Reuben Fowkes

Reuben Fowkes

Reuben Fowkes

R Fowkes

15 Tons
9 at

$135

gum boots
tea pot
coffe
chair bottoms

850
15

4250
850

27.50

Bill & Dimond 1
Charly & Tom 2
Bess & Gray 3
Darly & Pet 4

2 5 3 2
2 2 5 6
2 5 2 5
1 4 8
1 5 2 5 8 4

12
1262½
950
2212½

# THE STANDARD DIARY

PUBLISHED FOR THE TRADE

# CALENDAR.

## 1891.

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

| FEB. | Sun. | Mon. | Tues. | Wed. | Thurs. | Fri. | Sat. |
|---|---|---|---|---|---|---|---|
| | .. | .. | .. | .. | .. | .. | 1 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| | 22 | 23 | 24 | 25 | 26 | 27 | 28 |

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

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

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

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

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

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

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

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

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

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

# WEIGHTS AND MEASURES.

## MEASURE OF LENGTH.

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

60 Geographical Miles make 1 Degree.

1760 Yards } = 1 Mile.
5280 Feet }

## MEASURE OF SURFACE.

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

## MEASURE OF SOLIDITY.

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

## AVOIRDUPOIS WEIGHT.

27½ Grains make 1 Drachm (dr.) or 27½ Grains.
16 Drachms " 1 Ounce (oz.) or 437½ "
16 Ounces " 1 Pound (lb.) or 7000 "
28 Pounds " 1 Quarter (qr.)
4 Quarters " 1 Hundred-Weight (cwt.)
20 Cwts. " 1 Ton.
2240 Pounds " 1 Ton.

## TROY WEIGHT.

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

## APOTHECARIES' WEIGHT.

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

## DIAMOND WEIGHT.

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

## LIQUID MEASURE.

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

## DRY MEASURE.

8 Quarts make 1 Peck.
4 Pecks " 1 Bushel.
8 Bushels make 1 Quarter.
36 Bushels " 1 Chaldron.
1 Bushel equal to 2150.42 cubic inches.

# 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, shel'd | 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 | 32 | 60 | 56 | 60 | .. | .. | .. | .. | .. |
| Connecticut | .. | 45 | .. | 56 | .. | .. | 32 | 60 | 56 | 56 | .. | .. | .. | .. | .. |
| New York | 48 | 48 | .. | 58 | .. | .. | 32 | 60 | 56 | 60 | .. | .. | 62 | 60 | 44 |
| New Jersey | 48 | 50 | .. | 56 | .. | .. | 30 | 60 | 56 | 60 | .. | .. | .. | 64 | .. |
| Pennsylvania | 47 | 48 | .. | 56 | .. | .. | 30 | 56 | 56 | 60 | 85 | .. | .. | 62 | .. |
| Delaware | .. | .. | .. | 56 | .. | .. | .. | .. | .. | 60 | .. | .. | .. | .. | .. |
| Maryland | 48 | 48 | .. | 56 | .. | 57 | 32 | 60 | 56 | 60 | 56 | .. | 62 | 64 | 45 |
| Dist. Columbia | 47 | 48 | .. | 56 | 48 | 57 | 32 | 56 | 56 | 60 | 50 | 55 | 62 | 60 | 45 |
| Virginia | 48 | 48 | .. | 56 | 50 | .. | 32 | 60 | 56 | 60 | .. | 56 | 60 | 64 | 45 |
| West Virginia | 48 | 52 | 80 | 56 | 48 | .. | 32 | 60 | 56 | 60 | .. | 60 | 60 | 60 | 45 |
| North Carolina | 48 | 50 | .. | 54 | 46 | .. | 30 | .. | 56 | 60 | .. | .. | .. | 64 | .. |
| South Carolina | 48 | 56 | 80 | 56 | 50 | 57 | 33 | 60 | 56 | 60 | 50 | .. | 60 | 60 | .. |
| Georgia | 40 | .. | 80 | 56 | 48 | 57 | 35 | 56 | .. | 60 | 56 | .. | .. | 60 | 45 |
| Louisiana | 32 | .. | .. | 56 | .. | .. | 32 | .. | .. | 60 | .. | .. | .. | .. | .. |
| Arkansas | 48 | 52 | 80 | 56 | 50 | 57 | 32 | 60 | 56 | 60 | 50 | .. | 60 | 60 | 45 |
| Tennessee | 48 | 50 | .. | 56 | 50 | 56 | 32 | 60 | 56 | 60 | .. | .. | 60 | .. | 45 |
| Kentucky | 48 | 52 | .. | 56 | 50 | 57 | 33 | 56 | 56 | 60 | 50 | .. | 60 | 60 | 45 |
| Ohio | 48 | 50 | .. | 56 | .. | .. | 32 | 60 | 56 | 60 | .. | .. | 60 | 60 | 45 |
| Michigan | 48 | 48 | 80 | 56 | .. | 54 | 32 | 60 | 56 | 60 | 56 | 58 | 60 | 60 | 45 |
| Indiana | 48 | 50 | 70 | 56 | 50 | 48 | 32 | 60 | 56 | 60 | 50 | .. | 60 | 60 | .. |
| Illinois | 48 | 52 | .. | 56 | 48 | 57 | 32 | 60 | 56 | 60 | 50 | .. | 60 | 60 | .. |
| Wisconsin | 48 | 50 | .. | 56 | .. | .. | 32 | 60 | 56 | 60 | .. | .. | .. | 60 | .. |
| Minnesota | 48 | 42 | .. | 56 | .. | .. | 32 | 60 | 56 | 60 | .. | .. | .. | 60 | .. |
| Iowa | 48 | 52 | .. | 56 | .. | 57 | 33 | 60 | 56 | 60 | 50 | .. | 60 | 60 | 45 |
| Missouri | 48 | 52 | .. | 56 | .. | 57 | 32 | 60 | 56 | 60 | 50 | .. | 60 | 60 | 45 |
| Kansas | 50 | 50 | .. | 56 | 50 | 57 | 32 | 60 | 56 | 60 | 50 | 55 | 60 | .. | 45 |
| Nebraska | 48 | 52 | .. | 56 | 50 | 57 | 34 | 60 | 56 | 60 | 50 | 55 | 60 | 60 | 45 |
| California | 50 | 40 | .. | 52 | .. | .. | 32 | .. | 54 | 60 | .. | .. | .. | .. | .. |
| Oregon | 46 | 42 | .. | 56 | .. | .. | 36 | 60 | 56 | 60 | .. | .. | 60 | .. | .. |

# INTEREST TABLE.

## 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 | ½ | 3½ | 33 |
| 5 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ½ | ½ | ½ | 5½ | 56 |
| 10 " | 0 | 0 | 0 | ½ | ½ | ½ | 1 | 1 | 1 | 1 | 11 | 1 11 |
| 1 MO. | 0 | ½ | 1 | 1⅓ | 1½ | 2 | 2⅓ | 2⅔ | 3 | 3⅓ | 33 | 3 33 |
| 2 " | ½ | 1½ | 2 | 2⅔ | 3½ | 4 | 4⅔ | 5⅓ | 6 | 6⅔ | 67 | 6 67 |
| 3 " | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 1 00 | 10 00 |
| 4 " | 1½ | 2½ | 4 | 5⅓ | 6½ | 8 | 9⅓ | 10⅔ | 12 | 13½ | 1 33 | 13 33 |
| 6 " | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 2 00 | 20 00 |
| 9 " | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 3 00 | 30 00 |
| 1 YR. | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 | 4 00 | 40 00 |

## FIVE PER CENT.

| TIME. | $1 | $2 | $3 | $4 | $5 | $6 | $7 | $8 | $9 | $10 | $100 | $1000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 DY. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 |
| 3 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 42 |
| 5 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 7 | 69 |
| 10 " | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1½ | 14 | 1 39 |
| 1 MO. | ½ | 1 | 1 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 42 | 4 17 |
| 2 " | 1 | 1½ | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 8 | 83 | 8 33 |
| 3 " | 1 | 2½ | 4 | 5 | 6 | 8 | 9 | 10 | 11 | 13 | 1 25 | 12 50 |
| 4 " | 1⅓ | 3 | 5 | 7 | 8 | 10 | 12 | 13 | 15 | 17 | 1 67 | 16 67 |
| 6 " | 2⅔ | 5 | 8 | 10 | 13 | 15 | 18 | 20 | 23 | 25 | 2 50 | 25 00 |
| 9 " | 3¾ | 7½ | 11 | 15 | 19 | 23 | 26 | 30 | 34 | 38 | 3 75 | 37 50 |
| 1 YR. | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 5 00 | 50 00 |

## SIX PER CENT.

| TIME. | $1 | $2 | $3 | $4 | $5 | $6 | $7 | $8 | $9 | $10 | $100 | $1000 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 DY. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 17 |
| 3 " | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 50 |
| 5 " | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 8 | 83 |
| 10 " | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 17 | 1 67 |
| 1 MO. | ½ | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 50 | 5 00 |
| 2 " | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 1 00 | 10 00 |
| 3 " | 1½ | 3 | 5 | 6 | 8 | 9 | 11 | 12 | 14 | 15 | 1 50 | 15 00 |
| 4 " | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 2 00 | 20 00 |
| 6 " | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 3 00 | 30 00 |
| 9 " | 4½ | 9 | 14 | 18 | 23 | 27 | 32 | 36 | 41 | 45 | 4 50 | 45 00 |
| 1 YR. | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 | 6 00 | 60 00 |

# 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% | 10% |
|---|---|---|---|---|---|---|---|---|
| $50 | 6 00 | 8 00 | 10 00 | 12 00 | 14 00 | 16 00 | 18 00 | 20 00 |
| 55 | 5 45 | 7 27 | 9 09 | 10 90 | 12 72 | 14 55 | 16 36 | 18 18 |
| 60 | 5 00 | 6 67 | 8 33 | 10 00 | 11 66 | 13 33 | 15 00 | 16 16 |
| 65 | 4 62 | 6 15 | 7 69 | 9 23 | 10 76 | 12 30 | 13 85 | 15 38 |
| 70 | 4 28 | 5 71 | 7 14 | 8 57 | 10 00 | 11 42 | 12 85 | 14 28 |
| 75 | 4 00 | 5 33 | 6 66 | 8 00 | 9 33 | 10 66 | 12 00 | 13 35 |
| 80 | 3 75 | 5 00 | 6 25 | 7 50 | 8 75 | 10 00 | 11 25 | 12 50 |
| 85 | 3 53 | 4 70 | 5 88 | 7 05 | 8 23 | 9 41 | 10 58 | 11 76 |
| 90 | 3 33 | 4 44 | 5 55 | 6 66 | 7 77 | 8 88 | 10 00 | 11 11 |
| 91 | 3 30 | 4 40 | 5 49 | 6 59 | 7 69 | 8 79 | 9 89 | 10 99 |
| 92 | 3 26 | 4 34 | 5 43 | 6 52 | 7 60 | 8 70 | 9 78 | 10 87 |
| 93 | 3 23 | 4 30 | 5 38 | 6 45 | 7 53 | 8 60 | 9 68 | 10 75 |
| 94 | 3 19 | 4 26 | 5 32 | 6 38 | 7 45 | 8 51 | 9 57 | 10 64 |
| 95 | 3 15 | 4 21 | 5 26 | 6 31 | 7 36 | 8 42 | 9 47 | 10 52 |
| 96 | 3 13 | 4 17 | 5 21 | 6 25 | 7 29 | 8 33 | 9 38 | 10 42 |
| 97 | 3 09 | 4 12 | 5 15 | 6 18 | 7 22 | 8 25 | 9 28 | 10 30 |
| 98 | 3 06 | 4 08 | 5 10 | 6 12 | 7 14 | 8 16 | 9 18 | 10 20 |
| 99 | 3 03 | 4 04 | 5 05 | 6 06 | 7 07 | 8 08 | 9 09 | 10 10 |
| 101 | 2 97 | 3 96 | 4 95 | 5 94 | 6 93 | 7 92 | 8 91 | 9 90 |
| 102 | 2 94 | 3 92 | 4 90 | 5 88 | 6 86 | 7 84 | 8 82 | 9 80 |
| 103 | 2 91 | 3 88 | 4 85 | 5 83 | 6 80 | 7 77 | 8 74 | 9 71 |
| 104 | 2 88 | 3 85 | 4 81 | 5 77 | 6 73 | 7 69 | 8 65 | 9 62 |
| 105 | 2 85 | 3 80 | 4 76 | 5 71 | 6 66 | 7 61 | 8 57 | 9 52 |
| 106 | 2 83 | 3 77 | 4 72 | 5 66 | 6 60 | 7 55 | 8 49 | 9 43 |
| 107 | 2 80 | 3 74 | 4 67 | 5 61 | 6 54 | 7 48 | 8 41 | 9 35 |
| 108 | 2 78 | 3 70 | 4 63 | 5 56 | 6 48 | 7 41 | 8 33 | 9 26 |
| 109 | 2 75 | 3 67 | 4 59 | 5 50 | 6 42 | 7 34 | 8 26 | 9 17 |
| 110 | 2 72 | 3 63 | 4 54 | 5 45 | 6 36 | 7 27 | 8 18 | 9 09 |
| 115 | 2 60 | 3 48 | 4 34 | 5 21 | 6 08 | 6 95 | 7 83 | 8 69 |
| 120 | 2 50 | 3 33 | 4 16 | 5 00 | 5 83 | 6 66 | 7 50 | 8 33 |
| 130 | 2 30 | 3 07 | 3 84 | 4 61 | 5 38 | 6 15 | 6 92 | 7 69 |
| 140 | 2 14 | 2 85 | 3 57 | 4 28 | 5 00 | 5 71 | 6 43 | 7 14 |
| 150 | 2 00 | 2 67 | 3 33 | 4 00 | 4 66 | 5 33 | 6 00 | 6 66 |
| 160 | 1 88 | 2 50 | 3 12 | 3 75 | 4 38 | 5 00 | 5 62 | 6 25 |
| 170 | . . | . . | . . | 3 53 | 4 12 | 4 70 | 5 29 | 5 88 |
| 180 | . . | . . | . . | 3 33 | 3 88 | 4 44 | 5 00 | 5 55 |
| 190 | . . | . . | . . | 3 16 | 3 68 | 4 21 | 4 74 | 5 26 |
| 200 | . . | . . | . . | 3 00 | 3 50 | 4 00 | 4 50 | 5 00 |

# RATES OF POSTAGE.

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

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

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

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

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

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 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 Tides are given in Standard Time.

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

### Standard Time Divisions as adopted by the Railroads.

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

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

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

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

### Correction for the following Cities.

#### Eastern Standard.

75° Longitude.

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

#### Central Standard.

90° Longitude.

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

#### Mountain Standard.

105° Longitude.

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

#### Pacific Standard.

120° Longitude.

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

## PRESIDENTS OF THE UNITED STATES.

| No. | NAMES. | Born. | Inaugurated. | Term of Office. | Died. | Native of | Residence when elected. | Political Party. |
|---|---|---|---|---|---|---|---|---|
| 1 | George Washington | Feb. 22, 1732 | April 30, 1789 | 8 years. | Dec. 14, 1799 | Virginia. | Virginia. | Federal. |
| 2 | John Adams | Oct. 31, 1735 | Mar. 4, 1797 | 4 " | July 4, 1826 | Mass. | Mass. | " |
| 3 | Thomas Jefferson | April 2, 1743 | " 4, 1801 | 8 " | " 4, 1826 | Virginia. | Virginia. | Republican. |
| 4 | James Madison | Mar. 16, 1751 | " 4, 1809 | 8 " | June 28, 1836 | " | " | " |
| 5 | James Monroe | April 28, 1758 | " 4, 1817 | 8 " | July 4, 1831 | " | " | " |
| 6 | John Quincy Adams | July 11, 1767 | " 4, 1825 | 4 " | Feb. 23, 1848 | Mass. | Mass. | Coalition. |
| 7 | Andrew Jackson | Mar. 15, 1767 | " 4, 1829 | 8 " | June 8, 1845 | S. Carolina. | Tennessee. | Democrat. |
| 8 | Martin Van Buren | Dec. 5, 1782 | " 4, 1837 | 4 " | July 24, 1862 | New York. | New York. | " |
| 9 | Wm. H. Harrison | Feb. 9, 1773 | " 4, 1841 | 1 month | April 4, 1841 | Virginia. | Ohio. | Whig. |
| 10 | John Tyler | Mar. 29, 1790 | April 6, 1841 | 3 yrs. 11 mos. | Jan. 18, 1862 | " | Virginia. | " |
| 11 | James K. Polk | Nov. 2, 1795 | Mar. 4, 1845 | 4 years. | June 15, 1849 | N. Carolina. | Tennessee. | Democrat. |
| 12 | Zachary Taylor | Sept. 24, 1784 | " 4, 1849 | 1 year 4 mos. | July 9, 1850 | Virginia. | Louisiana. | Whig. |
| 13 | Millard Fillmore | Feb. 7, 1800 | July 9, 1850 | 2 years 8 mos. | Mar. 7, 1874 | New York. | New York. | " |
| 14 | Franklin Pierce | Nov. 23, 1804 | Mar. 4, 1853 | 4 years. | Oct. 8, 1869 | N. Hamp. | N. Hamp. | Democrat. |
| 15 | James Buchanan | April 23, 1791 | " 4, 1857 | " | June 1, 1868 | Penn. | Penn. | " |
| 16 | Abraham Lincoln | Feb. 12, 1809 | " 4, 1861 | 4 yrs. 40 days. | April 15, 1865 | Kentucky. | Illinois. | Republican. |
| 17 | Andrew Johnson | Dec. 29, 1808 | April 15, 1865 | 3 yrs. 10½ mos. | July 31, 1875 | N. Carolina. | Tennessee. | " |
| 18 | Ulysses S. Grant | April 27, 1822 | Mar. 4, 1869 | 8 years. | July 23, 1885 | Ohio. | Illinois. | " |
| 19 | Rutherf'd B. Hayes | Oct. 4, 1822 | " 5, 1877 | 4 " | ..... | " | Ohio. | " |
| 20 | James A. Garfield | Nov. 19, 1831 | " 4, 1881 | 6½ months. | Sept. 19, 1881 | " | " | " |
| 21 | Chester A. Arthur | Oct. 5, 1830 | Sept. 20, 1881 | 3 yrs. 5½ mos. | Nov. 18, 1886 | Vermont. | New York. | " |
| 22 | Grover Cleveland | Mar. 18, 1837 | Mar. 4, 1885 | 4 years. | ..... | New Jersey. | " " | Democrat. |
| 23 | Benjamin Harrison | Aug. 20, 1833 | " 4, 1889 | ..... | ..... | Ohio. | Indiana. | Republican. |

# HELP! In case of Accidents.

**Drowning.** 1. Loosen clothing, if any. 2. Empty lungs of water by laying body on its stomach and lifting it by the middle so that the head hangs down. Jerk the body a few times. 3. Pull tongue forward, using handkerchief, or pin with string, if necessary. 4. Imitate motion of respiration by alternately compressing and expanding the lower ribs, about twenty times a minute. Alternately raising and lowering the arms from the sides up above the head will stimulate the action of the lungs. Let it be done gently but persistently. 5. Apply warmth and friction to extremities. 6. By holding tongue forward, closing the nostrils and pressing the "Adam's apple" back, (so as to close entrance to stomach), direct inflation may be tried. Take a deep breath and breathe it forcibly into the mouth of patient, compress the chest to expel the air, and repeat the operation. 7. DON'T GIVE UP! People have been saved after HOURS of patient, vigorous effort. 8. When breathing begins, get patient into a warm bed, give WARM drinks, or spirits in teaspoonfuls, fresh air and quiet.

**Burns and Scalds.** Cover with Cooking Soda and lay wet cloths over it. Whites of Eggs and Olive Oil. Olive or Linseed Oil, plain, or mixed with Chalk or Whiting.

**Lightning.** Dash cold water over a person struck.

**Sunstroke.** Loosen clothing. Get patient into shade and apply ice-cold water to head.

**Mad Dog or Snake Bite.** Tie cord tight above wound. Suck the wound and cauterize with caustic or white-hot iron at once, or cut out adjoining parts with a sharp knife.

**Venomous Insects Stings, &c.** Apply weak Ammonia, Oil, Salt Water, or Iodine.

**Fainting.** Place flat on back; allow fresh air and sprinkle with water.

**Tests of Death.** Hold mirror to mouth. If living, moisture will gather. Push pin into flesh. If dead the hole will remain, if alive it will close up.

**Cinders in the Eye.** Roll soft paper up like a lamp lighter and wet the tip to remove, or use a medicine dropper to draw it out. Rub the *other* eye.

**Fire in one's Clothing.** *Don't run,*—especially not down stairs or out of doors. Roll on carpet, or wrap in woolen rug or blanket. Keep the head down, so as not to inhale flame.

**Fire in a Building.** Crawl on the floor. The clearest air is the lowest in the room. Cover head with a woolen wrap, wet if possible. Cut holes for the eyes. Don't get excited.

**Fire in Kerosene.** *Don't use water*, it will spread the flames. Dirt, sand or flour is the best extinguisher; or smother with woolen rug, table-cloth or carpet.

**Suffocation from inhaling Burning-Gas.** Get into the fresh air as soon as possible and lie down. Keep warm. Take Ammonia,—twenty drops to a tumbler of water, at frequent intervals.

# ANTIDOTES FOR POISONS.

**First.** Send for a Physician.

**Second.** INDUCE VOMITING, by tickling throat with feather or finger. Drinking hot water or strong Mustard and water. Swallow Sweet Oil or whites of Eggs.

**Acids** are antidotes for ALKALIES, and *vice versa.*

## SPECIAL POISONS AND ANTIDOTES.

| | |
|---|---|
| **Acids.** MURIATIC, OXALIC. ACETIC. SULPHURIC (Oil of Vitriol). NITRIC (Aqua Fortis). | Soap-suds, Magnesia, Lime-water. |
| **Prussic Acid.** | Ammonia in water. Dash water in face. |
| **Carbolic Acid.** | Flour and water, mucilaginous drinks. |
| **Alkalies.** POTASH. LYE. HARTSHORN. AMMONIA. | Vinegar or Lemon juice in water. |
| **Arsenic. Rat Poison. Paris Green.** | Milk, Raw Eggs, Sweet Oil, Lime-water, Flour and water. |
| **Bug Poison. Lead. Saltpetre. Corrosive Sublimate. Sugar of Lead. Blue Vitriol.** | Whites of Eggs or Milk in large doses. |
| **Chloroform. Chloral. Ether.** | Dash cold water on head and chest. Artificial respiration. Piece of ice in rectum. |
| **Carbonate of Soda. Copperas. Cobalt.** | Soap-suds and mucilaginous drinks. |
| **Iodine. Antimony. Tartar Emetic.** | Starch and water. Astringent infusions. Strong tea. |
| **Mercury** AND ITS SALTS. | Whites of Eggs. Milk. Mucilages. |
| **Nitrate of Silver. Lunar Caustic.** | Salt and water. |
| **Opium. Morphine. Laudanum. Paregoric. Soothing Powders or Syrups.** | Strong coffee, hot bath. Keep awake and moving at any cost. |
| **Strychnine. Tinct. of Nux Vomica.** | Mustard and water, Sulphate of Zinc. Absolute quiet. Plug the ears. |

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

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

## DISPLAY EXAMPLES.

Fair Weather, Colder.

