Clark D.D.
led.

"my meditations
of them shall be
great"

Ther. FRI. NOV. 16, 1888 Wea.

Ther. SATURDAY 17 Wea.

Ther. SUN. Nov. 18, 1888 Wea.

~~At~~ Action Mass
Miss
Rev G W Stearns

Ther. MONDAY 19 Wea.

Address by the
S. C. Gutterman
at meeting -

Ther. TUES. Nov. 20, 1888 Wea.

[Faint, mostly illegible handwritten notes]

Ther. WEDNESDAY 21 Wea.

[Faint, mostly illegible handwritten notes]

Ther. THURS. NOV. 22, 1888 Wea.

Call. Rev Dr Wagner
Messrs Tobey, Hitchcock
etc. called at
Office - calls in
Arlington - Judge Samuels -
Festenden. Tolman, Muzz
Charon. Mills. Lyon

Ther. FRIDAY 23 Wea.

Left Arlington for
meeting

Ther. SAT. NOV. 24, 1888 Wea.

Great storm tonight

Ther. SUNDAY 25 Wea.

Great storm all day
Holy Week
100. heart still
No evening meeting
at Arlington

Read Snow Banned
with children in
evening & sing
hymns
Helen Brooks
here

Ther. MON. Nov. 26, 1888 Wea.

Lesson Continued

Ex. Come Pilgrim
Hall. 2. Kelly

Note for Nammamook
in Maine - W.P.
Union & Mother

Ther. TUESDAY 27 Wea.

Lesson Continued

many medals on
the coast

Wanted Angel
of Peace

Helen B. Ellis &
Mrs H in office

Ther. WED. Nov. 28, 1888 Wea.

Clear day - In Office
Mr. Jones called
Walker & Hancock "

Sent off 45 Transcripts
to people & Pres -

Helen B. Ellis

Ther. THURSDAY 29 Wea.

Thanksgiving

Ther. FRI. NOV. 30, 1888

Wea.

Ther.

SUN. DEC. 2, 1888

Wea.

Reached at V. Medford
A.M. heard
Bible class

Ther. SATURDAY, DEC. 1

Wea.

Ther.

MONDAY 3

Wea.

Rev. E. Ford paid
me 10 off

Ther.

TUES. DEC. 4, 1888

Wea.

Ther.

THURS. DEC. 6, 1888

Wea.

Ther.

WEDNESDAY 5

Wea.

Ther.

FRIDAY 7

Wea.

Ther. SAT. DEC. 8, 1888 Wea.

Heard Rev Melank
Huntington - Ad. Henry
S. S. and Sampson

Ther. SUNDAY 9 Wea.

A

Ther. MON. DEC. 10, 1888 Wea.

Ther. TUESDAY 11 Wea.

11

Ther.

WED. DEC. 12, 1888

Wea.

Ther.

FRI. DEC. 14, 1888

Wea.

Left Boston at
9-15 P.M.
for Chicago
Mother died
at Glenox Hill
9-30 A.M.

Ther.

THURSDAY 13

Wea.

Ther.

SATURDAY 15

Wea.

In Office

Out

Ther. SUN. DEC. 16, 1888 Wea.

Arrived at
Glenview at
9-30
Church. 10-45
Funeral of
my mother
House 1 P.M.,
Church 1-30 P.M.,
Burial Rose Hill
3 P.M.

Ther. MONDAY 17 Wea.

Chicago &
Glenview

Ther. TUES. DEC. 18, 1888 Wea.

Chicago
Mama came from
Southampton

Ther. WEDNESDAY 19 Wea.

Led Roger
Watney

Ther. THURS. DEC. 20, 1888 Wea.

Glencoe

Ther. SAT. DEC. 22, 1888 Wea.

O. K. B.

Ther. FRIDAY 21 Wea.

On R.R. after
2:30

Ther. SUNDAY 23 Wea.

Arrived 10 A.M.
to live & write
to go to Church

Ther. MON. DEC. 24, 1888 Wea

In Office

Ther. WED. DEC. 26, 1888 Wea.