Warmer. Rain or Snow.

Warmer, Fair Weather, followed by Rain or Snow.

Fair Weather, Cold Wave.

## 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 and 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. |
| Dist. of Columbia | 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 | 18 per ct. |
| Illinois | Forfeiture of all interest | 6 | 8 per ct. |
| Indiana | Forfeiture of interest 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 cent. | 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 judgments | 6 | No limit. |
| Michigan | Forfeiture of excess | 7 | 10 per ct. |
| Minnesota | Forfeiture of contract | 7 | 10 per ct. |
| Mississippi | Forfeiture of all interest | 6 | 10 per ct. |
| Missouri | Forfeiture of all interest | 6 | 10 per ct. |
| Montana | No penalty | 10 | No limit. |
| Nebraska | Forfeiture of all interest and costs | 7 | 10 per ct. |
| Nevada | No penalty | 10 | No limit. |
| New Hampshire | Forfeiture of 3 times excess of interest | 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 am't of interest | 6 | 8 per ct. |
| Ohio | Forfeiture of excess | 6 | 8 per ct. |
| Oregon | Forfeiture of principal, int. and 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 ct. 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, 1890, in compliance with the above stated provisions of law.

| COUNTRY. | MONETARY UNIT. | STANDARD. | VALUE. D. C. M. |
|---|---|---|---|
| Argentine Republic | Peso | Gold & Silver | 0 96 5 |
| Austria | Florin | Silver | 0 34 3 |
| Belgium | Franc | Gold & Silver | 0 19 3 |
| Bolivia | Boliviano | Silver | 0 69 8 |
| Brazil | Milreis of 1000 reis. | Gold | 0 54 6 |
| British America | Dollar | Gold | 1 0 0 |
| Central American States | Peso | Silver | 0 69 8 |
| Chili | Peso | Gold & Silver | 0 91 2 |
| China | Tael.. (Shanghai.. Haikwan.. (Customs). | Silver | 1 3 1<br>1 14 8 |
| Cuba | Peso | Gold & Silver | 0 92 6 |
| Denmark | Crown | Gold | 0 26 8 |
| Ecuador | Sucre | Silver | 0 69 8 |
| Egypt | Pound (100 piastres) | Gold | 4 94 3 |
| France | Franc | Gold & Silver | 0 19 3 |
| German Empire | Mark | Gold | 0 23 8 |
| Great Britain | Pound sterling | Gold | 4 86 6½ |
| Greece | Drachma | Gold & Silver | 0 19 3 |
| Hayti | Gourde | Gold & Silver | 0 96 5 |
| India | Rupee of 16 annas. | Silver | 0 33 2 |
| Italy | Lira | Gold & Silver | 0 19 3 |
| Japan | Yen | Gold | 0 99 7 |
| Japan | Yen | Silver | 0 75 2 |
| Liberia | Dollar | Gold | 1 0 0 |
| Mexico | Dollar | Silver | 0 75 8 |
| Netherlands | Florin | Gold & Silver | 0 40 2 |
| Norway | Crown | Gold | 0 26 8 |
| Peru | Sol | Silver | 0 69 8 |
| Portugal | Milreis of 1000 reis. | Gold | 1 8 0 |
| Russia | Roubl. of 100 cop'ks | Silver | 0 55 8 |
| Spain | Peseta of 100 centim. | Gold & Silver | 0 19 3 |
| Sweden | Crown | Gold | 0 26 8 |
| Switzerland | Franc | Gold & Silver | 0 19 3 |
| Tripoli | Mahbub of 20 piast's | Silver | 0 62 9 |
| Turkey | Piastre | Gold | 0 4 4 |
| United States of Colombia | Peso | Silver | 0 69 8 |
| Venezuela | Bolivar | Silver | 0 14 0 |

# 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.

## FESTIVALS AND FASTS.

| | | |
|---|---|---|
| Epiphany, | Jan. | 6 |
| Septuagesima Sunday, | Jan. | 25 |
| Quinquagesima—Shrove Sunday, | Feb. | 8 |
| Ash Wednesday, | Feb. | 11 |
| First Sunday in Lent, | Feb. | 15 |
| St. Patrick, | Mar. | 17 |
| Palm Sunday, | Mar. | 22 |
| Good Friday, | Mar. | 27 |
| Easter Sunday, | Mar. | 29 |
| Low Sunday, | April | 5 |
| Rogation Sunday, | May | 3 |
| Ascension Day—Holy Thursday, | May | 7 |
| Pentecost—Whit Sunday, | May | 17 |
| Trinity Sunday, | May | 24 |
| Corpus Christi, | May | 28 |
| St. John Baptist, | June | 24 |
| Michælmas Day, | Sept. | 29 |
| First Sunday in Advent, | Nov. | 29 |
| St. Andrew, | Nov. | 30 |
| Christmas Day, | Dec. | 25 |

## MORNING AND EVENING STARS.

MERCURY will be Morning Star about February 6, June 5, and September 28; and Evening Star about April 18, August 16, and December 11.

VENUS will be Morning Star till September 18; and Evening Star the rest of the year.

JUPITER will be Evening Star till February 13; then Morning Star till September 5; and Evening Star again the rest of the year.

## CHRONOLOGICAL CYCLES.

| | |
|---|---|
| Dominical Letter | D |
| Epact | 20 |
| Lunar Cycle, or Golden Number | 11 |
| Solar Cycle | 24 |
| Roman Indiction | 4 |
| Julian Period | 6604 |

## ECLIPSES FOR THE YEAR.

IN the year 1891 there will be four Eclipses,—two of the Sun and two of the Moon; and a Transit of Mercury over the Sun's Disc.

I. A TOTAL ECLIPSE OF THE MOON, May 23. Invisible. Visible more or less to Europe, Asia, Africa, Australia, the western Pacific and south Atlantic Oceans.

II. AN ANNULAR ECLIPSE OF THE SUN, June 6. Visible to North America, as a partial Eclipse, north and west of a line drawn from the mouth of the St. Lawrence River, through Ottawa, Detroit, St. Louis, Dallas, (Tex.), and Sinaloa, (Mexico); to Europe, Siberia and the Arctic Ocean. Being annular in Siberia and adjacent Arctic Ocean. Occurring as follows: —

| | Standard. | Begins. | Ends. | Digits Eclipsed. |
|---|---|---|---|---|
| | | H. M. | H. M. | |
| Chicago | Central | 9 8 M. | 9 46 M. | Small. |
| St. Louis | " | 9 8 M. | 9 24 M. | Slight. |
| Omaha | " | 8 41 M. | 9 33 M. | 2 |
| St. Paul | " | 8 46 M. | 10 11 M. | 2 |
| Bismarck | Mountain | 7 36 M. | 9 18 M. | 3 |
| Denver | " | 7 25 M. | 8 50 M. | 2 |
| Salt Lake City | " | 7 19 M. | 8 58 M. | 3 |

III. A TOTAL ECLIPSE OF THE MOON, November 15. Visible more or less to Europe, Asia, Africa, North and South America, Atlantic and eastern Pacific Oceans. Occurring as follows: —

| | Eastern Standard. | Central Standard. | Mountain Standard. |
|---|---|---|---|
| | D. H. M. | D. H. M. | D. H. M. |
| Moon enters Penumbra | 15 4 36 A. | Invisible. | Invisible. |
| Moon enters Shadow | 15 5 35 A. | 15 4 35 A. | Invisible. |
| Total Eclipse begins | 15 6 37 A. | 15 5 37 A. | 15 4 37 A. |
| Middle of Eclipse | 15 7 19 A. | 15 6 19 A. | 15 5 19 A. |
| Total Eclipse ends | 15 8 1 A. | 15 7 1 A. | 15 6 1 A. |
| Moon leaves Shadow | 15 9 3 A. | 15 8 3 A. | 15 7 3 A. |
| Moon leaves Penumbra | 15 10 2 A. | 15 9 2 A. | 15 8 2 A. |

First contact of shadow 55 degrees from north point of the Moon's limb toward the east.

Magnitude of Eclipse = 1.393, (Moon's diameter =1).

IV. A PARTIAL ECLIPSE OF THE SUN, December 1 Invisible. Visible around the South Pole and the southern extremity of South America.

A TRANSIT OF MERCURY, May 9. Visible more or less to North America west of Maine and Quebec, Europe, Asia, eastern Africa, Australia and Pacific Ocean. Occurring as follows: —

| | Ingress |
|---|---|
| Eastern Standard | 9d. 6h. 54m. A. |
| Central Standard | 9d. 5h. 54m. A. |
| Mountain Standard | 9d. 4h. 54m. A. |

Angle of contact at Ingress 64 degrees from the south point of the Sun's limb toward the east. Egress,—after sunset.

# TIDE TABLE

(The following values are derived from late determinations of the UNITED STATES COAST SURVEY.)

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

| EASTERN STANDARD. | | H. | M. | Mean range. Feet. |
|---|---|---|---|---|
| Eastport, Me. | add | 2 | 33 | 18.2 |
| Bar Harbor, Me. | " | 2 | 27 | 10.4 |
| Portland, Me. | " | 2 | 55 | 9.1 |
| Portsmouth, N. H. | " | 3 | 3 | 8.6 |
| Isle of Shoals, N. H. | " | 2 | 57 | 8.7 |
| Newburyport, Mass. | " | 3 | 16 | 7.5 |
| Gloucester, Mass. | " | 2 | 44 | 8.9 |
| Salem, Mass. | " | 2 | 54 | 9.2 |
| Nahant, Mass. | " | 2 | 50 | 9.4 |
| Plymouth, Mass. | " | 2 | 59 | 10.2 |
| Provincetown, Mass. | " | 3 | 0 | 9.2 |
| Nantucket, Mass. | " | 4 | 15 | 3.0 |
| Vineyard Haven, Mass. | " | 3 | 32 | 1.6 |
| Wood's Hole, North Side, Mass. | sub. | 0 | 21 | 4.0 |
| Wood's Hole, South Side, Mass. | add | 0 | 14 | 1.6 |
| New Bedford Entrance (Dumpling Rock), Mass. | sub. | 0 | 20 | 3.7 |
| Newport, R. I. | " | 0 | 33 | 3.9 |
| Point Judith, R. I. | " | 0 | 45 | 3.1 |
| Sandy Hook, N. J. | " | 0 | 32 | 4.7 |
| Watch Hill, R. I. | add | 0 | 44 | 2.7 |
| Stonnington, Conn. | " | 0 | 52 | 2.7 |
| New London, Conn. | " | 1 | 14 | 2.6 |
| 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 | 36 | 6.0 |
| Annapolis, Md. | sub. | 3. | 19 | 0.9 |
| Baltimore, Md. | " | 1 | 24 | 1.3 |
| Richmond, Va. | " | 3 | 25 | 3.6 |
| Hatteras Inlet, N. C. | " | 0 | 56 | 2.0 |
| Beaufort, N. C. | " | 0 | 35 | 2.8 |
| Charleston (C. H. Wharf), S. C. | " | 0 | 19 | 5.1 |
| **CENTRAL STANDARD.** | | | | |
| Fort Pulaski (Savannah Ent.), Ga. | " | 1 | 21 | 6.9 |
| Savannah (Dry Dock Wharf), Ga. | " | 0 | 26 | 6.5 |
| St. Augustine, Fla. | " | 0 | 17 | 4.2 |
| Key West, Fla. | add | 0 | 26 | 1.2 |
| Tampa Bay (Egmont Key), Fla. | " | 2 | 49 | 1.4 |
| Cedar Keys (Depot Key), Fla. | " | 4 | 52 | 2.6 |

# JANUARY

| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---|---|---|
| LAST QUARTER..... | 3d. 5h. 12m. A.M. | 3d. 4h. 12m. A.M. |
| NEW MOON..... | 10d. 10h. 24m. A.M. | 10d. 9h. 24m. A.M. |
| FIRST QUARTER..... | 17d. 1h. 17m. A.M. | 17d. 0h. 17m. A.M. |
| FULL MOON..... | 24d. 7h. 25m. P.M. | 24d. 6h. 25m. P.M. |

| 1891 | | BOST. & CHI. Local Mean Time. | | BOSTON TIDE. Standard Time. | | | N. Y. & PHILA. Local Mean Time. | | NEW YORK TIDE. Standard Time. | |
|---|---|---|---|---|---|---|---|---|---|---|
| D. of M. | Day of Wk. | SUN R. & S. | MOON R. & S. | Morning. | Evening. | Day of Mo. | SUN R. & S. | MOON R. & S. | Morning. | Evening. |
| 1 | TH. | 7 30 | 10 52 | 3 13 | 3 33 | 1 | 7 25 | 10 53 | 0 11 | 0 31 |
| 2 | FR. | 4 39 | 11 53 | 3 54 | 4 16 | 2 | 4 44 | 11 53 | 0 53 | 1 15 |
| 3 | SA. | 7 30 | morn | 4 39 | 5 2 | 3 | 7 25 | morn | 1 37 | 2 0 |
| 4 | S | 4 40 | 0 54 | 5 27 | 5 53 | 4 | 4 46 | 0 53 | 2 25 | 2 51 |
| 5 | MO. | 7 30 | 1 59 | 6 20 | 6 47 | 5 | 7 25 | 1 57 | 3 17 | 3 44 |
| 6 | TU. | 4 43 | 3 7 | 7 15 | 7 44 | 6 | 4 48 | 3 4 | 4 12 | 4 41 |
| 7 | WE. | 7 30 | 4 17 | 8 13 | 8 43 | 7 | 7 25 | 4 12 | 5 11 | 5 41 |
| 8 | TH. | 4 45 | 5 29 | 9 12 | 9 42 | 8 | 4 50 | 5 24 | 6 11 | 6 40 |
| 9 | FR. | 7 29 | 6 39 | 10 12 | 10 41 | 9 | 7 24 | 6 33 | 7 8 | 7 36 |
| 10 | SA. | 4 47 | sets. | 11 8 | 11 35 | 10 | 4 52 | sets. | 8 3 | 8 30 |
| 11 | S | 7 28 | 6 3 | ..... | 0 1 | 11 | 7 24 | 6 8 | 8 58 | 9 26 |
| 12 | MO. | 4 49 | 7 22 | 0 27 | 0 54 | 12 | 4 54 | 7 26 | 9 52 | 10 17 |
| 13 | TU. | 7 28 | 8 41 | 1 20 | 1 46 | 13 | 7 23 | 8 44 | 10 41 | 11 5 |
| 14 | WE. | 4 51 | 9 58 | 2 11 | 2 35 | 14 | 4 56 | 9 59 | 11 30 | 11 56 |
| 15 | TH. | 7 27 | 11 11 | 2 59 | 3 23 | 15 | 7 22 | 11 11 | ..... | 0 21 |
| 16 | FR. | 4 53 | morn | 3 48 | 4 14 | 16 | 4 58 | morn | 0 47 | 1 13 |
| 17 | SA. | 7 26 | 0 21 | 4 41 | 5 9 | 17 | 7 21 | 0 20 | 1 40 | 2 7 |
| 18 | S | 4 56 | 1 31 | 5 37 | 6 6 | 18 | 5 1 | 1 28 | 2 35 | 3 3 |
| 19 | MO. | 7 25 | 2 40 | 6 35 | 7 5 | 19 | 7 20 | 2 36 | 3 32 | 4 1 |
| 20 | TU. | 4 58 | 3 47 | 7 35 | 8 4 | 20 | 5 3 | 3 42 | 4 31 | 5 1 |
| 21 | WE. | 7 24 | 4 52 | 8 33 | 9 0 | 21 | 7 19 | 4 46 | 5 30 | 5 58 |
| 22 | TH. | 5 1 | 5 51 | 9 27 | 9 52 | 22 | 5 6 | 5 45 | 6 25 | 6 50 |
| 23 | FR. | 7 22 | 6 43 | 10 17 | 10 41 | 23 | 7 18 | 6 37 | 7 14 | 7 36 |
| 24 | SA. | 5 3 | rises. | 11 3 | 11 24 | 24 | 5 8 | rises. | 7 57 | 8 19 |
| 25 | S | 7 21 | 5 40 | 11 45 | ..... | 25 | 7 17 | 5 45 | 8 41 | 9 3 |
| 26 | MO. | 5 6 | 6 42 | 0 5 | 0 24 | 26 | 5 10 | 6 46 | 9 23 | 9 42 |
| 27 | TU. | 7 19 | 7 43 | 0 43 | 1 2 | 27 | 7 15 | 7 46 | 10 0 | 10 18 |
| 28 | WE. | 5 8 | 8 43 | 1 21 | 1 40 | 28 | 5 12 | 8 45 | 10 35 | 10 52 |
| 29 | TH. | 7 17 | 9 43 | 1 58 | 2 16 | 29 | 7 13 | 9 43 | 11 10 | 11 30 |
| 30 | FR. | 5 12 | 10 44 | 2 34 | 2 53 | 30 | 5 15 | 10 43 | 11 50 | ..... |
| 31 | SA. | 7 15 | 11 46 | 3 12 | 3 32 | 31 | 7 11 | 11 44 | 0 10 | 0 30 |

# FEBRUARY

| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---|---|---|
| Last Quarter..... | 1d. 11h. 42m. P.M. | 1d. 10h. 42m. P.M. |
| New Moon..... | 8d. 9h. 12m. P.M. | 8d. 8h 12m. P.M. |
| First Quarter..... | 15d. 1h. 29m. P.M. | 15d. 0h. 29m. P.M. |
| Full Moon..... | 23d. 2h. 18m. P.M. | 23d. 1h. 18m. P.M. |

| 1891 | | BOST. & CHI. | | BOSTON TIDE. | | | N. Y. & PHILA. | | NEW YORK TIDE. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Local Mean Time. | | Standard Time. | | | Local Mean Time. | | Standard Time. | |
| D. of M. | Day of W'k. | Sun R.&S. | Moon R.&S. | Morning. | Evening. | Day of Mo. | Sun R.&S. | Moon R.&S. | Morning. | Evening. |
| 1 | ♐ | r7 14 | morn | 3 54 | 4 17 | 1 | r7 10 | morn | 0 52 | 1 16 |
| 2 | Mo. | s5 15 | 0 50 | 4 42 | 5 9 | 2 | s5 19 | 0 47 | 1 41 | 2 7 |
| 3 | Tu. | r7 12 | 1 57 | 5 37 | 6 7 | 3 | r7 9 | 1 53 | 2 35 | 3 5 |
| 4 | We. | s5 18 | 3 6 | 6 39 | 7 12 | 4 | s5 21 | 3 1 | 3 36 | 4 9 |
| 5 | Th. | r7 10 | 4 15 | 7 46 | 8 20 | 5 | r7 7 | 4 9 | 4 42 | 5 16 |
| 6 | Fr. | s5 20 | 5 21 | 8 53 | 9 25 | 6 | s5 24 | 5 15 | 5 50 | 6 23 |
| 7 | Sa. | r7 8 | 6 21 | 9 57 | 10 27 | 7 | r7 4 | 6 15 | 6 54 | 7 23 |
| 8 | ♑ | s5 23 | sets. | 10 55 | 11 21 | 8 | s5 26 | sets. | 7 49 | 8 15 |
| 9 | Mo. | r7 6 | 6 14 | 11 46 | ..... | 9 | r7 2 | 6 17 | 8 42 | 9 9 |
| 10 | Tu. | s5 26 | 7 34 | 0 10 | 0 35 | 10 | s5 29 | 7 36 | 9 34 | 9 58 |
| 11 | We. | r7 2 | 8 51 | 1 0 | 1 23 | 11 | r7 0 | 8 51 | 10 20 | 10 41 |
| 12 | Th. | s5 28 | 10 6 | 1 46 | 2 8 | 12 | s5 31 | 10 5 | 11 3 | 11 26 |
| 13 | Fr. | r7 0 | 11 20 | 2 31 | 2 54 | 13 | r6 57 | 11 18 | 11 51 | ..... |
| 14 | Sa. | s5 31 | morn | 3 18 | 3 43 | 14 | s5 33 | morn | 0 16 | 0 42 |
| 15 | ♑ | r6 58 | 0 31 | 4 9 | 4 36 | 15 | r6 54 | 0 27 | 1 8 | 1 35 |
| 16 | Mo. | s5 33 | 1 40 | 5 5 | 5 35 | 16 | s5 36 | 1 35 | 2 3 | 2 33 |
| 17 | Tu. | r6 55 | 2 46 | 6 7 | 6 39 | 17 | r6 52 | 2 41 | 3 5 | 3 36 |
| 18 | We. | s5 36 | 3 47 | 7 10 | 7 40 | 18 | s5 38 | 3 41 | 4 7 | 4 37 |
| 19 | Th. | r6 52 | 4 41 | 8 10 | 8 39 | 19 | r6 49 | 4 35 | 5 7 | 5 36 |
| 20 | Fr. | s5 38 | 5 28 | 9 6 | 9 31 | 20 | s5 41 | 5 22 | 6 4 | 6 29 |
| 21 | Sa. | r6 49 | 6 7 | 9 55 | 10 19 | 21 | r6 46 | 6 2 | 6 53 | 7 15 |
| 22 | ♑ | s5 41 | 6 39 | 10 41 | 11 1 | 22 | s5 43 | 6 35 | 7 36 | 7 55 |
| 23 | Mo. | r6 46 | rises. | 11 19 | 11 37 | 23 | r6 43 | rises. | 8 13 | 8 32 |
| 24 | Tu. | s5 43 | 6 36 | 11 54 | ..... | 24 | s5 46 | 6 38 | 8 52 | 9 10 |
| 25 | We. | r6 43 | 7 36 | 0 11 | 0 29 | 25 | r6 40 | 7 37 | 9 28 | 9 46 |
| 26 | Th. | s5 46 | 8 37 | 0 47 | 1 5 | 26 | s5 48 | 8 37 | 10 3 | 10 19 |
| 27 | Fr. | r6 39 | 9 38 | 1 22 | 1 40 | 27 | r6 38 | 9 36 | 10 35 | 10 53 |
| 28 | Sa. | s5 48 | 10 41 | 1 59 | 2 18 | 28 | s5 50 | 10 38 | 11 12 | 11 32 |
| .. | ..... | ..... | ..... | ..... | ..... | .. | ..... | ..... | ..... | ..... |
| .. | ..... | ..... | ..... | ..... | ..... | .. | ..... | ..... | ..... | ..... |
| .. | ..... | ..... | ..... | ..... | ..... | .. | ..... | ..... | ..... | ..... |

# MARCH

| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---|---|---|
| Last Quarter..... | 3d. 2h. 37m. P.M. | 3d. 1h. 37m. P.M. |
| New Moon..... | 10d. 6h. 51m. A.M. | 10d. 5h. 51m. A.M. |
| First Quarter..... | 17d. 4h. 10m. A.M. | 17d. 3h. 10m. A.M. |
| Full Moon..... | 25d. 8h. 12m. A.M. | 25d. 7h. 12m. A.M. |

| 1891 | | BOST. & CHI. | | BOSTON TIDE. | | | N. Y. & PHILA. | | NEW YORK TIDE. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Local Mean Time. | | Standard Time. | | | Local Mean Time. | | Standard Time. | |
| D. of M. | Day of W'k. | Sun R.&S. | Moon R.&S. | Morning. | Evening. | Day of Mo. | Sun R.&S. | Moon R.&S. | Morning. | Evening. |
| 1 | ♑ | r6 36 | 11 46 | 2 37 | 2 57 | 1 | r6 35 | 11 42 | 11 54 | ..... |
| 2 | Mo. | s5 51 | morn | 3 19 | 3 43 | 2 | s5 52 | morn | 0 17 | 0 41 |
| 3 | Tu. | r6 33 | 0 53 | 4 8 | 4 36 | 3 | r6 31 | 0 48 | 1 7 | 1 35 |
| 4 | We. | s5 53 | 2 1 | 5 7 | 5 41 | 4 | s5 54 | 1 55 | 2 6 | 2 39 |
| 5 | Th. | r6 30 | 3 6 | 6 16 | 6 52 | 5 | r6 28 | 3 0 | 3 14 | 3 49 |
| 6 | Fr. | s5 56 | 4 6 | 7 28 | 8 4 | 6 | s5 57 | 4 0 | 4 25 | 5 0 |
| 7 | Sa. | r6 27 | 4 58 | 8 38 | 9 10 | 7 | r6 25 | 4 52 | 5 35 | 6 8 |
| 8 | ♒ | s5 58 | 5 42 | 9 41 | 10 10 | 8 | s5 59 | 5 37 | 6 38 | 7 7 |
| 9 | Mo. | r6 23 | 6 19 | 10 37 | 11 2 | 9 | r6 22 | 6 16 | 7 32 | 7 56 |
| 10 | Tu. | s6 0 | sets. | 11 25 | 11 48 | 10 | s6 1 | sets. | 8 20 | 8 45 |
| 11 | We. | r6 19 | 7 42 | ..... | 0 11 | 11 | r6 19 | 7 42 | 9 8 | 9 31 |
| 12 | Th. | s6 3 | 8 57 | 0 33 | 0 55 | 12 | s6 3 | 8 55 | 9 53 | 10 14 |
| 13 | Fr. | r6 16 | 10 12 | 1 17 | 1 40 | 13 | r6 15 | 10 9 | 10 35 | 10 47 |
| 14 | Sa. | s6 5 | 11 26 | 2 3 | 2 26 | 14 | s6 5 | 11 22 | 11 21 | 11 46 |
| 15 | ♒ | r6 13 | morn | 2 49 | 3 14 | 15 | r6 12 | morn | .... | 0 12 |
| 16 | Mo. | s6 7 | 0 36 | 3 41 | 4 9 | 16 | s6 7 | 0 31 | 0 40 | 1 8 |
| 17 | Tu. | r6 9 | 1 40 | 4 38 | 5 9 | 17 | r6 9 | 1 34 | 1 37 | 2 7 |
| 18 | We. | s6 10 | 2 37 | 5 41 | 6 13 | 18 | s6 10 | 2 31 | 2 39 | 3 11 |
| 19 | Th. | r6 6 | 3 26 | 6 45 | 7 15 | 19 | r6 6 | 3 20 | 3 42 | 4 13 |
| 20 | Fr. | s6 12 | 4 8 | 7 45 | 8 13 | 20 | s6 12 | 4 2 | 4 42 | 5 10 |
| 21 | Sa. | r6 2 | 4 43 | 8 39 | 9 4 | 21 | r6 2 | 4 38 | 5 37 | 6 2 |
| 22 | ♒ | s6 14 | 5 12 | 9 27 | 9 49 | 22 | s6 14 | 5 8 | 6 25 | 6 47 |
| 23 | Mo. | r5 59 | 5 36 | 10 10 | 10 29 | 23 | r5 59 | 5 33 | 7 7 | 7 25 |
| 24 | Tu. | s6 16 | 5 59 | 10 47 | 11 5 | 24 | s6 16 | 5 57 | 7 42 | 7 59 |
| 25 | We. | r5 55 | rises. | 11 22 | 11 39 | 25 | r5 56 | rises. | 8 16 | 8 35 |
| 26 | Th. | s6 19 | 7 31 | 11 56 | ..... | 26 | s6 18 | 7 30 | 8 54 | 9 12 |
| 27 | Fr. | r5 52 | 8 34 | 0 13 | 0 31 | 27 | r5 52 | 8 32 | 9 30 | 9 48 |
| 28 | Sa. | s6 21 | 9 39 | 0 49 | 1 8 | 28 | s6 20 | 9 36 | 10 6 | 10 24 |
| 29 | ♓ | r5 48 | 10 45 | 1 28 | 1 48 | 29 | r5 49 | 10 40 | 10 43 | 11 3 |
| 30 | Mo. | s6 23 | 11 52 | 2 9 | 2 31 | 30 | s6 22 | 11 47 | 11 26 | 11 52 |
| 31 | Tu. | r5 45 | morn | 2 55 | 3 21 | 31 | r5 46 | morn | ..... | 0 19 |

# APRIL

| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---|---|---|
| Last Quarter ..... | 2d. 1h. 30m. A.M. | 2d. 0h. 30m. A.M. |
| New Moon ..... | 8d. 3h. 57m. P.M. | 8d. 2h. 57m. P.M. |
| First Quarter ..... | 15d. 8h. 40m. P.M. | 15d. 7h. 40m. P.M. |
| Full Moon ..... | 24d. 0h. 5m. A.M. | 23d. 11h. 5m. P.M. |

| 1891 | | BOST. & CHI. Local Mean Time. | | BOSTON TIDE. Standard Time. | | Day of Mo. | N. Y. & PHILA. Local Mean Time. | | NEW YORK TIDE. Standard Time. | |
|---|---|---|---|---|---|---|---|---|---|---|
| D. of M. | Day of W'k. | Sun R.&S. | Moon R.&S. | Morning. | Evening. | | Sun R.&S. | Moon R.&S. | Morning. | Evening. |
| 1 | We. | ♈5 43 | 0 57 | 3 49 | 4 20 | 1 | ♈5 44 | 0 51 | 0 48 | 1 19 |
| 2 | Th. | ♉6 26 | 1 58 | 4 53 | 5 27 | 2 | ♉6 25 | 1 52 | 1 51 | 2 25 |
| 3 | Fr. | ♈5 40 | 2 52 | 6 3 | 6 40 | 3 | ♈5 41 | 2 46 | 3 1 | 3 37 |
| 4 | Sa. | ♉6 29 | 3 37 | 7 16 | 7 50 | 4 | ♉6 27 | 3 32 | 4 12 | 4 46 |
| 5 | ☌ | ♈5 36 | 4 15 | 8 22 | 8 52 | 5 | ♈5 38 | 4 11 | 5 18 | 5 49 |
| 6 | Mo. | ♉6 31 | 4 47 | 9 21 | 9 48 | 6 | ♉6 29 | 4 44 | 6 18 | 6 46 |
| 7 | Tu. | ♈5 33 | 5 16 | 10 14 | 10 38 | 7 | ♈5 35 | 5 15 | 7 11 | 7 33 |
| 8 | We. | ♉6 33 | sets. | 11 0 | 11 22 | 8 | ♉6 32 | sets. | 7 54 | 8 16 |
| 9 | Th. | ♈5 30 | 7 45 | 11 43 | ..... | 9 | ♈5 31 | 7 43 | 8 39 | 9 3 |
| 10 | Fr. | ♉6 36 | 9 2 | 0 5 | 0 27 | 10 | ♉6 34 | 8 58 | 9 26 | 9 48 |
| 11 | Sa. | ♈5 26 | 10 16 | 0 50 | 1 13 | 11 | ♈5 28 | 10 11 | 10 10 | 10 32 |
| 12 | ☌ | ♉6 38 | 11 26 | 1 36 | 2 1 | 12 | ♉6 36 | 11 20 | 10 55 | 11 20 |
| 13 | Mo. | ♈5 23 | morn | 2 26 | 2 51 | 13 | ♈5 25 | morn | 11 48 | ..... |
| 14 | Tu. | ♉6 40 | 0 29 | 3 17 | 3 44 | 14 | ♉6 38 | 0 23 | 0 15 | 0 43 |
| 15 | We. | ♈5 20 | 1 23 | 4 13 | 4 43 | 15 | ♈5 22 | 1 17 | 1 12 | 1 42 |
| 16 | Th. | ♉6 42 | 2 7 | 5 14 | 5 44 | 16 | ♉6 40 | 2 1 | 2 12 | 2 42 |
| 17 | Fr. | ♈5 16 | 2 44 | 6 14 | 6 43 | 17 | ♈5 19 | 2 39 | 3 13 | 3 41 |
| 18 | Sa. | ♉6 44 | 3 15 | 7 11 | 7 37 | 18 | ♉6 42 | 3 11 | 4 8 | 4 34 |
| 19 | ☌ | ♈5 13 | 3 41 | 8 2 | 8 26 | 19 | ♈5 16 | 3 38 | 4 59 | 5 23 |
| 20 | Mo. | ♉6 47 | 4 4 | 8 49 | 9 10 | 20 | ♉6 44 | 4 2 | 5 46 | 6 8 |
| 21 | Tu. | ♈5 10 | 4 25 | 9 31 | 9 51 | 21 | ♈5 13 | 4 24 | 6 29 | 6 49 |
| 22 | We. | ♉6 49 | 4 45 | 10 11 | 10 30 | 22 | ♉6 46 | 4 45 | 7 8 | 7 26 |
| 23 | Th. | ♈5 7 | 5 7 | 10 48 | 11 6 | 23 | ♈5 10 | 5 8 | 7 43 | 8 0 |
| 24 | Fr. | ♉6 51 | rises. | 11 24 | 11 42 | 24 | ♉6 48 | rises. | 8 18 | 8 38 |
| 25 | Sa. | ♈5 4 | 8 37 | ..... | 0 1 | 25 | ♈5 7 | 8 33 | 8 59 | 9 20 |
| 26 | ☌ | ♉6 53 | 9 45 | 0 22 | 0 43 | 26 | ♉6 50 | 9 40 | 9 41 | 10 2 |
| 27 | Mo. | ♈5 1 | 10 52 | 1 4 | 1 27 | 27 | ♈5 4 | 10 46 | 10 24 | 10 47 |
| 28 | Tu. | ♉6 56 | 11 54 | 1 52 | 2 17 | 28 | ♉6 52 | 11 48 | 11 11 | 11 38 |
| 29 | We. | ♈4 59 | morn | 2 43 | 3 10 | 29 | ♈5 2 | morn | ..... | 0 8 |
| 30 | Th. | ♉6 58 | 0 49 | 3 39 | 4 11 | 30 | ♉6 54 | 0 43 | 0 39 | 1 10 |
| .. | ..... | ..... | ..... | ..... | ..... | | ..... | ..... | ..... | ..... |

# MAY

| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---|---|---|
| Last Quarter ..... | 1d. 8h. 51m. A.M. | 1d. 7h. 51m. A.M. |
| New Moon ..... | 8d. 1h. 15m. A.M. | 8d. 0h. 15m. A.M. |
| First Quarter ..... | 15d. 2h. 4m. P.M. | 15d. 1h. 4m. P.M. |
| Full Moon ..... | 23d. 1h. 26m. P.M. | 23d. 0h. 26m. P.M. |
| Last Quarter ..... | 30d. 1h. 54m. P.M. | 30d. 0h. 54m. P.M. |

| 1891 | | BOST. & CHI. Local Mean Time. | | BOSTON TIDE. Standard Time. | | Day of Mo. | N. Y. & PHILA. Local Mean Time. | | NEW YORK TIDE. Standard Time. | |
|---|---|---|---|---|---|---|---|---|---|---|
| D. of M. | Day of W'k. | Sun R.&S. | Moon R.&S. | Morning. | Evening. | | Sun R.&S. | Moon R.&S. | Morning. | Evening. |
| 1 | Fr. | ♈4 56 | 1 37 | 4 44 | 5 17 | 1 | ♈4 59 | 1 32 | 1 42 | 2 15 |
| 2 | Sa. | ♉7 0 | 2 16 | 5 51 | 6 25 | 2 | ♉6 57 | 2 12 | 2 49 | 3 23 |
| 3 | ☌ | ♈4 53 | 2 48 | 6 57 | 7 29 | 3 | ♈4 57 | 2 45 | 3 55 | 4 26 |
| 4 | Mo. | ♉7 2 | 3 16 | 8 0 | 8 29 | 4 | ♉6 59 | 3 14 | 4 57 | 5 26 |
| 5 | Tu. | ♈4 50 | 3 42 | 8 56 | 9 21 | 5 | ♈4 54 | 3 42 | 5 54 | 6 19 |
| 6 | We. | ♉7 4 | 4 8 | 9 46 | 10 10 | 6 | ♉7 1 | 4 9 | 6 43 | 7 7 |
| 7 | Th. | ♈4 48 | 4 35 | 10 34 | 10 58 | 7 | ♈4 52 | 4 37 | 7 30 | 7 53 |
| 8 | Fr. | ♉7 7 | sets. | 11 20 | 11 41 | 8 | ♉7 3 | sets. | 8 15 | 8 37 |
| 9 | Sa. | ♈4 45 | 9 5 | ..... | 0 4 | 9 | ♈4 49 | 9 0 | 9 1 | 9 25 |
| 10 | ☌ | ♉7 9 | 10 12 | 0 27 | 0 51 | 10 | ♉7 5 | 10 6 | 9 49 | 10 12 |
| 11 | Mo. | ♈4 43 | 11 12 | 1 15 | 1 40 | 11 | ♈4 47 | 11 6 | 10 35 | 10 59 |
| 12 | Tu. | ♉7 11 | morn | 2 5 | 2 30 | 12 | ♉7 7 | 11 57 | 11 25 | 11 52 |
| 13 | We. | ♈4 41 | 0 3 | 2 55 | 3 20 | 13 | ♈4 45 | morn | ..... | 0 18 |
| 14 | Th. | ♉7 13 | 0 44 | 3 46 | 4 12 | 14 | ♉7 9 | 0 38 | 0 45 | 1 11 |
| 15 | Fr. | ♈4 39 | 1 17 | 4 39 | 5 6 | 15 | ♈4 43 | 1 12 | 1 38 | 2 4 |
| 16 | Sa. | ♉7 15 | 1 44 | 5 33 | 5 59 | 16 | ♉7 11 | 1 40 | 2 31 | 2 57 |
| 17 | ☌ | ♈4 37 | 2 8 | 6 25 | 6 51 | 17 | ♈4 41 | 2 5 | 3 23 | 3 48 |
| 18 | Mo. | ♉7 17 | 2 30 | 7 16 | 7 39 | 18 | ♉7 13 | 2 29 | 4 13 | 4 36 |
| 19 | Tu. | ♈4 35 | 2 51 | 8 2 | 8 25 | 19 | ♈4 40 | 2 51 | 4 59 | 5 22 |
| 20 | We. | ♉7 19 | 3 11 | 8 48 | 9 9 | 20 | ♉7 14 | 3 12 | 5 45 | 6 7 |
| 21 | Th. | ♈4 33 | 3 33 | 9 30 | 9 52 | 21 | ♈4 38 | 3 35 | 6 28 | 6 50 |
| 22 | Fr. | ♉7 21 | 3 57 | 10 14 | 10 35 | 22 | ♉7 16 | 4 0 | 7 11 | 7 30 |
| 23 | Sa. | ♈4 31 | rises. | 10 56 | 11 17 | 23 | ♈4 36 | rises. | 7 50 | 8 12 |
| 24 | ☌ | ♉7 23 | 8 41 | 11 39 | ..... | 24 | ♉7 18 | 8 35 | 8 35 | 9 0 |
| 25 | Mo. | ♈4 30 | 9 47 | 0 2 | 0 25 | 25 | ♈4 35 | 9 41 | 9 24 | 9 48 |
| 26 | Tu. | ♉7 25 | 10 46 | 0 49 | 1 15 | 26 | ♉7 20 | 10 40 | 10 12 | 10 37 |
| 27 | We. | ♈4 29 | 11 37 | 1 42 | 2 9 | 27 | ♈4 34 | 11 31 | 11 3 | 11 31 |
| 28 | Th. | ♉7 27 | morn | 2 36 | 3 3 | 28 | ♉7 21 | morn | ..... | 0 0 |
| 29 | Fr. | ♈4 27 | 0 18 | 3 31 | 4 0 | 29 | ♈4 33 | 0 13 | 0 29 | 0 59 |
| 30 | Sa. | ♉7 28 | 0 52 | 4 30 | 5 1 | 30 | ♉7 23 | 0 48 | 1 29 | 1 59 |
| 31 | ☌ | ♈4 26 | 1 21 | 5 32 | 6 2 | 31 | ♈4 32 | 1 19 | 2 30 | 3 0 |

# JUNE

| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---|---|---|
| New Moon ..... | 6d. 11h. 26m. A.M. | 6d. 10h 26m. A.M. |
| First Quarter ..... | 14d. 7h. 34m. A.M. | 14d. 6h. 34m. A.M. |
| Full Moon ..... | 22d. oh. 12m. A.M. | 21d. 11h. 12m. P.M. |
| Last Quarter ..... | 28d. 6h. 16m. P.M. | 28d. 5h. 16m. P.M. |

| 1891 | | BOST. & CHI. Local Mean Time. | | BOSTON TIDE. Standard Time. | | | N. Y. & PHILA. Local Mean Time. | | NEW YORK TIDE. Standard Time. | |
|---|---|---|---|---|---|---|---|---|---|---|
| Day of M. | Day of W'k. | Sun R.&S. | Moon R.&S. | Morning. | Evening. | Day of Mo. | Sun R.&S. | Moon R.&S. | Morning. | Evening. |
| 1 | Mo. | r4 26 | 1 47 | 6 32 | 7 2 | 1 | r4 31 | 1 46 | 3 30 | 3 59 |
| 2 | Tu. | s7 30 | 2 11 | 7 31 | 7 59 | 2 | s7 25 | 2 11 | 4 27 | 4 55 |
| 3 | We. | r4 25 | 2 36 | 8 26 | 8 53 | 3 | r4 30 | 2 38 | 5 23 | 5 50 |
| 4 | Th. | s7 32 | 3 3 | 9 19 | 9 45 | 4 | s7 27 | 3 6 | 6 17 | 6 43 |
| 5 | Fr. | r4 24 | 3 35 | 10 11 | 10 36 | 5 | r4 29 | 3 39 | 7 8 | 7 31 |
| 6 | Sa. | s7 33 | sets. | 10 59 | 11 22 | 6 | s7 28 | sets. | 7 53 | 8 16 |
| 7 | ☌ | r4 23 | 8 58 | 11 45 | ..... | 7 | r4 29 | 8 52 | 8 41 | 9 7 |
| 8 | Mo. | s7 35 | 9 53 | 0 9 | 0 32 | 8 | s7 29 | 9 47 | 9 31 | 9 54 |
| 9 | Tu. | r4 23 | 10 38 | 0 56 | 1 20 | 9 | r4 28 | 10 32 | 10 17 | 10 39 |
| 10 | We. | s7 36 | 11 15 | 1 44 | 2 7 | 10 | s7 30 | 11 10 | 11 1 | 11 24 |
| 11 | Th. | r4 22 | 11 45 | 2 29 | 2 52 | 11 | r4 28 | 11 41 | 11 48 | ..... |
| 12 | Fr. | s7 37 | morn | 3 14 | 3 37 | 12 | s7 31 | morn | 0 12 | 0 35 |
| 13 | Sa. | r4 22 | 0 10 | 3 59 | 4 22 | 13 | r4 28 | 0 7 | 0 58 | 1 21 |
| 14 | ☌ | s7 38 | 0 32 | 4 45 | 5 9 | 14 | s7 32 | 0 30 | 1 44 | 2 8 |
| 15 | Mo. | r4 22 | 0 53 | 5 34 | 5 58 | 15 | r4 28 | 0 52 | 2 32 | 2 56 |
| 16 | Tu. | s7 38 | 1 14 | 6 22 | 6 47 | 16 | s7 33 | 1 14 | 3 20 | 3 44 |
| 17 | We. | r4 22 | 1 35 | 7 12 | 7 36 | 17 | r4 28 | 1 37 | 4 9 | 4 33 |
| 18 | Th. | s7 39 | 1 58 | 8 1 | 8 27 | 18 | s7 33 | 2 1 | 4 58 | 5 23 |
| 19 | Fr. | r4 23 | 2 24 | 8 52 | 9 17 | 19 | r4 28 | 2 28 | 5 49 | 6 15 |
| 20 | Sa. | s7 40 | 2 56 | 9 42 | 10 8 | 20 | s7 34 | 3 1 | 6 40 | 7 5 |
| 21 | ☌ | r4 23 | 3 36 | 10 34 | 10 59 | 21 | r4 29 | 3 42 | 7 29 | 7 53 |
| 22 | Mo. | s7 40 | rises. | 11 24 | 11 49 | 22 | s7 34 | rises. | 8 18 | 8 45 |
| 23 | Tu. | r4 23 | 9 31 | ..... | 0 14 | 23 | r4 29 | 9 25 | 9 13 | 9 39 |
| 24 | We. | s7 40 | 10 16 | 0 40 | 1 7 | 24 | s7 35 | 10 11 | 10 4 | 10 28 |
| 25 | Th. | r4 24 | 10 54 | 1 33 | 1 59 | 25 | r4 30 | 10 50 | 10 53 | 11 19 |
| 26 | Fr. | s7 40 | 11 25 | 2 24 | 2 49 | 26 | s7 35 | 11 22 | 11 46 | ..... |
| 27 | Sa. | r4 25 | 11 51 | 3 15 | 3 41 | 27 | r4 30 | 11 50 | 0 13 | 0 40 |
| 28 | ☌ | s7 40 | morn | 4 8 | 4 35 | 28 | s7 35 | morn | 1 7 | 1 34 |
| 29 | Mo. | r4 25 | 0 15 | 5 3 | 5 32 | 29 | r4 31 | 0 15 | 2 2 | 2 30 |
| 30 | Tu. | s7 40 | 0 40 | 6 1 | 6 31 | 30 | s7 35 | 0 41 | 2 59 | 3 29 |
| .. | ..... | ..... | ..... | ..... | ..... | .. | ..... | ..... | ..... | ..... |