Bellevue's Ellen
helped mail

Ther. TUESDAY 25 Wea

~~Xmas~~ At
home all
day

Ther. THURSDAY 27 Wea.

In Office finished
mail by angels

Ther. FRI. DEC. 28, 1888 Wea.

In Office

Ther. SUN. DEC. 30, 1888 Wea.

Reached No Ch (eng)
Providence - P.S. &
Y. meeting
In coll 10. 326 -

Ther. SATURDAY 29 Wea.

In Office
marked Calendar

Ther. MONDAY 31 Wea.

In Office.
Sarah R. May
died -
Mott Julia
& B. Journal
Ella Hunt & W. Anderson
Helena Rowley
Porter

MEMORANDA

Mar 3 — P 230
 Imp main 1.10
 R.R. expenses 3.40
 R.R. fare to Smith 3.40
 Horse at W. .25
 " " H. .25
 " " A. .50
 Dinner at A. .50
 Horse at W. .50
 Sacks of hay 1.00
 Horse at H. 1.00
 Rubber .05
 meals Mrs. — .70
 Horse 1.00
 Rubber .75
 Stockings .42
 R.R. ticket
 Alton & John
 Ticket P .75
 Hack in road .75
 Shampoo .20
 Lunch .30
 Hotels 3.00
 Horse feeding 2.00
 Shirts, Stock 2.85

MEMORANDA

Receipts
 William Thompson 2.00
 Adv. stop 2
 Coll Baileyville 11.34
 L.B. H. Adv. 1.00
 Mr Bailey 2.00
~~Mr Thompson 2.00~~
 Mrs Wilson 1.00
 Mrs Swale 2.00
 Susan Labor Thompson
 Mr Carter Adv 2.00
 Coll Halcum ell 4.00
 Mrs Ginn 1.00
 Mrs Hubbard 1.00

MEMORANDA

MEMORANDA

See about gill
 & send to Haraboe

See about Mrs
 & write to Uncle
 L

See about my
 Grandmother's

See about
 Johnson paper
 Angel W Medford
 Apr 21

MEMORANDA

Letters at Glenora
From - Sox (2)
" Richards 3
O'Leary 2
David 1
Frank 1-

MEMORANDA

CASH ACCOUNT. MARCH.

| Date. | Journal | Received. | Paid. |
|-------|---------|-----------|-------|
|-------|---------|-----------|-------|

CASH ACCOUNT. MARCH.

| Date. | Journal | Received. | Paid. |
|-------|---------|-----------|-------|
|-------|---------|-----------|-------|

CASH ACCOUNT. APRIL.

| Date. | | Received. | Paid. | Date. |
|-------|--|-----------|-------|-------|
|-------|--|-----------|-------|-------|

CASH ACCOUNT. APRIL.

| Date. | | Received. | Paid. |
|-------|--|-----------|-------|
|-------|--|-----------|-------|

CASH ACCOUNT. JUNE

| Date. | Received. | Paid. |
|--------------------------|-----------|-------|
| 13 Books Post | 4 75 | |
| " Coal Bluff | 3 75 | |
| " Pork | 1 00 | |
| " Emily Herland | | |
| Shenwood, N.Y. St. Nerts | | |
| Wile Nile. | Recd | |
| 85, 86, 87 | 3 00 | |
| 14 A.J. Horn for | | |
| 25 Oil in wood | 22,50 | chk |
| 20 Shirts (6) | 8 50 | |
| 25 Stocking (6) | 2 75 | |
| " Meats | 3 00 | |
| " RR. lit | 1 25 | |
| " Baggage | 60 | |
| " RR. lit Bluff | 52 | |
| " Neck ties | 49 | |
| " Baggage | 35 | |
| 27 A.J. & Lew | 50 | |
| " Laundry | 50 | |
| " Oak Park | 15 00 | 15 00 |
| " Helen (chk) | 20 00 | |
| " Mother | | 10 00 |
| " " Soc | | 2 50 |
| " " Helen | | 15 00 |

CASH ACCOUNT. JUNE.