# JULY

| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---|---|---|
| New Moon ..... | 5d. 10h. 58m. P.M. | 5d. 9h. 58m. P.M. |
| First Quarter ..... | 14d. oh. 29m. A.M. | 13d. 11h. 29m. P.M. |
| Full Moon ..... | 21d. 8h. 54m. A.M. | 21d. 7h. 54m. A.M. |
| Last Quarter ..... | 27d. 11h. 32m. P.M. | 27d. 10h. 32m. P.M. |

| 1891 | | BOST. & CHI. Local Mean Time. | | BOSTON TIDE. Standard Time. | | | N. Y. & PHILA. Local Mean Time. | | NEW YORK TIDE. Standard Time. | |
|---|---|---|---|---|---|---|---|---|---|---|
| Day of M. | Day of W'k. | Sun R.&S. | Moon R.&S. | Morning. | Evening. | Day of Mo. | Sun R.&S. | Moon R.&S | Morning. | Evening. |
| 1 | We. | r4 26 | 1 7 | 7 0 | 7 30 | 1 | r4 32 | 1 10 | 3 58 | 4 27 |
| 2 | Th. | s7 40 | 1 36 | 8 0 | 8 29 | 2 | s7 35 | 1 40 | 4 57 | 5 26 |
| 3 | Fr. | r4 27 | 2 10 | 8 57 | 9 24 | 3 | r4 33 | 2 15 | 5 54 | 6 22 |
| 4 | Sa. | s7 40 | 2 50 | 9 51 | 10 17 | 4 | s7 34 | 2 56 | 6 49 | 7 14 |
| 5 | ☌ | r4 29 | 3 37 | 10 42 | 11 7 | 5 | r4 34 | 3 43 | 7 37 | 8 0 |
| 6 | Mo. | s7 40 | sets. | 11 30 | 11 52 | 6 | s7 34 | sets. | 8 24 | 8 49 |
| 7 | Tu. | r4 30 | 9 13 | ..... | 0 14 | 7 | r4 36 | 9 8 | 9 12 | 9 34 |
| 8 | We. | s7 39 | 9 45 | 0 36 | 0 58 | 8 | s7 33 | 9 41 | 9 56 | 10 16 |
| 9 | Th. | r4 31 | 10 12 | 1 19 | 1 40 | 9 | r4 37 | 10 9 | 10 35 | 10 54 |
| 10 | Fr. | s7 38 | 10 36 | 2 0 | 2 19 | 10 | s7 32 | 10 34 | 11 14 | 11 34 |
| 11 | Sa. | r4 33 | 10 57 | 2 38 | 2 57 | 11 | r4 38 | 10 56 | 11 54 | ..... |
| 12 | ☌ | s7 37 | 11 17 | 3 17 | 3 37 | 12 | s7 32 | 11 17 | 0 15 | 0 36 |
| 13 | Mo. | r4 34 | 11 37 | 3 58 | 4 20 | 13 | r4 40 | 11 38 | 0 57 | 1 19 |
| 14 | Tu. | s7 36 | 11 59 | 4 42 | 5 6 | 14 | s7 31 | morn | 1 41 | 2 5 |
| 15 | We. | r4 36 | morn | 5 31 | 5 56 | 15 | r4 41 | 0 1 | 2 29 | 2 54 |
| 16 | Th. | s7 35 | 0 23 | 6 22 | 6 50 | 16 | s7 29 | 0 26 | 3 20 | 3 48 |
| 17 | Fr. | r4 37 | 0 52 | 7 20 | 7 50 | 17 | r4 43 | 0 56 | 4 17 | 4 46 |
| 18 | Sa. | s7 34 | 1 28 | 8 20 | 8 50 | 18 | s7 28 | 1 33 | 5 16 | 5 47 |
| 19 | ☌ | r4 39 | 2 13 | 9 19 | 9 48 | 19 | r4 44 | 2 19 | 6 17 | 6 46 |
| 20 | Mo. | s7 32 | 3 9 | 10 17 | 10 45 | 20 | s7 27 | 3 15 | 7 14 | 7 40 |
| 21 | Tu. | r4 41 | rises. | 11 12 | 11 38 | 21 | r4 46 | rises. | 8 6 | 8 33 |
| 22 | We. | s7 30 | 8 51 | ..... | 0 3 | 22 | s7 25 | 8 47 | 9 1 | 9 27 |
| 23 | Th. | r4 43 | 9 24 | 0 28 | 0 53 | 23 | r4 48 | 9 21 | 9 51 | 10 14 |
| 24 | Fr. | s7 29 | 9 53 | 1 18 | 1 42 | 24 | s7 23 | 9 51 | 10 37 | 11 0 |
| 25 | Sa. | r4 45 | 10 20 | 2 6 | 2 29 | 25 | r4 49 | 10 20 | 11 24 | 11 49 |
| 26 | ☌ | s7 27 | 10 45 | 2 52 | 3 16 | 26 | s7 22 | 10 46 | ..... | 0 14 |
| 27 | Mo. | r4 47 | 11 10 | 3 41 | 4 6 | 27 | r4 51 | 11 12 | 0 39 | 1 5 |
| 28 | Tu. | s7 25 | 11 38 | 4 33 | 5 2 | 28 | s7 20 | 11 42 | 1 32 | 2 0 |
| 29 | We. | r4 49 | morn | 5 32 | 6 3 | 29 | r4 53 | morn | 2 30 | 3 1 |
| 30 | Th. | s7 23 | 0 10 | 6 34 | 7 6 | 30 | s7 18 | 0 15 | 3 32 | 4 3 |
| 31 | Fr. | r4 51 | 0 48 | 7 37 | 8 8 | 31 | r4 55 | 0 54 | 4 34 | 5 5 |

# AUGUST

| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---|---|---|
| New Moon | 4d. 0h. 12m. P.M. | 4d. 11h. 12m. A.M. |
| First Quarter | 12d. 4h. 12m. P.M. | 12d. 3h. 12m. P.M. |
| Full Moon | 19d. 4h. 28m. P.M. | 19d. 3h. 28m. P.M. |
| Last Quarter | 26d. 7h. 9m. A.M. | 26d. 6h. 9m. A.M. |

| 1891 | | BOST. & CHI. Local Mean Time. | | BOSTON TIDE. Standard Time. | | Day of Mo. | N. Y. & PHILA. Local Mean Time. | | NEW YORK TIDE. Standard Time. | |
|---|---|---|---|---|---|---|---|---|---|---|
| D. of M. | Day of W'k. | Sun R.&S. | Moon R.&S. | Morning. | Evening. | | Sun R.&S. | Moon R.&S. | Morning. | Evening. |
| 1 | Sa. | 4 52 | 1 33 | 8 38 | 9 7 | 1 | 4 56 | 1 39 | 5 35 | 6 5 |
| 2 | ☽ | 5 19 | 2 25 | 9 35 | 10 1 | 2 | 5 15 | 2 31 | 6 33 | 6 59 |
| 3 | Mo. | 4 54 | 3 23 | 10 26 | 10 50 | 3 | 4 58 | 3 29 | 7 23 | 7 45 |
| 4 | Tu. | 5 16 | sets. | 11 12 | 11 32 | 4 | 5 12 | sets. | 8 6 | 8 27 |
| 5 | We. | 4 56 | 8 15 | 11 51 | ..... | 5 | 5 0 | 8 11 | 8 48 | 9 9 |
| 6 | Th. | 5 14 | 8 39 | 0 10 | 0 30 | 6 | 5 10 | 8 36 | 9 28 | 9 47 |
| 7 | Fr. | 4 58 | 9 1 | 0 49 | 1 7 | 7 | 5 2 | 8 59 | 10 4 | 10 21 |
| 8 | Sa. | 5 11 | 9 22 | 1 25 | 1 43 | 8 | 5 8 | 9 22 | 10 38 | 10 55 |
| 9 | ☽ | 5 0 | 9 42 | 2 1 | 2 19 | 9 | 5 4 | 9 43 | 11 13 | 11 32 |
| 10 | Mo. | 5 8 | 10 2 | 2 37 | 2 55 | 10 | 5 5 | 10 4 | 11 52 | ..... |
| 11 | Tu. | 5 2 | 10 24 | 3 14 | 3 34 | 11 | 5 5 | 10 27 | 0 12 | 0 32 |
| 12 | We. | 5 7 | 10 50 | 3 55 | 4 19 | 12 | 5 7 | 10 54 | 0 54 | 1 18 |
| 13 | Th. | 5 4 | 11 22 | 4 45 | 5 13 | 13 | 5 7 | 11 27 | 1 44 | 2 11 |
| 14 | Fr. | 5 3 | morn | 5 43 | 6 14 | 14 | 5 0 | morn | 2 41 | 3 12 |
| 15 | Sa. | 5 6 | 0 2 | 6 47 | 7 21 | 15 | 5 9 | 0 8 | 3 44 | 4 17 |
| 16 | ☽ | 5 0 | 0 52 | 7 55 | 8 28 | 16 | 5 6 | 57 0 | 58 4 | 51 5 25 |
| 17 | Mo. | 5 8 | 1 53 | 9 0 | 9 31 | 17 | 5 11 | 1 59 | 5 58 | 6 30 |
| 18 | Tu. | 5 6 | 57 3 | 6 10 | 2 10 | 31 | 18 | 5 6 | 54 3 | 12 7 0 7 27 |
| 19 | We. | 5 11 | rises. | 10 58 | 11 23 | 19 | 5 13 | rises. | 7 52 | 8 17 |
| 20 | Th. | 5 6 | 54 7 | 52 11 | 46 ..... | 20 | 5 6 | 51 7 | 50 8 | 43 9 8 |
| 21 | Fr. | 5 13 | 8 19 | 0 9 | 0 33 | 21 | 5 15 | 8 18 | 9 31 | 9 54 |
| 22 | Sa. | 5 6 | 51 8 | 45 0 | 56 1 | 19 | 22 | 5 6 | 48 8 | 46 10 16 10 36 |
| 23 | ☽ | 5 15 | 9 11 | 1 42 | 2 4 | 23 | 5 17 | 9 13 | 10 58 | 11 22 |
| 24 | Mo. | 5 6 | 48 9 | 39 2 | 27 2 | 50 | 24 | 5 6 | 45 9 | 42 11 47 ..... |
| 25 | Tu. | 5 17 | 10 10 | 3 14 | 3 40 | 25 | 5 19 | 10 14 | 0 13 | 0 39 |
| 26 | We. | 5 6 | 44 10 | 47 4 | 7 4 | 37 | 26 | 5 6 | 42 10 | 52 1 6 1 36 |
| 27 | Th. | 5 19 | 11 30 | 5 9 | 5 41 | 27 | 5 21 | 11 36 | 2 7 | 2 39 |
| 28 | Fr. | 5 6 | 41 morn | 6 14 | 6 47 | 28 | 5 6 | 39 morn | 3 12 | 3 44 |
| 29 | Sa. | 5 21 | 0 20 | 7 19 | 7 51 | 29 | 5 23 | 0 26 | 4 16 | 4 47 |
| 30 | ☽ | 5 6 | 38 1 | 17 8 | 21 8 | 50 | 30 | 5 6 | 36 1 | 23 5 18 5 47 |
| 31 | Mo. | 5 23 | 2 18 | 9 17 | 9 42 | 31 | 5 25 | 2 24 | 6 15 | 6 40 |

# SEPTEMBER

| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---|---|---|
| New Moon | 3d. 3h. 16m. A.M. | 3d. 2h. 16m. A.M. |
| First Quarter | 11d. 6h. 7m. A.M. | 11d. 5h. 7m. A.M. |
| Full Moon | 18d. 0h. 4m. A.M. | 17d. 11h. 4m. P.M. |
| Last Quarter | 24d. 6h. 7m. P.M. | 24d. 5h. 7m. P.M. |

| 1891 | | BOST. & CHI. Local Mean Time. | | BOSTON TIDE. Standard Time. | | Day of Mo. | N. Y. & PHILA. Local Mean Time. | | NEW YORK TIDE. Standard Time. | |
|---|---|---|---|---|---|---|---|---|---|---|
| D. of M. | Day of W'k. | Sun R.&S. | Moon R.&S. | Morning. | Evening. | | Sun R.&S. | Moon R.&S | Morning. | Evening. |
| 1 | Tu. | 5 24 | 3 21 | 10 5 | 10 27 | 1 | 5 26 | 3 26 | 7 2 | 7 23 |
| 2 | We. | 5 33 | 4 24 | 10 47 | 11 6 | 2 | 5 31 | 4 28 | 7 41 | 7 59 |
| 3 | Th. | 5 26 | sets. | 11 24 | 11 41 | 3 | 5 28 | sets. | 8 18 | 8 37 |
| 4 | Fr. | 5 29 | 7 26 | 11 58 | ..... | 4 | 5 28 | 7 25 | 8 55 | 9 13 |
| 5 | Sa. | 5 28 | 7 46 | 0 15 | 0 32 | 5 | 5 30 | 7 46 | 9 30 | 9 47 |
| 6 | ☽ | 5 26 | 8 6 | 0 49 | 1 6 | 6 | 5 25 | 8 7 | 10 4 | 10 20 |
| 7 | Mo. | 5 30 | 8 28 | 1 23 | 1 41 | 7 | 5 32 | 8 31 | 10 37 | 10 54 |
| 8 | Tu. | 5 23 | 8 52 | 2 0 | 2 19 | 8 | 5 21 | 8 56 | 11 13 | 11 34 |
| 9 | We. | 5 33 | 9 20 | 2 38 | 2 59 | 9 | 5 34 | 9 25 | 11 56 | ..... |
| 10 | Th. | 5 19 | 9 55 | 3 22 | 3 47 | 10 | 5 18 | 10 1 | 0 20 | 0 45 |
| 11 | Fr. | 5 35 | 10 39 | 4 13 | 4 42 | 11 | 5 36 | 10 45 | 1 12 | 1 41 |
| 12 | Sa. | 5 16 | 11 35 | 5 15 | 5 50 | 12 | 5 15 | 11 41 | 2 13 | 2 48 |
| 13 | ☽ | 5 37 | morn | 6 25 | 7 1 | 13 | 5 38 | morn | 3 23 | 3 58 |
| 14 | Mo. | 5 12 | 0 41 | 7 36 | 8 10 | 14 | 5 11 | 0 47 | 4 32 | 5 7 |
| 15 | Tu. | 5 39 | 1 55 | 8 43 | 9 14 | 15 | 5 40 | 2 0 | 5 41 | 6 13 |
| 16 | We. | 5 9 | 3 14 | 9 44 | 10 12 | 16 | 5 8 | 3 18 | 6 42 | 7 9 |
| 17 | Th. | 5 41 | 4 35 | 10 37 | 11 1 | 17 | 5 42 | 4 38 | 7 33 | 7 55 |
| 18 | Fr. | 5 5 | rises. | 11 24 | 11 46 | 18 | 5 6 | 5 | rises. | 8 18 8 42 |
| 19 | Sa. | 5 43 | 7 12 | ..... | 0 8 | 19 | 5 44 | 7 13 | 9 6 | 9 29 |
| 20 | ☽ | 5 2 | 7 39 | 0 30 | 0 53 | 20 | 5 1 | 7 42 | 9 51 | 10 12 |
| 21 | Mo. | 5 45 | 8 9 | 1 16 | 1 39 | 21 | 5 46 | 8 13 | 10 34 | 10 57 |
| 22 | Tu. | 5 58 | 8 44 | 2 3 | 2 28 | 22 | 5 58 | 8 49 | 11 22 | 11 49 |
| 23 | We. | 5 48 | 9 25 | 2 53 | 3 19 | 23 | 5 48 | 9 31 | ..... | 0 17 |
| 24 | Th. | 5 54 | 10 14 | 3 47 | 4 17 | 24 | 5 55 | 10 20 | 0 46 | 1 16 |
| 25 | Fr. | 5 50 | 11 10 | 4 47 | 5 22 | 25 | 5 50 | 11 16 | 1 48 | 2 20 |
| 26 | Sa. | 5 51 | morn | 5 55 | 6 27 | 26 | 5 51 | morn | 2 53 | 3 25 |
| 27 | ☽ | 5 52 | 0 10 | 6 59 | 7 29 | 27 | 5 52 | 0 16 | 3 56 | 4 26 |
| 28 | Mo. | 5 47 | 1 13 | 7 57 | 8 24 | 28 | 5 48 | 1 18 | 4 54 | 5 21 |
| 29 | Tu. | 5 54 | 2 16 | 8 48 | 9 11 | 29 | 5 54 | 2 20 | 5 46 | 6 9 |
| 30 | We. | 5 44 | 3 18 | 9 33 | 9 54 | 30 | 5 44 | 3 21 | 6 31 | 6 52 |
| .. | .... | ..... | ..... | ..... | ..... | .. | ..... | ..... | ..... | ..... |

# OCTOBER

| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---|---|---|
| New Moon ..... | 2d. 7h. 58m. P.M. | 2d. 6h. 58m. P.M. |
| First Quarter ..... | 10d. 5h. 57m. P.M. | 10d. 4h. 57m. P.M. |
| Full Moon ..... | 17d. 8h. 45m. A.M. | 17d. 7h. 45m. A.M. |
| Last Quarter ..... | 24d. 8h. 56m. A.M. | 24d. 7h. 56m. A.M. |

| 1891 | | BOST. & CHI. Local Mean Time. | | BOSTON TIDE. Standard Time. | | | N. Y. & PHILA. Local Mean Time. | | NEW YORK TIDE. Standard Time. | |
|---|---|---|---|---|---|---|---|---|---|---|
| Day of M. | Day of W'k. | Sun R.&S. | Moon R.&S. | Morning. | Evening. | Day of Mo. | Sun R.&S. | Moon R.&S. | Morning. | Evening. |
| 1 | Th. | r5 56 | 4 20 | 10 14 | 10 33 | 1 | r5 56 | 4 22 | 7 11 | 7 29 |
| 2 | Fr. | s5 40 | 5 21 | 10 51 | 11 8 | 2 | s5 41 | 5 22 | 7 45 | 8 1 |
| 3 | Sa. | r5 58 | sets. | 11 25 | 11 41 | 3 | r5 58 | sets. | 8 19 | 8 37 |
| 4 | S | s5 37 | 6 33 | 11 57 | ..... | 4 | s5 38 | 6 35 | 8 55 | 9 13 |
| 5 | Mo. | r6 1 | 6 56 | 0 14 | 0 32 | 5 | r6 0 | 6 59 | 9 31 | 9 48 |
| 6 | Tu. | s5 34 | 7 23 | 0 50 | 1 9 | 6 | s5 35 | 7 27 | 10 6 | 10 25 |
| 7 | We. | r6 3 | 7 55 | 1 29 | 1 50 | 7 | r6 2 | 8 0 | 10 44 | 11 6 |
| 8 | Th. | s5 30 | 8 35 | 2 12 | 2 35 | 8 | s5 31 | 8 41 | 11 31 | 11 57 |
| 9 | Fr. | r6 5 | 9 24 | 3 0 | 3 26 | 9 | r6 4 | 9 31 | ..... | 0 24 |
| 10 | Sa. | s5 27 | 10 24 | 3 54 | 4 25 | 10 | s5 30 | 10 30 | 0 53 | 1 24 |
| 11 | S | r6 7 | 11 33 | 4 58 | 5 33 | 11 | r6 6 | 11 39 | 1 56 | 2 31 |
| 12 | Mo. | s5 24 | morn | 6 8 | 6 43 | 12 | s5 25 | morn | 3 6 | 3 40 |
| 13 | Tu. | r6 10 | 0 48 | 7 17 | 7 51 | 13 | r6 8 | 0 53 | 4 14 | 4 47 |
| 14 | We. | s5 20 | 2 7 | 8 22 | 8 50 | 14 | s5 22 | 2 10 | 5 18 | 5 47 |
| 15 | Th. | r6 12 | 3 26 | 9 17 | 9 44 | 15 | r6 11 | 3 28 | 6 15 | 6 42 |
| 16 | Fr. | s5 17 | 4 45 | 10 10 | 10 34 | 16 | s5 19 | 4 45 | 7 7 | 7 29 |
| 17 | Sa. | r6 15 | rises. | 10 57 | 11 19 | 17 | r6 13 | rises. | 7 51 | 8 14 |
| 18 | S | s5 14 | 6 4 | 11 41 | ..... | 18 | s5 16 | 6 7 | 8 38 | 9 2 |
| 19 | Mo. | r6 17 | 6 37 | 0 4 | 0 27 | 19 | r6 15 | 6 42 | 9 26 | 9 50 |
| 20 | Tu. | s5 11 | 7 17 | 0 51 | 1 16 | 20 | s5 13 | 7 23 | 10 13 | 10 37 |
| 21 | We. | r6 20 | 8 4 | 1 42 | 2 8 | 21 | r6 17 | 8 10 | 11 2 | 11 29 |
| 22 | Th. | s5 8 | 8 59 | 2 34 | 3 1 | 22 | s5 10 | 9 6 | 11 58 | ..... |
| 23 | Fr. | r6 22 | 9 59 | 3 29 | 3 58 | 23 | r6 19 | 10 5 | 0 27 | 0 57 |
| 24 | Sa. | s5 5 | 11 3 | 4 27 | 4 57 | 24 | s5 7 | 11 8 | 1 26 | 1 55 |
| 25 | S | r6 24 | morn | 5 27 | 5 57 | 25 | r6 22 | morn | 2 25 | 2 55 |
| 26 | Mo. | s5 2 | 0 7 | 6 26 | 6 54 | 26 | s5 5 | 0 11 | 3 24 | 3 51 |
| 27 | Tu. | r6 26 | 1 10 | 7 20 | 7 45 | 27 | r6 24 | 1 13 | 4 17 | 4 42 |
| 28 | We. | s4 59 | 2 12 | 8 9 | 8 32 | 28 | s5 2 | 2 14 | 5 6 | 5 29 |
| 29 | Th. | r6 29 | 3 13 | 8 53 | 9 13 | 29 | r6 26 | 3 14 | 5 50 | 6 11 |
| 30 | Fr. | s4 57 | 4 13 | 9 33 | 9 53 | 30 | s4 59 | 4 13 | 6 31 | 6 51 |
| 31 | Sa. | r6 32 | 5 14 | 10 13 | 10 32 | 31 | r6 28 | 5 13 | 7 10 | 7 28 |

# NOVEMBER

| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---|---|---|
| New Moon ..... | 1d. 1h. 32m. P.M. | 1d. 0h. 32m. P.M. |
| First Quarter ..... | 9d. 3h. 46m. A.M. | 9d. 2h. 46m. A.M. |
| Full Moon ..... | 15d. 7h. 16m. P.M. | 15d. 6h. 16m. P.M. |
| Last Quarter ..... | 23d. 3h. 26m. A.M. | 23d. 2h. 26m. A.M. |

| 1891 | | BOST. & CHI. Local Mean Time. | | BOSTON TIDE Standard Time. | | | N. Y. & PHILA. Local Mean Time. | | NEW YORK TIDE Standard Time. | |
|---|---|---|---|---|---|---|---|---|---|---|
| Day of M. | Day of W'k. | Sun R.&S. | Moon R.&S. | Morning | Evening. | Day of Mo. | Sun R.&S. | Moon R.&S | Morning | Evening. |
| 1 | S | r6 33 | 6 16 | 10 50 | 11 8 | 1 | r6 30 | 6 13 | 7 45 | 8 2 |
| 2 | Mo. | s4 53 | sets. | 11 26 | 11 45 | 2 | s4 56 | sets. | 8 21 | 8 41 |
| 3 | Tu. | r6 35 | 5 56 | ..... | 0 4 | 3 | r6 32 | 6 1 | 9 2 | 9 23 |
| 4 | We. | s4 50 | 6 34 | 0 24 | 0 46 | 4 | s4 53 | 6 40 | 9 44 | 10 6 |
| 5 | Th. | r6 38 | 7 20 | 1 9 | 1 32 | 5 | r6 35 | 7 26 | 10 27 | 10 50 |
| 6 | Fr. | s4 48 | 8 17 | 1 56 | 2 21 | 6 | s4 51 | 8 23 | 11 16 | 11 44 |
| 7 | Sa. | r6 41 | 9 22 | 2 47 | 3 14 | 7 | r6 37 | 9 28 | ..... | 0 13 |
| 8 | S | s4 45 | 10 33 | 3 43 | 4 13 | 8 | s4 49 | 10 38 | 0 42 | 1 12 |
| 9 | Mo. | r6 43 | 11 48 | 4 44 | 5 16 | 9 | r6 39 | 11 52 | 1 43 | 2 15 |
| 10 | Tu. | s4 43 | morn | 5 49 | 6 21 | 10 | s4 47 | morn | 2 47 | 3 18 |
| 11 | We. | r6 45 | 1 4 | 6 52 | 7 22 | 11 | r6 42 | 1 6 | 3 49 | 4 19 |
| 12 | Th. | s4 41 | 2 21 | 7 52 | 8 21 | 12 | s4 45 | 2 22 | 4 49 | 5 18 |
| 13 | Fr. | r6 48 | 3 38 | 8 49 | 9 15 | 13 | r6 44 | 3 37 | 5 46 | 6 13 |
| 14 | Sa. | s4 39 | 4 55 | 9 41 | 10 7 | 14 | s4 43 | 4 53 | 6 39 | 7 4 |
| 15 | S | r6 50 | 6 14 | 10 32 | 10 56 | 15 | r6 46 | 6 11 | 7 28 | 7 50 |
| 16 | Mo. | s4 38 | rises. | 11 19 | 11 43 | 16 | s4 42 | rises. | 8 13 | 8 39 |
| 17 | Tu. | r6 53 | 5 51 | ..... | 0 7 | 17 | r6 49 | 5 57 | 9 6 | 9 32 |
| 18 | We. | s4 36 | 6 43 | 0 32 | 0 58 | 18 | s4 40 | 6 50 | 9 56 | 10 20 |
| 19 | Th. | r6 55 | 7 43 | 1 24 | 1 50 | 19 | r6 51 | 7 49 | 10 45 | 11 11 |
| 20 | Fr. | s4 34 | 8 47 | 2 16 | 2 41 | 20 | s4 39 | 8 53 | 11 37 | ..... |
| 21 | Sa. | r6 58 | 9 52 | 3 6 | 3 32 | 21 | r6 54 | 9 57 | 0 3 | 0 30 |
| 22 | S | s4 33 | 10 57 | 3 58 | 4 24 | 22 | s4 38 | 11 1 | 0 57 | 1 23 |
| 23 | Mo. | r7 0 | morn | 4 50 | 5 16 | 23 | r6 56 | morn | 1 48 | 2 14 |
| 24 | Tu. | s4 32 | 0 1 | 5 42 | 6 8 | 24 | s4 37 | 0 4 | 2 40 | 3 6 |
| 25 | We. | r7 3 | 1 2 | 6 33 | 6 57 | 25 | r6 58 | 1 4 | 3 30 | 3 54 |
| 26 | Th. | s4 31 | 2 2 | 7 19 | 7 41 | 26 | s4 36 | 2 2 | 4 17 | 4 40 |
| 27 | Fr. | r7 5 | 3 2 | 8 5 | 8 29 | 27 | r7 0 | 3 1 | 5 3 | 5 26 |
| 28 | Sa. | s4 30 | 4 3 | 8 50 | 9 11 | 28 | s4 35 | 4 1 | 5 48 | 6 9 |
| 29 | S | r7 7 | 5 7 | 9 33 | 9 55 | 29 | r7 2 | 5 4 | 6 31 | 6 53 |
| 30 | Mo. | s4 29 | 6 14 | 10 17 | 10 39 | 30 | s4 34 | 6 10 | 7 14 | 7 34 |
| .. | ..... | ..... | ..... | ..... | ..... | .. | ..... | ..... | ..... | ..... |

# DECEMBER

| MOON'S PHASES. (In Standard Time.) | BOSTON. And Eastern Division. | CHICAGO. And Central Division. |
|---|---|---|
| New Moon | 1d. 6h. 45m. A.M. | 1d. 5h. 45m. A.M. |
| First Quarter | 8d. oh. 13m. P.M. | 8d. 11h. 13m. A.M. |
| Full Moon | 15d. 7h. 52m. A.M. | 15d. 6h. 52m. A.M. |
| Last Quarter | 23d. oh. 38m. A.M. | 22d. 11h. 38m. P.M. |
| New Moon | 30d. 10h. 20m. P.M. | 30d. 9h. 20m. P.M. |

| 1891 | | BOST. & CHI. Local Mean Time. | | | BOSTON TIDE. Standard Time. | | | N. Y. & PHILA. Local Mean Time. | | | NEW YORK TIDE. Standard Time. | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D. of M. | Day of Wk. | Sun R.&S. | | Moon R.&S. | Morning. | | Evening. | Sun R.&S. | | Moon R.&S. | Morning. | Evening. |
| 1 | Tu. | r7 | 9 | sets. | 11 | 0 | 11 21 | r7 | 4 | sets. | 7 54 | 8 15 |
| 2 | We. | s4 | 28 | 5 16 | 11 | 44 | ..... | s4 | 33 | 5 22 | 8 40 | 9 6 |
| 3 | Th. | r7 | 11 | 6 11 | 0 | 7 | 0 31 | r7 | 6 | 6 18 | 9 30 | 9 53 |
| 4 | Fr. | s4 | 28 | 7 14 | 0 | 55 | 1 20 | s4 | 33 | 7 20 | 10 16 | 10 41 |
| 5 | Sa. | r7 | 14 | 8 25 | 1 | 46 | 2 12 | r7 | 8 | 8 30 | 11 8 | 11 33 |
| 6 | S | s4 | 28 | 9 39 | 2 | 38 | 3 3 | s4 | 33 | 9 43 | ..... | 0 0 |
| 7 | Mo. | r7 | 16 | 10 53 | 3 | 29 | 3 56 | r7 | 10 | 10 56 | 0 27 | 0 55 |
| 8 | Tu. | s4 | 28 | morn | 4 | 24 | 4 53 | s4 | 33 | morn | 1 23 | 1 51 |
| 9 | We. | r7 | 17 | 0 6 | 5 | 22 | 5 51 | r7 | 12 | 0 8 | 2 20 | 2 49 |
| 10 | Th. | s4 | 28 | 1 20 | 6 | 21 | 6 51 | s4 | 33 | 1 20 | 3 19 | 3 49 |
| 11 | Fr. | r7 | 19 | 2 35 | 7 | 21 | 7 50 | r7 | 14 | 2 34 | 4 18 | 4 47 |
| 12 | Sa. | s4 | 28 | 3 51 | 8 | 19 | 8 47 | s4 | 33 | 3 48 | 5 15 | 5 44 |
| 13 | S | r7 | 21 | 5 7 | 9 | 14 | 9 42 | r7 | 15 | 5 3 | 6 12 | 6 40 |
| 14 | Mo. | s4 | 28 | 6 25 | 10 | 9 | 10 36 | s4 | 34 | 6 20 | 7 6 | 7 36 |
| 15 | Tu. | r7 | 22 | rises. | 11 | 2 | 11 27 | r7 | 17 | rises. | 7 55 | 8 22 |
| 16 | We. | s4 | 29 | 5 24 | 11 | 51 | ..... | s4 | 34 | 5 31 | 8 49 | 9 15 |
| 17 | Th. | r7 | 24 | 6 29 | 0 | 16 | 0 42 | r7 | 18 | 6 35 | 9 40 | 10 3 |
| 18 | Fr. | s4 | 29 | 7 35 | 1 | 6 | 1 30 | s4 | 35 | 7 40 | 10 26 | 10 48 |
| 19 | Sa. | r7 | 25 | 8 41 | 1 | 53 | 2 16 | r7 | 20 | 8 45 | 11 10 | 11 33 |
| 20 | S | s4 | 30 | 9 47 | 2 | 38 | 3 0 | s4 | 36 | 9 50 | 11 57 | ..... |
| 21 | Mo. | r7 | 26 | 10 50 | 3 | 21 | 3 43 | r7 | 21 | 10 51 | 0 20 | 0 42 |
| 22 | Tu. | s4 | 31 | 11 51 | 4 | 5 | 4 27 | s4 | 37 | 11 52 | 1 4 | 1 26 |
| 23 | We. | r7 | 27 | morn | 4 | 50 | 5 14 | r7 | 22 | morn | 1 49 | 2 12 |
| 24 | Th. | s4 | 32 | 0 51 | 5 | 38 | 6 2 | s4 | 38 | 0 51 | 2 36 | 3 0 |
| 25 | Fr. | r7 | 28 | 1 51 | 6 | 26 | 6 51 | r7 | 22 | 1 49 | 3 24 | 3 48 |
| 26 | Sa. | s4 | 34 | 2 53 | 7 | 16 | 7 41 | s4 | 39 | 2 50 | 4 12 | 4 37 |
| 27 | S | r7 | 29 | 3 58 | 8 | 6 | 8 32 | r7 | 23 | 3 54 | 5 3 | 5 29 |
| 28 | Mo. | s4 | 35 | 5 4 | 8 | 57 | 9 23 | s4 | 40 | 4 59 | 5 55 | 6 21 |
| 29 | Tu. | r7 | 29 | 6 10 | 9 | 49 | 10 15 | r7 | 24 | 6 4 | 6 47 | 7 12 |
| 30 | We. | s4 | 36 | 7 15 | 10 | 40 | 11 5 | s4 | 42 | 7 9 | 7 35 | 7 58 |
| 31 | Th. | r7 | 30 | sets. | 11 | 29 | 11 53 | r7 | 24 | sets. | 8 24 | 8 51 |

Ther. THURSDAY, JAN. 1, 1891 Wea.

Me & Charles - Andrew - Sam & Blue Harris went up to Cotton wood grove after Deer - saw about 15 at long Range got none - very fine day for the begin of the year.

Ther. FRIDAY 2 Wea.

Mother & Andrew went back to Olney - Me and Charles and Harris Boys went to Salt Creek. saw a few Deer did not get any one stayed all night at Log Shanty.

Ther. SATURDAY 3 Wea.

Very cold this morning very strong wind started home about 2 P.M. Saw a few Deer on divide on our return did not go after them, got home about 4 P.M.

Ther. SUNDAY, JAN. 4, 1891 Wea.

Charles went to Olney with the Harris boys. returned at night

Windy day. not very cold.

Ther. MONDAY 5 Wea.

Fetched two load of Cedar for firewood from Dug away. Me & Charles Dick Kate & Joe went for it

Ther. TUESDAY 6 Wea.

Killed old Pet cow

Ther. WEDNESDAY, JAN. 7, 1891 Wea.

Me and Charles. Dick Kate and Joe went to Coston Wood grain Did not see any Deer It was very windy blowing from the East and drifty. very cold

Ther. THURSDAY 8 Wea.

Charles & Kate went to Olney. with the team and Buggy came back at night very cold day Me & Dick Gathered Lumber Stable

Ther. FRIDAY 9 Wea.

Hayed all the Stock fetched up from Meadow. they all look in good condition have not fed much Hay to any of them yet

Ther. SATURDAY, JAN. 10, 1891 Wea.

Cleaned stables out. Hauled the manure on the Timothy patch front of the house.

Ther. SUNDAY 11 Wea.

Boys & Kate went up to Alvin in the Buggy. Came back at night
Jas Bruce & Charles Peterson came down hunting stock
Beautiful day —

Ther. MONDAY 12 Wea.

Charles & Kate went up to Alvin after mail.
Very fine day —
very cold at night.

Ther. TUESDAY, JAN. 13, 1891 Wea.

Staid in the house not feeling well
very fine day
quite warm
the middle of the day
very cold last night

Ther. WEDNESDAY 14 Wea.

Me and Dale went up to Alvin with Billy & Bess and the Buggy went to Edith at night, staied a little while, sat Leave down to store after mail

Ther. THURSDAY 15 Wea.

Came down to Ranch
10-30 A.M.
Fetched McCormick machine from the meadow. Put it in Buggy house —
very fine day

Ther. FRIDAY, JAN. 16, 1891 Wea.

Me and Children went to Cottonwood Grove with the Buggy did not see any Deer Drove Bastons Horses down to Ranch. Quite warm this afternoon

Ther. SATURDAY 17 Wea.

Charles and Dick went to Alvey with the Buggy Brought down Seth & Andrew very fine day today -

Ther. SUNDAY 18 Wea.

Charles & Kate went to Alvey and took Seth & Andrew back, they stay all night.

Ther. MONDAY, JAN. 19, 1891 Wea.

Charles & Kate came back from Alvey about 11 A.M.
Cut the meat up very fine day

Ther. TUESDAY 20 Wea.

Very misty this morning
Went to Richard's Canyon with the Sleg brought some flat rocks back for door step
very fine day -

Ther. WEDNESDAY 21 Wea.

Charles - Kate & Joe went to Alvey in Buggy - Joe staid up there
Me and Dick worked on Cellar getting it ready for Ice to be put in it
very fine day but rather cold

Ther. THURSDAY, JAN. 22, 1891 Wea.

Charles & Kate came back last night from Alury — Worked on Cellar — Made a Door for it warm day — Feeding just a little to horned stock — & Colts.

Ther. FRIDAY 23 Wea.

Fetched two loads of Ice from River very fine day — about six inch of snow on meadow,

Ther. SATURDAY 24 Wea.

Fetched one load of Ice — Charles & Dick went to Alury in Buggy Mother came back with them, Andrew came down with a load of Sawdust.

Ther. SUNDAY, JAN. 25, 1891 Wea.

Put all the Ice we had on hand in Cellar — Put the Harness on Doll Mare she took a circus round the bench she was very wild Tom Bradshaw & Duckworth came for Tom's Horse

Ther. MONDAY 26 Wea.

Mother went back with Andrew last night to Alury — We and the children put two more load of Ice up which finished what we wanted to put up —

Ther. TUESDAY 27 Wea.

Thrashed some Timothy Storming all day

Ther. WEDNESDAY, JAN. 28, 1891 Wea.

about six inch of snow fell last night. very warm day - Thawing very fast. Charles & Dick went to Almy with the Sleg - Cashins Book/cecher & Wife came down

Ther. THURSDAY 29 Wea.

Strange Stock broke in Cowalls last night Charles & Dick came back from Almy 10-30 A.M. Fetched the Floor from Seths house

Ther. FRIDAY 30 Wea.

Repaired Con Starkyard fence - fetched water Me and Kate went to Almy in Cutter to stay all night Suprise party at John Russells. did not go

Ther. SATURDAY, JAN. 31, 1891 Wea.

Me & Kate came down to Ranch brought joe back with us Mines Falls yesterday & today Starkey came down with Andrew. Will came down on Judy. Moderate day for time of year.

Ther. SUNDAY, FEB. 1 Wea.

Blowing & drifting this morning. very storing all day - Andrew fixed the Sleg up and left his waggon down here = Storming very bad at 5 P.M. Concluded not to go up tonight. Starkey went up on Judy

Ther. MONDAY 2 Wea.

Andrew started for Almy with Sleigh. Me & Will followed him with Cutter Snow about two ft deep where it had drifted. had a little trouble to get up I came Back tonight with Eths boy James.

Ther. TUESDAY, FEB. 3, 1891 Wea.

Ther. WEDNESDAY 4 Wea.

Very fine morning very cold last night. Fixed Waggon box.

Ther. THURSDAY 5 Wea.

Charles brought waggon up to Alma. I came up on the Cutter. very fine day.

Ther. FRIDAY, FEB. 6, 1891 Wea.

Ther. SATURDAY 7 Wea.

Charles & Kate went up to Alma in Cutter Kate came back with Starky & Seth, they had two dump rams; Charles came down with Andrew brought some coal.

Ther. SUNDAY 8 Wea.

Mr. Seth. Starky. Charles & Andrew went a ride in the Sleigh up Canyon nice day but Cold. Andrew went back to Alma. took Cutter James with him

Ther. MONDAY, FEB. 9, 1891 Wea.

Very cold today
Charles took starting
and Seth up
to Alvin - in cutter
Practising with the
Rifles at about 250 yds
Hank Lee called here
He is a regular bore
I lost my Pocket Book
I think Lee has got it

Ther. TUESDAY 10 Wea.

Charles came
back about noon
fine day but cold
Horses have been sick
with distemper for
several days

Ther. WEDNESDAY 11 Wea.

Hung the Door
at Timothy Shed
fine day

Ther. THURSDAY, FEB. 12, 1891 Wea.

Me & Joe went up
to Alvin.
Dick walked up in
the afternoon he said
Charles had been
whipping him
old Lady Williams died
while I was up there

Ther. FRIDAY 13 Wea.

Came down about
noon today, a very
warm day.

Ther. SATURDAY 14 Wea.

Charles & Kate &
Dick went up to Alvin
except going to Valentine
dance.
Joe's Birthday
Lille & Norah
came over from
Town to Alvin

Ther. SUNDAY, FEB. 15, 1891 Wea.

Andrew came down on Horseback last night
Charles & Kate & Joe came down about noon today -
I went up with Andrew after Dick who walked up to Alma on Friday last

Ther. MONDAY 16 Wea.

Up at Alma -
Mother went away.
Lillie & Norah was here,
I came down in Cutter got down here about 9.30 a.m.
About six o'clock P.M.
A Terrible Blizzard started

Ther. TUESDAY 17 Wea.

Ther. WEDNESDAY, FEB. 18, 1891 Wea.

Cleaned Stables out 4 loaders put it on Timothy patch -
Mr & Dick went - up to Alma
J Bear had been to Alma - drunk said he wanted Lillie if he could not get her he would shoot her

Ther. THURSDAY 19 Wea.

Dick went over town to have Pet Mare shoe
I stayed at the house till Dick came back
Lillie is very sick

Ther. FRIDAY 20 Wea.

Mr & Charles went to Alma -

Ther. SATURDAY, FEB. 21, 1891 Wea.

Ther. SUNDAY 22 Wea.

Ther. MONDAY 23 Wea.

Me and Charles went up to Alney. I went in Cutter Charles rode judy and led Billy horse up. very heavy storm at night. Took some

Ther. TUESDAY, FEB. 24, 1891 Wea.

Me and Charles came back from Alney. brought the old sleigh down to repair it. also old sleighs from No 4 mine. snowing and drifting very bad

Ther. WEDNESDAY 25 Wea.

Stayed in the house all day. Kate went to Alney on Pet Mare Blowing and drifting

Pet Mare kicked Billy Horse –

Ther. THURSDAY 26 Wea.

Thrashed Timothy saw a great number of sage Hens flying over mouth Kate came from Alney. said Billy Wardle was dead Windy and storm

Ther. FRIDAY, FEB. 27, 1891 Wea.

Repaired the Sleigh
Snowing away.
heavy all along
but it was very
wet snow.
melted nearly as fast
as it came.

Ther. SATURDAY 28 Wea.

Me & Charles went
to Alma with old Sleigh
to bring coal back.
Dick rode back ahead
Stormed very bad
snowing and drifting
Charles came back
on foot.

Ther. SUNDAY, MAR. 1 Wea.

Snowing all night
very wet snow.
Raining this morning
me & Dick came down
to Ranch with Coal.
Commenced to snow
very heavy about noon
very cold.

Ther. MONDAY, MAR. 2, 1891 Wea.

About 12 inch of snow
fell last night.
Blowing & drifting very
bad. about 3 ft deep
front of the house.
Me & Charles threshed
Timothy in the afternoon
Dick sick to bed.

Ther. TUESDAY 3 Wea.

7. A. M. fine Morning
but cloudy.

Ther. WEDNESDAY 4 Wea.

Ther. THURSDAY, MAR. 5, 1891 Wea.

Lillie went to a Party held at some McPhee tonight against Aunt Emma's wish

Ther. FRIDAY 6 Wea.

Lillie came home about 2 A.M. accompanied by young McPhee Shee abused Mother very bad at Edith's shut door in her face.

Ther. SATURDAY 7 Wea.

Ther. SUNDAY, MAR. 8, 1891 Wea.

Made new double-tree for Andrew - Put a new Shoe on Reevers Sleigh - Andrew & Charles took big load of Hay to Garrett Dumped over on dug way - broke Rack & back end of bobs sled down.

Ther. MONDAY 9 Wea.

Me & Dick went to Alvin in Butler - Andrew went back. took a doubly waggon box full of Hay to Thos Sneddon.

Storming today very bad

Dug out the lower dugway

Ther. TUESDAY 10 Wea.

about 8 inch of snow fell last night when we and Dick came down old tracks was drifted up.

Ther. WEDNESDAY, MAR. 11, 1891 Wea.

Me & Kate (& Joe) went up to Almy in Cutter staged all night. too much snow to haul any Hay so far this week. hundres of Sage Hens flyaround on the bunches around the ranch

Ther. THURSDAY 12 Wea.

Me & Kate came down to ranch (left Joe up there) Charles & Dick went to pick Coal at No 7 - roads are so bad we have to keep travelling up them to get them padded.

Ther. FRIDAY 13 Wea.

Took a load of Hay to Sneddens ten to eleven hundred, paid $5.00 for it roads was pretty good got down about 3.30 P.M. loaded up tonight to go to Beveredges.

Ther. SATURDAY, MAR. 14, 1891 Wea.

Chas & Dick went up with about 1100# of hay to Beveridges got down about noon. Me & Charles took about 1100# to Rowbotham. Very warm day snow melting very fast.

Bear was in Almy tonight

Ther. SUNDAY 15 Wea.

I Came to Ranch this morning Andrew came with us - very fine day - Charles & Andrew took a load of Hay to Almy Petersons about 1200# Very warm snow going very quick.

Ther. MONDAY 16 Wea.

Charles came down about 10 A.M. loaded another load for Daniels about 1300# Chas came down about 5 P.M. - loaded a about 1500# for Alma Petersen, to go first thing in the morning

Ther. TUESDAY, MAR. 17, 1891 Wea.