| Date. | Received. | Paid. |
|--------------------|-----------|-------|
| June. Mrs. Gray | 20 00 | |
| " " " | | 10 00 |
| " Helen P.R. | | 9 50 |
| " Henry W. Ch | 10 00 | |
| " H. W. Anderson | | 8 00 |
| " Hotel | | 2 10 |
| " James | | 56 |
| 10 Coll Phillips | 3 70 | |
| 11 Shirt &c | | 1 50 |
| " Helen fundus | 2 00 | |
| " Medicine " | | 1 45 |
| " O.R. to Leeds H. | | 3 00 |

CASH ACCOUNT. JULY.

| Date. | Part | Received. | Paid. |
|-------|----------------|-----------|-------|
| | Admitt | | |
| | H Howard | 1 00 | |
| | E. Gilman (A) | 2 00 | |
| | Glencoe Ch | 15 00 | |
| | | | fair |
| 2 | lunch | 55 | |
| " | Supper | 60 | |
| 3 | Lunch Dinner | 75 | Jas |
| " | do | 30 | |
| 4 | Breakfast | 75 | Car |
| " | Lunch | 55 | |
| " | Hotel | 2 00 | |
| 5 | R.R. Ticket | 5 25 | 10 75 |
| 6 | Dinner | 45 | |
| 7 | " | 35 | |
| 8 | " | 50 | |
| " | Porter | 35 | |
| " | Passage | 35 | |
| " | Omnibus | 10 | 2 4 |
| 3 | Niagara | 85 | 13 2 |
| " | R.R. to Leo R. | 23 00 | |
| " | R A Smith | 3 25 | |
| " | Omnibus | 20 | |
| " | Dinner | 75 | |
| " | Collar & Gties | 40 | |
| " | Shayings | 25 | |
| " | Papers | 20 | |

CASH ACCOUNT. JULY.

| Date. | Received. | Paid. | |
|-------|---------------|-------|-------|
| 2 | 208 33 | | |
| " | Helen ch | 20 00 | |
| " | Reck | 33 33 | |
| " | A.P. J. | 18 00 | |
| " | Helen | 50 00 | |
| " | R.B. H. | 25 00 | |
| " | 3300 ch | 30 00 | |
| " | Helen | 10 00 | |
| " | R.B. H. | 20 00 | |
| 8 | Am. E. Gilman | 2 00 | 2 1/2 |
| 12 | den Carey | 3 70 | " " " |
| " | Am. Ch | 5 00 | " " " |
| " | E. S. White | 2 00 | addn |
| " | R. Rodzman | 1 00 | addn |

CASH ACCOUNT. AUGUST.

| Date. | Description. | Received. | Paid. |
|-------|--------------|-----------|-------|
|-------|--------------|-----------|-------|

CASH ACCOUNT. AUGUST.

| Date. | Description. | Received. | Paid. |
|-------|--------------|-----------|-------|
|-------|--------------|-----------|-------|

CASH ACCOUNT. OCTOBER.

| Date. | Journal. | Received. | Paid. |
|-------|----------|-----------|-------|
|-------|----------|-----------|-------|

CASH ACCOUNT. OCTOBER.

| Date. | Journal. | Received. | Paid. |
|-------|----------|-----------|-------|
|-------|----------|-----------|-------|

BILLS PAYABLE. AUGUST.

BILLS PAYABLE. SEPTEMBER.

| Date. | NAME. | Dolls. | Cts. |
|-------|-------|--------|------|
|-------|-------|--------|------|

| | NAME. | Dolls. | Cts. |
|--|-------|--------|------|
|--|-------|--------|------|

RECEIVABLE.

RECEIVABLE.

BILLS PAYABLE. DECEMBER.

| Date. | NAME. | Dolls. | Cents. |
|-------|-------|--------|--------|
|-------|-------|--------|--------|

RECEIVABLE.

MEMORANDA.

| Dolls. | Cts. |
|--------|------|
|--------|------|

ADDRESSES.

NAME.

STREET, No.

CITY.

ADDRESSES.

NAME.

STREET, No.

CITY.

ADDRESSES.

NAME.

STREET, No.

CITY.

George Prince

Perm Arc 2 11th SC

Photo. Sec. & Min. of Bagfield, Wis.
Washington D.C.