Thrashed Timothy out,
Fed Horses about Six
A. M. Charles & Dick
went to Almy with Hay
for Petersons, got back about
one o'clock. Took about
1200# for Garrets, Snow very
Soft bad Sleyhing. Levi
& Peterson boy came down

Ther. WEDNESDAY 18 Wea.

very fine morning (No 7 Idle 3 days)
Loaded a load about 1500#
for Chas Morgan. Charles
went up with it. Me
& Dick went up in Cutter
Charles came back him &
Kate loaded about 1300# for
Daniels, Me & Dick came back
afternoon. Norah came home for a week

Ther. THURSDAY 19 Wea.

Charles & Kate loaded about
1300# last night for Daniels
Charles & Dick took it up
they got back about
3 P.M. Me & Kate
thrashed Timothy
finished it Cleaned Plan
Sut. Looks very much
like Storm, Blowing hard

Ther. FRIDAY, MAR. 20, 1891 Wea.

Took 1500 lbs to Garretts. She
paid for the whole $1800, Me
& Dick went to Almy. Came back
in the afternoon, Norah was at
Almy she came on the 18 - leave
of absence for one week.
Girls went to Stanforths party -
they say they had a good time

Ther. SATURDAY 21 Wea.

Cleaned out the Stables,
Charles & Kate went up to Almy
Andrew brought sawdust
down, Seth & Starkey came
down with him.
Thawed considerable
today.

Ther. SUNDAY 22 Wea.

Put sawdust on Ice in
Cellar, need another load
Seth & Starkey helpt us -
Charles & Kate came
down Norah came down
with them. very windy
this afternoon, snowing &
Drifting very bad. Boys got
up to Almy

Ther. MONDAY, MAR. 23, 1891 Wea.

East wind blowing very strong
Had to put Stock in Stack -
worst Storm I ever saw.
Stock covered with about two inches
of Snow - could not see ten
feet for drifting snow -
- Put Horned Stock in
Corrall to night, drifting
very bad get about 15 inch of
snow on the level

Ther. TUESDAY 24 Wea.

Charles & Dick went to
pick a load of Coal, Me & Kate
took Norah back in Cutter
boys got back about noon Me &
Kate about 3 P.M. Hitched the
Cream Colored Horse up with Joe
went to Whitney corner, worked good
Very fine day - Thawing

Ther. WEDNESDAY 25 Wea.

Misty morning - Hauled
two loads of Rock from
Harry's hole. with Cream
& Billy Horses, Saw Sage
Hens on the bench quite a number
- Thawed quite a lot today
Cannot Sleigh very well
to Alvey

Ther. THURSDAY, MAR. 26, 1891 Wea.

Charles & Dick went
to Alvey - with Sleigh
brought some Coal. Wanless
& Starkey. came down with
them, Me & Kate Hidden
Old Joe & in Cutter -
Cut a large Cedar down
Snow to deep could get to haul it
down

Ther. FRIDAY 27 Wea.

Me & Jim & Starkey & Charles went
up Canyon to look for Deer could not
see any - Snow two feet on the Level
we could not travel without great
exertion, came back tired
saw no deer -
Lincy & Rony Calved today in the
Willows. Very heavy snow Storm

Ther. SATURDAY 28 Wea.

Storming very bad - fixed
a new Tongue on Sleigh
Charles & Kate went to Alvey
with Jim & Starkey -
Andrew came back
with them - Lincy cow very
sick

Ther. SUNDAY, MAR. 29, 1891 Wea.

Put partitions in Timothy shed for the young Calves Mr. Andrew S Dick went up to Alvy in the Buggy. Snow very deep in some places other places bare, heavy on the Horses. Snowing all day

Ther. MONDAY 30 Wea.

Mr S Dick came from Alvy this A.M. brought some grain Borrowed Ephe Harris shot Gun Saw Hundreds of Sage Hens on bench above the House. I shot one-

Ther. TUESDAY 31 Wea.

Went to top of the Hill with mayson 1 to break the track so we could haul Hay. snow a little all day

Ther. WEDNESDAY, APRIL 1, 1891 Wea.

Hauled a load of Hay to Wallworks about 1000# He paid $4.50 for it.
Carrie came back with us
Loaded another load to start early in the Morning

Ther. THURSDAY 2 Wea.

Took a load to Hayes about 1000# Paid Charles he left the money with Will.
Liney Cow is very sick
Fixed Double Tree for Buggy. Cloudy dull day Thaw but little.
Liney Cow is very sick

Ther. FRIDAY 3 Wea.

Took about 1200 lb to Petersons Charles S Dick took it I went up on Horse back on judy
Thawed very much
Seth & Starkey started for Conference

Ther. SATURDAY, APRIL 4, 1891 Wea.

Took a load of Hay to Red house at Morris Corner Carrie Kate came to Alney. Andrew came back in Buggy with Kate & two Harris boys. Liney Cow very sick.

Ther. SUNDAY 5 Wea.

Red Heifer calved — Heifer calf. Liney one better Came up in Buggy with Charles & two Harris boys. Thawing very fast.

Ther. MONDAY 6 Wea.

Carrie & Charles went back to Ranch took sawdust down Me & Mary went town to see Judge Corn in regard to School Matters. My case comes up tomorrow 10 A.M. Blossom Cow calved

Ther. TUESDAY, APRIL 7, 1891 Wea.

Bloss Cow calved today Went over to town to court. my case did not come up again will have to go over tomorrow. Andrew & Dick came from Ranch very stormy day & very cold Andrew went back to Ranch on Horseback. Dick staid up here

Ther. WEDNESDAY 8 Wea.

Went over town this A.M. My case did not come up till 2 P.M. when presented it was dismissed at once. Seth came back from conference. rode from town with us. Roads very bad very cold day. Charles came up from Ranch on Horse back said Liney Cow died yesterday

Me & Dick came down to Ranch Paid for the Register also for Advertising Estray Horses.

Ther. THURSDAY 9 Wea.

Buried Liney cow. Andrew went back to Alney this P.M. Bess Mare got a very bad leg had to leave her at Alney

Ther. FRIDAY, APRIL 10, 1891 Wea.

Ther. SATURDAY 11 Wea.

Charles & Dick
went up to Almy -
Wife came back
with them
Thawing very fast

Ther. SUNDAY 12 Wea.

Staid at home
all day went to
Almy to take Wife
back Kate went
up with us
Andrew Kennedy's
Wife died

Ther. MONDAY, APRIL 13, 1891 Wea.

Me & Kate came
back in the Buzz
Thawing very fast
Fetched a Load of
Cedar for fine wood
Several bare places
on Meadow -
River breaking up

Ther. TUESDAY 14 Wea.

Hauled Manure
from Lumber Stable
up to dam at reservoir
in Pasture
Heavy snow Storm
about noon

Ther. WEDNESDAY 15 Wea.

Me & Charles went
to Almy with Pet & Billy
and little waggon - roads
very bad & brought Bess
Mare back with us
Her leg is nearly well

Ther. THURSDAY, APRIL 16, 1891 Wea.

Me & Children dug 27 Post holes and put the posts in. Thawing none today than any day yet. Green grass springing up very nicely.

Ther. FRIDAY 17 Wea.

Charles & Dick went to Alma with little waggon took box full of Hay. I dug about 10 post holes, had to quit snow to deep - Kate Heifer calved Boys came back from Alma - brought word Seth was notified his Patent had come

Ther. SATURDAY 18 Wea.

I worked on Dam in Pasture it was to froze to do anything with.
Me & the boys scraped Manure in a heap in Cow shed
Andrew & Will came down on Horse back

Ther. SUNDAY, APRIL 19, 1891 Wea.

Hitched Derby Horse up went up to Green dug way with him & old Pet. He worked first rate
Seth walked down to Ranch
I went up with Buggy with Seth & Will. to stay all night -

Ther. MONDAY 20 Wea.

I went over town with Esther and got Her Patent for the land. saw Epperson - Had quite a talk with him came down to Ranch at night with Carrie

Ther. TUESDAY 21 Wea.

Dug Holes for Post side of County road. up towards South east corner. Hauled from dam in River the apparatus what we had to refain the dam with - Snow nearly all gone from Meadow

Ther. WEDNESDAY, APRIL 22, 1891 Wea.

Pulled out Post on lower side of Whitney ditch ready for moving up to County road. Snow has nearly all gone off the meadow Dug about 20 post holes at the upper corner

Ther. THURSDAY 23 Wea.

Hauled Posts up for new Fence
Went up to Alny to arrange for Andrew to come down

Ther. FRIDAY 24 Wea.

Andrew came down with his Team to help plow ditches on Meadow Seth & Starkey came down as well

Ther. SATURDAY, APRIL 25, 1891 Wea.

Plowed a outlet Ditch just below the Bridge on big ditch also one on the bank of Seth. Slough and one at Seths top corner

Ther. SUNDAY 26 Wea.

Harry walked down from Alny
Went to Alny with Buggy took Mother back also carrie
Andrew took his Team back with Starky & Seth. Esther & Mary

Ther. MONDAY 27 Wea.

I came back from Alny with Buggy & Norah.
Hauled Sod away from new ditch
Repaired old Ditch bank. quite a lot of water on Meadow

Ther. TUESDAY, APRIL 28, 1891 Wea.

killed
Finished Hauling Posts
for new fence -
Fixed lower viaduct
to keep water from
running into Whitney
ditch. very fine day

Ther. WEDNESDAY 29 Wea.

Kate & Charles went
up to Alury - Me &
Dick Hauled sods from
new ditch on meadow
till noon Charles & Kate
came back said Edith
was very sick.
Tamped Post along side
of County road -

Ther. THURSDAY 30 Wea.

Very fine morning
Dick went to Alury or House
back to take some meat
to Edith who is very sick
also to fitch gum Boots for
Charles - Me & Charles put
Wire on new fence -
Very windy today

Ther. FRIDAY, MAY 1, 1891 Wea.

Worked on Fence
on County road
Me & Dick Norah & Joe went up
to Alury - with buggy
Andrew came
down - Me & Dick
came back tonight
about 10 P.M.

Ther. SATURDAY 2 Wea.

Plowed ditches in
Pasture - also
broke some land
up right side of
Cans front of House
very fine day -
Dick took Prime Horse
up for Fence

Ther. SUNDAY 3 Wea.

Hicked Derby up went
to cottonwood grove
I went to Alury Andy
went as well
Edith has been very sick
this last week
little better today

Ther. MONDAY, MAY 4, 1891 Wea.

Came back from Almy early this A.M. Carrie came with me also Edith, James & Reuben. Seth & Starby came down. nearly finished putting Wire on Fence next County road

Ther. TUESDAY 5 Wea.

Finished Plowing the peice marked out front of the House. Levi & Derbyshire came down. I arranged to buy his colt to keep it for a Stud. I will pay him $ for it. We put the L7 brand on it. Caught some fish out of big ditch.

Ther. WEDNESDAY 6 Wea.

Sowed Timothy on peice at right hand of Bars front of the house. Put posts up in lane to Meadow, repaired Fence. James Wanlass came down Carry on been hunting. Went to Almy in Buggy with Jim. Seth Starby Carrie Dick

Ther. THURSDAY, MAY 7, 1891 Wea.

Came back from Almy last night Plowed for Turnips Sowed some Turnips also Radish Lettuce. Onions Thundered & Lightened last night

Ther. FRIDAY 8 Wea.

Charles & Dick went to River bridge to crosset to go after Fence Cow which had gone over the River they could not find it. Andrew & Will Starby & Seth came down Will was laid of owing to trade being so Sick

Ther. SATURDAY 9 Wea.

Plowed a Ditch for Seth at top end. Plowed a peice up in Pasture.

Will took Buggy to Almy to fetch Mother & Edith down. They got down about 8 P.M. Aunt Emma Came down. River very high

Ther. SUNDAY, MAY 10, 1891 Wea.

Drove the folks around the Meadow in the Buggy. went up to Cotton wood grove. Brought the folks up to Almy. very nice day. took Fen Cow home.

Ther. MONDAY 11 Wea.

Send Andrews key to Stable up not to forget. Came down to Ranch with Carrie. Norah & Hulle. They came down to clean the houses. Sowed Beets & Turnips in the old garden

Ther. TUESDAY 12 Wea.

Plowed in pasture & grubbed Brush Starky helped us very warm day Thundered & lightened

Ther. WEDNESDAY, MAY 13, 1891 Wea.

Plowed in pasture & Grubbed Brush Starky & Seth walked down Starky helped Plough. Seth went up the Canyon to look for his Mare.

Ther. THURSDAY 14 Wea.

Plowed and grubbed brush in pasture Fen sent down for his Mare & Colt Me & Will went to Almy in Buggy Starke went up home

Ther. FRIDAY 15 Wea.

Plowed & grubbed brush in Pasture Raining all day very cold day sowed Carrots in new garden.

Ther. SATURDAY, MAY 16, 1891 Wea.

Finished Plowing in Pasture excepting what Seth needs.
The Girls went to Almy
Kate came back.
Andrew came down
brought both waggons
Seth & Starky walked down

Ther. SUNDAY 17 Wea.

Shut water of in Big Ditch, snaked Ded cow out of Ditch
Seth, Starky, May & Esther came down in their new waggon
took a drive down in meadow all got wet through
very heavy thunder storm
Mr & Dick went to Almy & came back at night

Ther. MONDAY 18 Wea.

See about Rope 3/8 thick
Charles went up with Buggy brought Norah back with him.
brought 3/8 Rope for Lariat
Plowed in Pasture, grubbed brush Raining

Ther. TUESDAY, MAY 19, 1891 Wea.

Hauled Manure for Potatoes in old garden
Plowed in Pasture & grubbed brush
made some ditches side of Canyon Creek
Raining nearly all day
Blowing a gale

Ther. WEDNESDAY 20 Wea.

Seth & Starky came down, Plowed some land for Seth's garden in pasture or new garden
finished plowing in pasture for this season. Starky makes beds for his seeds
very heavy rain Thunder & lightning very heavy storms

Ther. THURSDAY 21 Wea.

Seth & Starky stayed all night could not go up for the storm. Raining this morning very heavy Thunder storm today. Will & Dick went to Almy for Cool, got very wet. Seth & Starky went home tonight

Ther. FRIDAY, MAY 22, 1891 Wea.

Raised all forenoon. Plowed where the old house stood. Grubbed brush in pasture.
Shot two Ducks one shot on Lake at bottom of meadow.

Ther. SATURDAY 23 Wea.

Fine morning sowed Timothy in Pasture before breakfast. Will Harrowed it in. Seth. Starkey & their Family came down & sowed some seeds in their garden. Will & Kate went up to Almy with Biggs to fetch Mother & Lille Down. They arrived at Ranch about 8. P.M. Andrew Andrew also came down

Ther. SUNDAY 24 Wea.

Andrew came down last night. Hitched Doll Mare up for first time. Harry & Carrie & Esther Harris came down. Seth. Esther & Starkey & May came down in their Team. All the folks went back with Lille & Norah.

Ther. MONDAY, MAY 25, 1891 Wea.

Sowed seed at old house &. Plowed Ditch at outlet from Whitney ditch. Dug Post holes. Charles & Kate went to Almy to go to Circus. Very heavy thunder Storm tonight

Ther. TUESDAY 26 Wea.

Dam washed out in big ditch. We fixed it up again. Dug 14 post holes in new garden and put Posts in. Charles Kate, Carrie & Lille came back from Almy. No Circus.
Seth & Starkey came down and finished sowing their small seed.

Ther. WEDNESDAY 27 Wea.

Me. Will. Charly & Dick went for Poles to the divide to build Fence between new Garden & Pasture brought 43 Poles back raining a little.

Ther. THURSDAY, MAY 28, 1891 Wea.

Put poles up on garden fence. Fen fetched his Colt. I told him Charges would be $15.00 he wished me to take the Hafer. for $12.00 I agreed to it. Carrie. Lille - Willie went to Alvin. Came back tonight

Ther. FRIDAY 29 Wea.

Sowed Timothy just below the Meadow gate. Mothe & Andrew came down very heavy thunderstorm Judy had a Colt this A.M. Lille Shoes & [illegible]

Ther. SATURDAY 30 Wea.

Decoration day. Seth & Family Starkey & Family three of Edith's, Harry Harris came down to spend the day. Several teams went up the Canyon - went to Cotton wood grove several parties there

Ther. SUNDAY, MAY 31, 1891 Wea.

The Children had a team Joe & the Grays went to Richards Canyon, they say they had a splendid time Roped the Sorrell turned Red cloud out. Thunder storm - all the folks went back to Alvin excepting Lille & Norah

Ther. MONDAY, JUNE 1 Wea.

very heavy snow storm also wind at 5. A.M.

Ther. TUESDAY 2 Wea.

Tutty had a fine Mare Colt.

Ther. WEDNESDAY, JUNE 3, 1891 Wea.

Note from Epperson
in regard to taxes
Carrie brought it down
on Horseback.
Sharp frosts at night
Me & Will went to Almy
to get Evanston tomorrow
Rained every day for a Month

Ther. THURSDAY 4 Wea.

Ther. FRIDAY 5 Wea.

Put Potatoes in new garden
Fix some fence in garden
Danks came with his Stud
Horse put her to Judy —
Pet — & Doll Seth & Starkey
was down

Ther. SATURDAY, JUNE 6, 1891 Wea.

Finished Fence in new
garden — repaired pasture
fence, Put Danks Horse
to Bess she kicked him
he had to be took home.
Lille & Norah & Joe went to Almy
with Will. Will & Norah & Joe
came back Lille stayed —
Andrew came down

Ther. SUNDAY 7 Wea.

Andrew brought a letter from Epperson
Judge Kirby & Wife came
down for a visit
Seth, Starkey & their
Families came down &
went up Canyon took their
dinner up with them
Me & Charles went up to Almy
with Buggy — Andrew went back

Ther. MONDAY 8 Wea.

Me & Mother & Charles went to
Evanston, saw Epperson, made
new arrangements with him
and annelled the old ones —
Starkey & Mary came over town
in the Express they came back
with us, came back to Ranch
brought three Sks Potatoes

Ther. TUESDAY, JUNE 9, 1891 Wea.

Very sharp frost this A.M. finished planting potatoes in new garden. Sowed red top in Canyon ditch. Sowed some wheat & barley in new garden. Made irrigating ditches in new garden. Timothy coming up very good

Ther. WEDNESDAY 10 Wea.

Ice 1/4 inch thick. Plowed a ditch from outlet at Whitney's ditch along side of fence in Meadow, down opposite Whitney's bars. Danks came down with his horse Tutty took the horse He went back tonight. Seth & Starkey came down. Will Kate & Dick went to Alney come back at night

Ther. THURSDAY 11 Wea.

Commenced to plow at 6.30 this A.M. at the upper end of new garden for Oats plowed all day. Bell had a Calf. Seth & Starkey came down Starkey picked brush all day. Hottest day of the season. Cold toward night

Ther. FRIDAY, JUNE 12, 1891 Wea.

Sowed Oats at top end of new garden. — Bell cow had a Heifer calf — Seth - Starkey & Fannie came down to Ranch Me - Seth - Starkey. Willie. Charles & Dick went hunting at head of Richard Canyon. Came very wild & scarce got nothing Camped out all night

Ther. SATURDAY 13 Wea.

Hunted around at the head of Salt Creek saw a few antelope quite a way off returned home at noon. Danks was here with his horse. — Bess Mare stood for him & Fried Pet she refused. also Doll refused. Judy took him. Caught a Mare in corral for Bright Andrew came down & went to Alney. Came back and brought Mother

Ther. SUNDAY 14 Wea.

Very cold last night & this [illegible] Hitched Doll Mare up in Buggy went to cotton wood grove. She worked pretty good. Harvey came down. Andrew went up. Harry & Carrie went up Kate. Lillie & Dick baptized today

Ther. MONDAY, JUNE 15, 1891 Wea.

Mother & Will went up this
am. Will Norah & Carrie
& Lille came down
Dick & Kate went to Almy they
was baptized Sunday Morning
last. Lille also was baptized
at the same time.
Weather very cold

Ther. TUESDAY 16 Wea.

Hauled Manure to dam
in Meadow. Seth & Starkey
came down and helped us
turned water on Meadow
Had Doll hitched up she looked
very much. Fixed part of
partition fence in Cow
Corrall. Seth & Starkey
went up home again

Ther. WEDNESDAY 17 Wea.

Went to Canyon
for Poles Seth & Starkey
went with us brought
back 46 poles. Seth & Starkey
went home
Very hot day Mosquitoes
very bad. Carrie
went to Almy on Pet Mare
Harry came back with her

Ther. THURSDAY, JUNE 18, 1891 Wea.

Danks should have
been down to Tuth
Stock got in Meadow
last night. Will & Kate
went up to Almy to take
Mother to Evanston. came
back about 5 P.M. brought
Catalouge for Scales. Starkey
& Seth came down. completed
division fence in Cow Corrall
Rain nearly all day

Ther. FRIDAY 19 Wea.

Repaired Fence between sheep
& Cow Corrall. Plowed Ditch from
out let of Whitney's ditch toward
gate in Meadow. Charles went
to town on Pony to take order
for Scales. I ordered a 4
ton Scale. should be home
in two weeks, Rained today

Ther. SATURDAY 20 Wea.

Plowed ditches in Meadow
from Whitney out let, to just
below gate. Grubbed brush
Will went to Almy also Lille
Andrew came down
Mother came back with Will
Cold today
Received Plan for Scales

Ther. SUNDAY, JUNE 21, 1891 Wea.

Staid at home all day Harry came down Pat Bridle on Sorrell Horse also a collar. Went up to Alny with Mother Dick Harry & Carrie, went to John Sims about place for Scales. James came from Salt Lake

Ther. MONDAY 22 Wea.

Came down to Ranch early this A. M. with Carrie. Lill & Dick Plowed ditch next to gate in Meadow into Timothy in garden. Grubbed brush Very windy day and very cold. Me & Will had a walk around meadow

Ther. TUESDAY 23 Wea.

Very cold this morning ice on the ditch. Continued Ditch in old garden Irrigating. Dick & Kate grubbed Brush Me & Dick went to Alny in Buggy. Saw Bright He was to busy could not fix Timber for Scale.

Ther. WEDNESDAY, JUNE 24, 1891 Wea.

Charles went to Dan's about the Horse — to see why he had not come down in accordance with arrangements. Will overhauled Machine Irrigating. Frost every night

Ther. THURSDAY 25 Wea.

Dan's came down today Tuth & Bess took the Horse Went to Alny with buggy. Received note from County Commission Stating they had no objection to me Building Scales up at forks of Woodruff & Coke ville County roads. Frost Potatoes froze in Alny

Ther. FRIDAY 26 Wea.

Me. Will. Charles & Dick went to dig Hole for Scale took Joe & Gray. Plowed Surface of Leveled out the bottom at South end ground very hard.

Ther. SATURDAY, JUNE 27, 1891 Wea.

Me, Will, Charles & Dick went to Scales Digging Hole & Hauling Rock. Hauled three loads for foundation. Quit at noon. went to Almy in Buggy with Carrie, Kate & Will came back tonight Norah came down

Ther. SUNDAY 28 Wea.

Andrew came down last night, brought part of Lumber for Scales. left it at Seths. Hitched Doll up with Derby Children went to Cotton wood grove she went pretty good. Danks came down Put Horse to Tutty & Doll they refused

Ther. MONDAY 29 Wea.

Andrew went back to Almy early this A.M. I went up went to Evanston saw Cashin Paid him for scales brought some bolts back. Norah went back to Almy Lillie Staid with Dick at Ranch. Very hot day.

Ther. TUESDAY, JUNE 30, 1891 Wea.

All Children went up to Almy to attend Vacation of school Children going to recite. Children came back about 4 P.M. Will went up to go to the Stone as they needed him for a little while. Very hot day.

Ther. WEDNESDAY, JULY 1 Wea.

Charles threw a Rock at the Geese & killed the gosling I then chopped the heads of the two Geese. Charles & Dick went after Pet Mare which had got away got her in Richards Canyon. Tutty is away yet, very hot day

Ther. THURSDAY 2 Wea.

Ther. FRIDAY, JULY 3, 1891 Wea.

Cut some Hay at the mouth of old Canon Ditch. mostly Fox tail. Seth & Starkey with their Families came down to spend the 4th

Ther. SATURDAY 4 Wea.

Team went up for the folks. Mother. Aunt Emma. Norah Jim & Edith and Family. came down also Sam Hatchman Jack Harris & Families and others. had a very fine time

Ther. SUNDAY 5 Wea.

Most of the visitors staid all night. went up about six P.M. very warm day. Andrew went back

Ther. MONDAY, JULY 6, 1891 Wea.

Went to Evanston to see about the scales. Team ran away around Russells field three times broke seats of the buggy a little Andrew brought. Scales

Ther. TUESDAY 7 Wea.

Hauled Rock for Scales commenced to lay Rock for foundation of Scales very warm day

Ther. WEDNESDAY 8 Wea.

Fetched 4 Bushells Lime from No 5 Stove laid some Rock in foundation very warm day

Ther. THURSDAY, JULY 9, 1891 Wea.

Started to cut Wheat grass down next River. Charles run Machine. Cut about a load for Andrew to take up to Alvy for his own use

Ther. FRIDAY 10 Wea.

Worked on foundation of Scales

Very warm day Thunder & Lightning very bad

Andrew got a very bad hand

Ther. SATURDAY 11 Wea.

Worked on Scales Andrew came down Carrie & Lillie went up to Alvy Mother came back with Jeanie - Very cold Rain very cold at night.

Ther. SUNDAY, JULY 12, 1891 Wea.

Very sharp frost last night Potatoes all cut off. Sam Hutchinson J Harris & Families came down. also John Lord Bob Bruce Garranged to sell Doll Mare to J Lord

Ther. MONDAY 13 Wea.

Mother went up to Alvy also Andrew and took a load of Hay up Me & Charles worked on foundation and finished it very warm day Lillie & Carrie came back from Alvy

Ther. TUESDAY 14 Wea.

Kate went up to Alvy on Horse back to stay awhile with Edith as she was very sick Me & Charles finished frame of Scales. brought Andrew Rach back with us

Ther. WEDNESDAY, JULY 15, 1891 Wea.

A small colt came to Ranch from down the Canyon. very young and poor - we kept it and fed it cows milk
Very hot day -

Ther. THURSDAY 16 Wea.

Got a load of Hay up put it on lower end of cow shed
Me & Charles came up to Alma. Stay all night
Charles cut some Wheat grass at bottom of Meadow

Ther. FRIDAY 17 Wea.

Me & Charles put the 2 x 16 Plank in on A Wall came down to Ranch got a load of Hay up Wheat grass -

Ther. SATURDAY, JULY 18, 1891 Wea.

Worked on Iron work of Scales - nearly connected it came down to Ranch with Mother. Andrew came down brought some Coal. Charles took Doll Mare to John Lords
A very hot day -

Ther. SUNDAY 19 Wea.

Will came down last night. Put Loader up Harry Harris walked down. very warm day. I went to Alma took mother back Will Curry, Harry & Dick. Esther Breast broke

Ther. MONDAY 20 Wea.

Me & Dick came down to Scales. finished them they very correct Came to Ranch about 5 PM. very hot day
Seth came down to help us with the X Hays. Andrew took 1/2 load to Lords

Ther. TUESDAY, JULY 21, 1891 Wea.

Put another load on Shed - makes three in all. Charles Cut in old Pasture. also 7 of tail top end of Meadow

Ther. WEDNESDAY 22 Wea.

Andrew took a load to Atkinson brought Lumber back for Racks. Had quite a job to sell his Hay 2340 lbs at $10.00 per ton

Ther. THURSDAY 23 Wea.

Seth & Charles cutting Seth broke the tongue of Machine went to get a new one for Champion.

Ther. FRIDAY, JULY 24, 1891 Wea.

All the folks went up to Alvin to spend the 24th. I staid at Ranch alone -

Ther. SATURDAY 25 Wea.

Repairing old Rack.
Harris folks all came down had a very good time they staged all night

Ther. SUNDAY 26 Wea.

All the visitors went back home after having a very good time I went up with another - staid all night
very hot day

Ther. MONDAY, JULY 27, 1891 Wea.

Came back to Ranch with Carrie Charles & Dick. Seth came down with his waggon.

Ther. TUESDAY 28 Wea.

Repairing Rack. Seth & Charles Cut some in new garden.

Ther. WEDNESDAY 29 Wea.

Seth & Charles cutting till noon. Very Heavy thunderstorm could not get any Hay up - rained all after noon - Levi came down about work. Is told him he could start tomorrow

Ther. THURSDAY, JULY 30, 1891 Wea.

very cloudy looking this A. M. Seth. Andrew - Charles went to Divide after Poles Mr & Dick. Kate Lelle went to Alma - got back with Poles all right. Came back from Alma. Levi came down.

Ther. FRIDAY 31 Wea.

got one load of Foxtail up. Worked on Corrall Fence all day - Thunder & storm mostly through the day - Levi Sick with Dieheraa

Ther. SATURDAY, AUG. 1 Wea.

Levi had to go home being very sick. Seth broke Machine he had to go over town for fitting. Carrie & Dick went to Alma. Mother & Esther came down. Seth Cost $2000 against No 6 Mine Put two loads of on Foxtail stack one on crib lower end of Cowshed

Ther. SUNDAY, AUG. 2, 1891 Wea.

Fix Mailing Seth & Charles cut in Seths top Bend put 1/2 load on Foxtail, 3 1/2 loads on Seths Finished top bend. Commenced in old pasture Seth broke his tong. put another one in.

Ther. MONDAY 3 Wea.

Lin came down told me he had quit. I went up to Alny with Mother. Came back at noon. got 4 loads of Hay up from top bend. for Seth. Charles & Seth cut in old pasture. Seth worked his horse all day. Judy raked all day.

Ther. TUESDAY 4 Wea.

Seth & Charles cutting all day in old pasture up to bend in ditch. Stack came down put six loads in Horse stack. but one to unload.

Ther. WEDNESDAY, AUG. 5, 1891 Wea.

Put [illegible]

Ther. THURSDAY 6 Wea.

Put one load on Foxtail 6 1/2 loads on No 1 Stack Had to lay over at noon on account of wind blowing I went to Alny. came back at night. receive a letter from Brother Richard at Rock Springs enquiring about sheep

Ther. FRIDAY 7 Wea.

Borrowed Kennedy's Single Horses to Rake with Seth Mowing on his own piece. Charles Mowed at the upper end. got 5 loads up. yesterday had to quit on account of the wind. grass drying out fast

Ther. SATURDAY, AUG. 8, 1891 Wea.

One load to House Stack
one load to No 1 stack
Six loads to Seth - Stack
one load to Seths House. 1985
Carrie & Norah took Buggy
to Alma - Mother. Carrie
Willie & Harry Harris came
down -

Ther. SUNDAY 9 Wea.

Seth & Stanley with
their family came down
in the Rack. Robinsons
Wife & Family came down
John Lord came down
Wm Reeves called
with three others they went
Hunting.

Ther. MONDAY 10 Wea.

Mother went back last
night. Carrie & Harry
Buggy came back. Walter
Harris came down to
work on the Hay -
Waiting for Hay
Reeves borrowed our Buggy
they broke down

Ther. TUESDAY, AUG. 11, 1891 Wea.

Very hot this morning
thundering nearly all day
got 9 loads up today
Lillie is sick -

Ther. WEDNESDAY 12 Wea.

Very hot through the
day. Boys went
fishing at noon.
to hot to work on Meadow
got 8 loads up today
Makes 73 in all
Moo Cow Calved. White Hafer

Ther. THURSDAY 13 Wea.

Two knife heads
Went Town with
Mother & Kate. tried to
exchange the Rake
could not do it as they had
none on hand. brought
1/2 Day Rake Teeth for Holmes worth
Rake

Ther. FRIDAY, AUG. 14, 1891 Wea.

Stayed at Almy all night on account of heavy rains Randolph people took a Steam Thrasher & Sawmill combined the Traction Engine broke through the Bridge on County road - Mc & Kate came down to Ranch.

Ther. SATURDAY 15 Wea.

Worked on County Road where I had the road changed.
Carrie & Lillie went to Almy -
Mother & Willie came down to Ranch -
got two loads of Hay up

Ther. SUNDAY 16 Wea.

Got 4 loads of Hay up put it on Crib side of Cowshed.
Very steady rain in the afternoon

Ther. MONDAY, AUG. 17, 1891 Wea.

Came down from Almy - with Carrie & Lillie - Walter Harris came down, as well Seth & Stanley & Charles went to divide after poles Could not do anything on Meadow to wet -

Ther. TUESDAY 18 Wea.

got some Rock to put around frame of scales cannot do anything on Meadow to wet rains every day for the past week
got one load up, pretty wet
Sam Hutchinson & Fanny came down

Ther. WEDNESDAY 19 Wea.

Fit big Rack up
Andrew & Walter Harris took a load of Hay to Edith's. 1663
Harry Harris came down. Went hunting got two Chicken
Very cloudy

Ther. THURSDAY, AUG. 20, 1891 Wea.

Got a load of Cedar Posts 43 fine day got 5 loads of Hay up put 4 on No 1 Stack Had to turn tops of all the Stacks over They were soaked with wet for 3 or 4 ft deep

Ther. FRIDAY 21 Wea.

Ther. SATURDAY 22 Wea.

Carrie & Kate took Buggy up for Mother and her two girls came down with her Harry & Will came down at night with Sam Hutchinson House & Buggy

Ther. SUNDAY, AUG. 23, 1891 Wea.

Got one load up on No 1 Stack Loaded one for Penman.
Got some young Potatoes up for dinner.
Went up to Alma with Mother & the Girls

Ther. MONDAY 24 Wea.

Came down from Alma with Carrie. Met Andrew going up with Penman's Hay. he got of the road through Nine fence. he had 3590 lbs on his waggon. got a little Hay up

Ther. TUESDAY 25 Wea.

Very hot day to day got 11 loads to No 1 Stack
Charles cut 1/2 day

Ther. WEDNESDAY, AUG. 26, 1891 Wea.

got 8 loads of No 1
Stack & Commenced
a Stack 100 ft long of
Willow brush put on
about 5 Loads - very
hot day - Hay is
dryer, but very fat
got a little below the
willow brush

Ther. THURSDAY 27 Wea.

Ther. FRIDAY 28 Wea.

Ther. SATURDAY, AUG. 29, 1891 Wea.

got 12 loads up to 9
all the boys must have
for clean Clothes -
I went to Alvy brought
Mother down -
very hot day -
96 in Shade to

Ther. SUNDAY 30 Wea.

All the boys came
back Es the & Mary way
down. I went up with
Mother
very hot day -
Wife was down
& with been sick most
of the week.

Ther. MONDAY 31 Wea.

Came back from Alvy
got two Loads with
cut Twenty front
of house
very hot day

Ther. TUESDAY, SEPT. 1, 1891 Wea.

Ther. WEDNESDAY 2 Wea.

Ther. THURSDAY 3 Wea.

Ther. FRIDAY, SEPT. 4, 1891 Wea.

Ther. SATURDAY 5 Wea.

Got through Haying with exception of about one load

Ther. SUNDAY 6 Wea.

Took two load of Hay to Isaac 2510 at 1000 per ton, the other load 1500 at total received $2000 in full.

Ther. MONDAY, SEPT. 7, 1891 Wea.

Started out on a hunt along the Muddy
Load of Hay to Isaac 18000 to 9.00 $8.00
Camp at Rock [illegible] tonight
I shot first chicken

Ther. TUESDAY 8 Wea.

Moved from camp about 8.30.
Shot quite a few chickens I missed quite a lot

Ther. WEDNESDAY 9 Wea.

Ther. THURSDAY, SEPT. 10, 1891 Wea.

Returned from hunting got any amount of chickens
Very heavy Electric Storm
Mostly hail

Ther. FRIDAY 11 Wea.

Hauled Coal for Houses. Picked it

Ther. SATURDAY 12 Wea.

Big Rock to Store 31 10
Medium Rock Harris 24 60
Norah walked up to Olney.
I went up in old waggon
Met Mother coming down.
she went back with me

Ther. SUNDAY, SEPT. 13, 1891 Wea.

Came down from Alny with Mother Lille came from Eppersons on a visit

Ther. MONDAY 14 Wea.

Big Rack Smith 25.60
Medium " 23.10
Small Lands 1840
Worked on backhouse at Alny.
Mr & Co Havlis came down in Buggy
Lille went back on Stage

Ther. TUESDAY 15 Wea.

3 Load to Harris
Big Rack 2290 - Medium 1990
Small Rack, 2150

Ther. WEDNESDAY, SEPT. 16, 1891 Wea.

To Harris 2670
To Harris 2025
To Harris 1970
6665
7 tons 15 cwt 30 lbs

Ther. THURSDAY 17 Wea.

Penman 2895 Big
" 1870
" 2610
7375
3000
0375
Had Derby & Bess
Shod
Mother went
Town with me

Ther. FRIDAY 18 Wea.

Two Loads to Penman
Big Rack 2820
Medium 2875
To top house one load
Small Rack 1845 -

Ther. SATURDAY, SEPT. 19, 1891 Wea.

Big Rack Robinson
2475 – Medium
Rack Hunters 2495
Small Rack Top House
1750

2475
2495
1750
6630

Ther. SUNDAY 20 Wea.

Charles cut the Oats
& Timothy in garden
Big Rack Hunter
2455. Medium Rack
2490
Small Rack to Top
House 1800
Loaded Three Racks up

Ther. MONDAY 21 Wea.

Went to Alma with
Mother Put Lock on Back
house built new Corrals
Unloaded Small Rack 1800
Raining, Dick took Rack
down. Two loads to Hunter
finished them, Big Rack 2455
Medium 2490.

Ther. TUESDAY, SEPT. 22, 1891 Wea.

Seth & Starky brought two
loads up to their House last night
did not have time to go any
further. Staid all night.
today it commenced to rain
early. could not take
the Hay up.
Me & Andrew had a load ready
could not take it up

Ther. WEDNESDAY 23 Wea.

Raining this A.M.
Steady and heavy
all day. Charles came
down on Tom Horse.
Rifle went of accidentally and
shot King in the Leg
Me & Kate went up to Alma
Roads very bad. Stay all night

Ther. THURSDAY 24 Wea.

Came down to Ranch
told Seth to unload the
two loads in his Corrals
Big Rack 3200 Medium
Rack 2 ... Seth & Starky
came down with both
Racks – Me & Andrew
Hauled two loads of Rack

Ther. FRIDAY, SEPT. 25, 1891 Wea.

Very sharp frost this A.M.
Small Rake to Doctors
Gamble 1720. Medium Rake
2380 Big Rake 2680 to
Robinsons
Starky made another
load to Top House small
Rake 2230

Ther. MONDAY, SEPT. 28, 1891 Wea.

Two Loads to Bennedyes
Medium Rake 2790
Small Rake 2255
Big Rake to Store 2625

Ther. SATURDAY 26 Wea.

To Robinsons Big Rake
2565 Medium 2335
Small Rake 2305 -
Went up in Buggy
fetched Mother down
to Ranch. helped them
to unload
Roads very bad

Ther. TUESDAY 29 Wea.

½ Loads to Store
Big Rake 2765 Store
Medium 2430 Butchers
Small " 2450 Store
Big Rake " 2305 Store
Small 2075 Store

Ther. SUNDAY 27 Wea.

Got Oats up out
of garden also
Timothy, about a ton
of oats. ⅓ Ton of Timothy
Very cold and
cloudy -

Ther. WEDNESDAY 30 Wea.

Big Rake 2285 To Store
Small 2200 to Store
Medium 2200 To Town

Ther. THURSDAY, OCT. 1, 1891. Wea.

Snow last night
took three load
to Beveridges Big Rack 2470
Medium 2645.
Small Rack 2400 -
Finish Beveridge -
6 1/4 Tons -

Ther. FRIDAY 2 Wea.

Small Rack to Stone
2600. Big Rack 2740
Medium 2450
Small Rack to Herring
Seth contract from our
Stack 2105.
Medium Rack to Top House
2200

Ther. SATURDAY 3 Wea.

Two Load to Stone
Small Rack 2000
Medium Rack 2205

Ther. SUNDAY. OCT. 4, 1891 Wea.

Ther. MONDAY 5 Wea.

One load to Ed Burton
Small rack 2287,
one load to Adamsons
Big Rack
one load to Millers
Small rack 2350.
Top House 1900
from bottom stack

Ther. TUESDAY 6 Wea.

Two loads to Ed Burton
Big Rack 2535
Medium 2065
one load to Adamsons
Small Rack 2190

Ther. WEDNESDAY, OCT. 7, 1891 Wea.

One Load to Adamson
Small Rack 2612
Medium to Top house
2100

Ther. THURSDAY 8 Wea.

Adamsons 2185
Burton 2135

Ther. FRIDAY 9 Wea.

Load to Robinson
Small Rack 2450
J Lord Medium Rack 2380
Top House 1800

Ther. SATURDAY, OCT. 10, 1891 Wea.

J Lord Big Rack 2245.
J Lord Small " 2300.
Top House Medium 1900
from Bottom Stack

Ther. SUNDAY 11 Wea.

Ther. MONDAY 12 Wea.

To Saml. Hutchinson
Big Rack 2330
Medium 2215
Small 2115
first Load 1390
8050

Went with another to Evanston
with Harry Harris & Carrie
going the Logan

Ther. TUESDAY, OCT. 13, 1891 Wea.

From Seth Stack
to Reese Gibbs
Big Rack 2655
Small Rack 2065
from our stack to
Edith 22 old straff
aprons for Bill!

Ther. WEDNESDAY 14 Wea.

To Beckwith - Evanston
Medium Rack 2780
To J Reeves - Big Rack 2595
To Bell Small 2365
from Seth Stack

Very cold at night very hot Midday

Ther. THURSDAY 15 Wea.

To Beckwith - Evanston
Medium Rack 2640
To J Reeves Big Rack 2555
Small Rack 21

Ther. FRIDAY, OCT. 16, 1891 Wea.

To Beckwith Evanston
Medium Rack 2615
To J Reeves
Big Rack 2305
Small Rack 2255

Ther. SATURDAY 17 Wea.

To Beveridge
Medium Rack 1795
J Reeves
Big Rack 25
Small Rack 2100
Went up Red Canyon to attend
Wedding Supper of E Harris
Had a very good time

Ther. SUNDAY 18 Wea.

Came down to ranch from
red canyon about 2-15 A.M.
Staid at home all day.
Mrs Harris came down to
Ranch. Starky. Seth & their
family came down to Ranch

Ther. MONDAY, OCT. 19, 1891 Wea.

Carries Wedding party held at Ranch today. all the families was down and a great many others had a good time

Ther. TUESDAY 20 Wea.

Some of the folks staid till about noon today.

Starky Dec 29

Ther. WEDNESDAY 21 Wea.

4425
1500
5925

Ther. THURSDAY, OCT. 22, 1891 Wea.

One load to Top house about 2000 our Hay
One load to Herrings 24 — Seths Hay.
One load to Seths 2200 Seths Hay

Ther. FRIDAY 23 Wea.

Two loads to Seths Big Rack of Seths Hay
Mr I Andrew went to timbers at Hilliard for Poles - started about 7.30 A.M. Arrived 4 P.M. well very hot day Starky went as

Ther. SATURDAY 24 Wea.

One load to Seths Big Rack of Seths Hay

Starky finished today Seth as well

Ther. SUNDAY, OCT. 25, 1891 Wea.

arrived home from Timber with two load of Poles. Seth C. Starky came down with us to Kanab -
Charles shot two antelope

Ther. MONDAY 26 Wea.

Seth C. Starky went back home took Judy & her colt -
Andrew & Charles went to Alma to fill some Coal for top house brought Sks Bran. Corn Grain. very warm day

Ther. TUESDAY 27 Wea.

Me - Andrew & Charles brought Load of Hay to Top house 2.0.65 finished Stack. Fixed Coal Shed commenced on Well -

Ther. WEDNESDAY, OCT. 28, 1891 Wea.

Ther. THURSDAY 29 Wea.

Ther. FRIDAY 30 Wea.

Ther. SATURDAY, OCT. 31, 1891 Wea.

Ther. SUNDAY, NOV. 1 Wea.

Ther. MONDAY 2 Wea.

Ther. TUESDAY, NOV. 3, 1891 Wea.

Roofed the Mill

Ther. WEDNESDAY 4 Wea.

Chicken Stable
at Top House

Ther. THURSDAY 5 Wea.

Ther. FRIDAY, NOV. 6, 1891 Wea.

Ther. SATURDAY 7 Wea.

Ther. SUNDAY 8 Wea.

Ther. MONDAY, NOV. 9, 1891 Wea.

gave receipt to Chas Keening for Hay delivered to him. Saw J Kirby in regard to advertising sale of Horses.

Ther. TUESDAY 10 Wea.

Me & Charles fitched load of Cedar Firewood.

Ther. WEDNESDAY 11 Wea.

Me, Charles & Didie went to Canyon after Poles. went to Alung in Buggy

Ther. THURSDAY, NOV. 12, 1891 Wea.

Commenced to put ceiling on in kitchen

Finished our room Sam Hutchinson said he would not pay for his hay.

Ther. FRIDAY 13 Wea.

Finished ceiling kitchen came down to Ranch.

Ther. SATURDAY 14 Wea.

Mother came down to Ranch in Buggy Andrew brought a load of meat down to Ranch

Ther. SUNDAY, NOV. 15, 1891 Wea.

Very cold stormy day stayed at home all day went up with Mother to Alley in the Buggy Saw Eclipse of Moon attend old Hog today

Ther. MONDAY 16 X Wea.

Came down to Ranch heard on the way the Girls went to the dance on Saturday night went up at night to see about it. Had quite a racket Aunt Emma favoured them going came down this AM to Ranch went up again to night to straighten the dance business with the Girls saw Lillie she said she would not go again without permission if I asked her I should doubt her

Ther. TUESDAY 17 Wea.

Ther. WEDNESDAY, NOV. 18, 1891 Wea.

Came down to Ranch. Me & Dick Kate & Joe went to divide Saw two Deer — very fine day
Old Hog very sick

Ther. THURSDAY 19 Wea.

Worked on Rock foundation under the House.
fine day but cloudy
Kate went on Horse back to hunt for Edith Cow & Calf, which went away last Monday

Ther. FRIDAY 20 Wea.

Ther. SATURDAY, NOV. 21, 1891 Wea.

Went up to Alny aunt Emma took a House intending to move
did not like me getting after her about the girls going to the dance

Ther. SUNDAY 22 Wea.

Staid at top house all day with mother had a very nice interview with the Teachers Hood & Williams

Ther. MONDAY 23 Wea.

Ther. TUESDAY, NOV. 24, 1891 Wea.

Ther. WEDNESDAY 25 Wea.

Ther. THURSDAY 26 Wea.

Ther. FRIDAY, NOV. 27, 1891 Wea.

Building Pig Pen at top house –

Ther. SATURDAY 28 Wea.

Finished Pig Pen
Mother came down to Ranch with me –

Jack & Sam Harris came down to go out hunting stay all night

Ther. SUNDAY 29 Wea.

Hunting for Edith cow & calf – Kirby brought two appraisers for the Strays
Mr & Mrs Harris came down
Harry & Carrie & Esther Harris also – very fine day –

Ther. MONDAY, NOV. 30, 1891 Wea.

Went up to Alny -
took three little pigs
Heard that Goffs had
come -

Ther. TUESDAY, DEC. 1 Wea.

Flour - Scrubbing -
Brush -
Went to Alny -
took some meat
made cupboard
Andrew & Charles
went up
Snowing very heavy -

Ther. WEDNESDAY 2 Wea.

put frame of Chicken
Coop up in Stack yard
came down to Ranch
very cold wind
about two inches of snow
on the ground
Heard Ramsey was dis
charged

Ther. THURSDAY, DEC. 3, 1891 Wea.

Ther. FRIDAY 4 Wea.

I took a walk
round Richards Canyon
and back by the Hay
back through the Cedar
in our Canyon but
saw no Deer, nor
Edith Cow -

9 Ther. SATURDAY 5 Wea.

Went to Alny -
Blowing and drifting
Saw Goff at Stanley
Andrew & Charles
came down to
Ranch
Kate sent a letter to Ida Stickler

Ther. SUNDAY, DEC. 6, 1891 Wea.

Mr. S. Mother & Dick spent to day at Carrie. Mr. & Mrs. Harris was there had a good time

Ther. MONDAY 7 Wea.

Came down to Ranch this morning very cold.

Ther. TUESDAY 8 Wea.

Put Roof on Timothy Shed.

Ther. WEDNESDAY, DEC. 9, 1891 Wea.

Got Cutter out for first time this season. went to Almy with Gray. not enough Snow for good Sleighing

Ther. THURSDAY 10 Wea.

Made out Sette and Starkys time for their work on Meadow. Came down with the Gray. very fine day but cold

Ther. FRIDAY 11 Wea.

Put manger in old Timothy Shed. Finished rock work on house

Ther. SATURDAY, DEC. 12, 1891 Wea.

Kate went to Almy with Buggy
Took wash board off
from front of house in Porch
evened of the log and
put it on in good shape
Very fine day quite warm
in the sunshine freezing in
shade. Andrew came down
brought some Coal & Pork

Ther. SUNDAY 13 Wea.

Very cold night last
night. fixed Tin in window
of kitchen. Cat stole meat
last night. Dick shot
a Jack.
Jas Blight called as he
passed by. Andrew went
back to Almy 7 P.M.

Ther. MONDAY 14 Wea.

Kate came back from
Almy. She went church
yesterday several had been
baptized ready to be confirmed
very fine day - fixed Bars
in Garden - Commenced
to take roof of Cellar -
Banked up around pickles

Ther. TUESDAY, DEC. 15, 1891 Wea.

Me & Dick went up
Rechard Canyon -
to look for Edith Cow
saw 11 Deer shot at
them. did not get
one -
very fine. day quite
hot middle of day

Ther. WEDNESDAY 16 Wea.

Me & Joe go up to Almy
saw Kirby about selling
the estrays. he said he would
sell them on Dec 28
very fine day to day

Flour - Tea - Coffee - Sugar

Ther. THURSDAY 17 Wea.

Came down to Ranch. saw
Seth & Starky work at the
mine very slack.
Said they was satisfied
with their Hay etc
Clouding up looks like snow
Whitney men brought the red
Heifer

Ther. FRIDAY, DEC. 18, 1891 Wea.

about three inch of snow fell last night snowing through the day Me & Dick put new shoe on old sleigh. Andrew came down brought a big load of coal which he had picked.

Ther. SATURDAY 19 Wea.

Me Andrew & Dick went up Canyon - saw no deer - very bad travelling in Quaking asp grove Me & Dick went to Alum in Cutter Andrew & Kate stayed down

Ther. SUNDAY 20 Wea.

Staid at top house all day - Will had cutter took our children & J Waulass and their children they broke the front of Cutter about three inch of snow

Ther. MONDAY, DEC. 21, 1891 Wea.

Me & Dick came down to Ranch. Sleighing pretty good - Made a new shoe for old sleigh

Ther. TUESDAY 22 Wea.

Put sleigh shoe on got a load of ceday for fire wood. Andrew went up to Alum. Cold rough day - looks very much like storming

Ther. WEDNESDAY 23 Wea.

Very rough and storing Repaired spring seat Andrew came down Mine No 7 work no more this week. Sent Dick up to Store with Cutter to get Bran & Corn got now Clean out Cow Shed.

Ther. THURSDAY, DEC. 24, 1891 Wea.

7 A.M. Snowing
about six inch of snow
Me & Kate & Dick went
up to Alma in old Sleigh
Cut a christmas Tree at
dug way. left it at Edith,
Seth & Starkey & families
went up with us staid at Edith

Ther. FRIDAY 25 Wea.

Harry & Carrie staid at our
House last night. Kate came
from Edith early this A.M. said
Edith's baby was dying Me
& Mother went to Edith. Baby
was dead when we arrived
Had dinner at Edith's with
all the Children Except Lille

Ther. SATURDAY 26 Wea.

Arranged for Seth & Starkey
to dig grave. and for James
& May to go to Evanston to get Coffin
Child to be buried tomorrow
. Came down to Ranch
Storm Looking in cutter,
came back from Ranch
James got Coffin put box in the hole

Ther. SUNDAY, DEC. 27, 1891 Wea.

very cold this A.M.
attended funeral services
at Edith. held at 10 A.M.
Started for Grave yard 11 A.M.
very cold. went down
to Ranch in Cutter with
Harry. He took halter from
Sorrell. Harry & Andrew
came up in Sleigh

Ther. MONDAY 28 Wea.

Charles & Dick drove
our band of Horses up with
Strays which was going
to be sold today.
Pompey sold for $12.00 Gray which
I bought for 8.75. Sorrell
Harris bought for 33.00
Dick went down to Ranch with
Gray. very cold night
found Edith's cow
and took it to their House
came to Ranch in
Cutter Andrew came
down with Sleigh.
Paid May $10.00 for Starkey work
on Meadow. Lee came down
to attend to his Mare. about a foot of snow

Ther. WEDNESDAY, DEC. 30, 1891 Wea.

Snowed most of last night snowing from the east, commenced to feed two or three days ago. Mr. Kate & Dick went up to Aling to go to Concert met with a very rough storm on dry wash roads all drifted up, Concert put on account of storm

Ther. THURSDAY 31 Wea.

came down to Ranch this A.M. with Charly & Tom about 1 ft of snow on level drifted very bad, in places it is 3 to 4 ft deep Seth came down with Chas Morgan & Brown's boy, Hunting for Morgan's Mare Doll Mare got away from Loyd and came down to Ranch. Andrew tied her behind the sleigh and took her up - Levy came down to see to his young Mare got a bad cut on top of its shoulder

MEMORANDA

Jan 12.

Would like you to come down with the boys night, As I do not know whether you have been over town and seen Judge Corr or not. This is an important matter - When you come down to Ranch we can talk the matter over - and the things as well. Come if you can possibly make it

P. F.

Jan 16th

Fetched Burtons Mare and colt down to Ranch from Cottonwood grove. Also one Cream Colored Horse. Branded also one Bay Horse. Branded on right thigh (?) one Sorrell

Feb 6th
One cream colored
Horse about 8 years
old Branded on
right thigh J I.
One Bay Horse three white
feet Branded
on right thigh

One Sorrell Horse
Branded CL on
left shoulder also
CR on left thigh

Dec 28. 91
Sale of Horses

| | |
|---|---|
| Bay to Rowbotham | 12 00 |
| Gray to Tookes | 8.75 |
| Sorrell | 33 00 |
| | 53.75 |



50

24
24
48
365
5165

| | |
|---|---|
| Appraise | 1.00 |
| Feed & Care | 5165 |
| Driving Horse ap | 600 |
| | 5865 |

5832 43560 Stone Acre
33824 7th 9636
9636

43560
40824
2646

72 gals
27
504
144
1944
3
5832
7
40824
52



March 1st

Albany Wyo ~~Feb 28~~ 91

S. T. Corn Esq

Dear Sir

Yours of the 25th I received yesterday in reply I will say. I am not able to answer ~~all~~ the questions in this letter as I will have to refer to my diaries which are down at the Ranch which I have quite a few notes in them during the time I was treasurer. I will also see the trustees that took hold after my time expired and try and get to see the minutes of their first meeting. There was a meeting appointed for me to ~~meet a~~ turn every thing over to my successor. I was at the place at the specified time, waited ~~for~~ over two hours: but could not

find any of them
around, I finally learned
one was at a party ~~#~~
another was practising with
the band. I had traveled
six Miles from the Ranch
and had to return at
midnight ~~back~~, all
for no purpose.
I had arranged with Mr
Epperson (for me) to take charge of
some Mines in Converse Co
Wyo. and was anxious
to leave every thing all right
before I left, in regard to the
school business, ~~I left everything~~
~~Book - pa. ... Vouchers~~
I left Book Papers Vouchers
for my Wife ~~her~~ to present, as soon
as she knew there would be
a meeting. She sent me
word. she had turned
everything over to them (and the
Cash in hand was between
two and three Dollars



which they said she
might keep as we had
been at considerable expense
going back and forth to town
on school business
My Wife turned the papers
over to Geo Peterson it
was him that made that
statement in regard
to the balance in hand.
That was the last I heard
of the school business after
my term expired which
was July 1888. untill
April 1890,
I will ~~try and~~ write
you all the particulars as
far as I possibly can get
hold of in a few days.
Respectfully ~~Yet~~
yours
R Fowkes

Judge Corn

CASH ACCOUNT. JANUARY.

| Date. | | Received. | Paid. |
|---|---|---|---|
| Almy March 10 91 | | | |

Judge Corn

Evanston Wyo

Dear Sir

I have done my best to find out in regard to the school business

I was elected to the office of Trustee to succeed Mr Beeman at the general School Election held in May 1885.

I was Treasurer of the District my whole term which expired at the general election in May 1888.

Thos Snedden succeeded me.

Geo Petersen - John Sims Jr

Thos Snedden composed the School board - after my term expired

CASH ACCOUNT. JANUARY. School Teacher

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

A L Fishburn audited my Accounts a short time previous to my term being out. but the exact time I cannot remember The report was handed into the board.

I have spoken to Thos Snedden in regard to the minute book and the Fishburn report. He did not have the book, he admitted as having seen the report but did not know where it was now.

In refering to my diary of March 14th 1888 I find that I came up from ranch to fix school account on that date found the funds exhausted with the exception of $197.60 Me and my Wife went

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

very carefully over the whole Accounts and papers and found a balance on hand as stated above.
after this I paid three Teachers. Salaries as follows. Fishburn $80 00 Mrs Smith $65 00 Maggie Miller $50 00 Total $195 00. leaving a balance on hand of $2 60 I never paid anything after this that $2 60 is what I refered to in my last.
I notified Geo Peterson at the time what was left on hand. Peterson was Clerk at the time I do not remember of any money being borrowed from Mr Beeman or any one else during my term



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

If there was any borrowed it was unknown to me I never paid anything out as I can recollect without a note from Peterson, all papers and vouchers were handed over to Geo Peterson as I stated in my last.
and never had any idea but what everything was all straight. till last April term of Court, It is now nearly two years since my term expired there are many things I cannot call to mind.
No doubt but there are papers lost and there may have been changes made in the book since I was and to make it reflect on

| Date. | | Received. | Paid. |
|---|---|---|---|
| | on to me during my term. I do not know as I can say any in regard to the matter I will be over at any time when you send for me. I would be possibly be two or three days after you wrote before I got your letter as I am down at the ranch most of the time | | |
| | I think this is about all I can say in the matter Your Ct R Fowkes | | |



| Date. | | Received. | Paid. |
|---|---|---|---|
| | Hint a Publishing Evanston Wyo | | |
| | I notice in my advertisement of Stray Horses you omitted putting in One Sorrell Horse branded CL on left shoulder also CR on left thigh. Would like you to publish this notice I will be over and see you in a few days. R Fowkes Alney Wyo. | | |

CASH ACCOUNT. APRIL.

March

| Date. | | Received. | Paid. |
|---|---|---|---|
| 4th | About 1500# to Jas. Kennedy | $ 7.00 | Paid |
| 6 | about 1000.lb to Beveredge | 5 00 | not Pd |
| 13 8 | About 2000 to Garretts | 10 00 | not Pd |
| 13 | about ½ Ton to Thos Sneddon | 5 00 | Paid |
| 14. | about 1100# to Beveridges | 5 00 | not paid |
| | Robothams | 5 00 | Paid |
| 15 | Andrew & Chas took about 1200# to Alma Peterson | 6 00 | not paid |
| 16 | Chas & Dick took about 1300# to Daniels | 6 50 | not paid |
| | Carry forward | 49 50 | |

CASH ACCOUNT. APRIL.

| Date. | | Received. | Paid. |
|---|---|---|---|
| | Brought forward | 49 50 | |
| 17 | 1500# to Almy Peterson | 7 50 | not paid |
| " | 1200# to Garretts | 6 00 | not paid |
| 18 | 1500# Chas Morgan | 7 50 | |
| 19 | 1300# Daniels | 6 50 | |
| | | 77 00 | |
| 20 | 1500# to Garretts | 7 50 | |
| | | 84 50 | |
| | Garretts Less | 2 00 | |
| | Total | 82 50 | |
| | Daniels Less | 1 50 | |
| | | $ 81 00 | |

April

| | | | |
|---|---|---|---|
| 1st | 1000# to Wallace | 4 50 | Paid |
| | Carried forward | 85 50 | |

CASH ACCOUNT. MAY.

| Date. | | Received. | Paid. |
|---|---|---|---|
| April | brought forward | 8 5 50 | |
| 2nd | to Hayes | 5 00 | |
| | | 9 0 5 0 | |
| | | 1 3 5 0 | |
| | | 7 7 0 0 | |

CASH ACCOUNT. MAY.

| Date. | | Received. | Paid. |
|---|---|---|---|
| | | 1 8 0 0 | |
| | | 1 5 | |
| | | 1 2 | |
| | | 3 9 | |
| | | 7 | |

| Date. | | Received. | Paid. |
|---|---|---|---|
| | Alma April 6th 1891 | | |
| | C. G. Epperson Esq | | |
| | Dear Sir | | |
| | Yours dated | | |
| | March 30th received | | |
| | yesterday. In reply I | | |
| | will state, The Ten | | |
| | (10) Acres of land you | | |
| | have heard me speak | | |
| | of located about two or | | |
| | three Miles South West | | |
| | of the sixth ward bridge | | |
| | I dont suppose I will | | |
| | have any claim to it | | |
| | now. It is about in | | |
| | fifteen years ago | | |
| | since I arranged for | | |
| | it. I was to pay ten | | |
| | dollars per Acre for | | |
| | it in installments | | |
| | of ten dollars. I paid | | |
| | thirty dollars on it | | |
| | I learned afterwards | | |
| | it would be a long | | |
| | time before I could | | |



| Date. | | Received. | Paid. |
|---|---|---|---|
| | get water on it | | |
| | and I did not bother | | |
| | any more with it | | |
| | When I arranged | | |
| | for it, I was told | | |
| | a Canal was to be | | |
| | commenced at once | | |
| | which was in and that | | |
| | I could get all the | | |
| | water I wanted. | | |
| | The proposed Canal was | | |
| | not made for years | | |
| | afterwards, and I gave | | |
| | the idea up - as the land | | |
| | at that time was noused | | |
| | with out water - | | |
| | I have just come up | | |
| | from the Ranch on the | | |
| | School affair. | | |
| | everything looks favorable | | |
| | but I will have to | | |
| | pay Judge Corn $100.00 | | |
| | for his service | | |
| | which will cripple us | | |
| | a little, as we intend | | |
| | to pay your interest | | |

| Date. | | Received. | Paid. |
|---|---|---|---|
| | with that money but we will pay you as soon as we possible can. I hope you and Mrs Epperson will enjoy your trip. Kind regards to yourself & Wife. Yours Ut R Fowler | | |



| Date. | | Received. | Paid. |
|---|---|---|---|
| | Almy April 7th 91 | | |
| | Mr Joseph Brown Dear Sir You will greatly oblige me if you will pay me the $12.00 due me for rent from the first of February to the first of April as I am needing the money very bad. The rent will be the same as John arranged for. I will give you a receipt as soon as you pay me. You need not do anything by way of repairing the house as you said you had a house at No 7 as you could move into. I would like you to | | |

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

vacate the house
by the 15th of the present
month, as I wish to
move into it myself
at that time, as we
are to crowded here
You need not anticipate
any trouble from any
one in regard to you
paying the rent money
to me, I have John's
name signed to all
the papers. I would
like you to take the
chickens out of the
house so it will have
time to sweeten by the
time I come down to clean.
You will greatly oblige
me by giving this notice an
early consideration
as I need the rent money
very much. I am also
very anxious as I stated
above to move in



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

since John has
left everything for me
to look after

Emma Bean

CASH ACCOUNT. SEPTEMBER.

| Date. | | Received. | Paid. |
|---|---|---|---|
| April | | 1891 | |

Received Twelve Dollars ($12.00) from Jas Brown for Rent due from February first (1st) to April first 1st 1891 Which is the full amount due —

Signed

Emma Bean

CASH ACCOUNT. SEPTEMBER.

| Date. | | Received. | Paid. |
|---|---|---|---|
| | 2990 | | |
| | 1150 | 18 | |
| | 1840 | 45 | |
| | | 90 | |
| | | 72 | |
| | | 810 | |

CASH ACCOUNT. OCTOBER.

| Date. | | Received. | Paid. |
|---|---|---|---|
| | Almy June 22nd 91 | | |
| | To the Honorable Board of County Commissioner for Uinta County Wyo | | |
| | Gentelmen | | |
| | I wish to ask permission to put up scales on one side of the County road at the forkes of the Woodruff and Cokeville County roads about two hundred yards east of the lower Bridge which crosses Bear river | | |
| | My proposed location for said scales will be but of slight obstruction to traffic | | |
| | hoping the above will have your early consideration | | |

CASH ACCOUNT. OCTOBER.

| Date. | | Received. | Paid. |
|---|---|---|---|
| | Yours Dit | | |
| | Dit R Fowkes | | |
| | Sep 10th 91 | | |
| | Med for 25 house | | |
| | Tools Dit | | |
| | axe - saw - Chisel | | |
| | Spade, Drile | | |

CASH ACCOUNT. NOVEMBER.

| Date. | | Received. | Paid. |
|---|---|---|---|
| | Hole for Scales 12 x 16 x 25 inch deep | | |

CASH ACCOUNT. NOVEMBER.

| Date. | | Received. | Paid. |
|---|---|---|---|
| Oct 2nd | Paid to Starkey - at time he went to Conference - | | $4.25 |

CASH ACCOUNT. DECEMBER.

Received. Paid.

Diary 1892

Jan

1st Cloudy looks like snow
Dick went to Alvin
with Pet & Gray with
the Harness on 4 fetch
the old sleigh down
again snow a little.
attended to Lavi's Mary
Dick got back about 5
P.M. snowed for the last 10 days

2nd Fed stock and
worked on the old
table - very fine
day

3 got Kate red Dress down
went to Alvin in cutter
to see how the roads
was. shoveled out
the blue dugway
stayed at top have
all day Carrie

Jan 92

CASH ACCOUNT. DECEMBER.

Date. Received. Paid.

L Harry - was up there
stayed for supper
fine day -

4 came back brought
some oats down
Kate & Dick went
in cutter to go to the
concert. took Gray to Seth
stayed at ranch alone
rather windy to night

5 Kate & Dick came back
put handle in small
ate. cleaned hog stable
out. three loads put
Garden, very fine
day -

6 ~~Went to Alvin in cutter~~
finished two leaf table
cleaned Summer stable
out put manure in
Garden, went to Alvin
in cutter

Jan 92

SUMMARY OF CASH ACCOUNT.

| | | Received. | Paid. |
|---|---|---|---|
| JAN. | 7 Came back from Almy - could not | | |
| FEB. | get any grain brought sk Wheat | | |
| MAR. | Andrew came down. fine day | | |
| APR. | 8 Seth's Colt Strangled | | |
| MAY. | Worked on Cellar took roof of took cupboard | | |
| JUNE. | out. put dirt on road at bridge at Whitney's ditch. fine day - | | |
| JULY. | 9 Worked on Cellar had | | |
| AUG. | quite a job to get the frozen dirt down after it was | | |
| SEPT. | Mined. Me and Kate went to Almy in Cutter | | |
| OCT. | got up there about 7 P.M. very cold towards night | | |
| NOV. | 10 Willard & Lillie came | | |
| DEC. | after Aunt Emma. Pig & chickens took Pig & three Chickens | | |

Jan 92

BILLS PAYABLE. JANUARY.

| Date. | NAME. | Dollars. | Cts. |
|---|---|---|---|
| | could not catch the other. Me. Will Charles & Petersons boy Henry came down to Ranch in Sleigh Bess & Derby. hitched in Sleigh. very cold and drifting. Andrew & the boys went back took the extra sleigh back and left Derby & Bess down here Little Joe came down as well. | | |
| | RECEIVABLE. | | |
| 11 | Charles start to work at Mine Coldest night of the season so far. lots of stray stock around the Corrals Horse & cows. Fixed Barrells to haul water. Hauled two Barrells. 7 Bradshaw horse came down three days ago. feeds with ours Hauled load of Hay on Meadow | | |

Jan 92

BILLS PAYABLE. FEBRUARY.

| Date. | NAME. | Dollars. | Cts. |
|---|---|---|---|
| 12 | Fed stock. fixed single Tree. Hauled three load of dirt from cellar fine day but very cold. took load of hay on meadow for feed | | |
| 13 | Very cold night last night. Cloudy this A.M. Hauled two load of dirt from cellar. took load of Hay in meadow for feed went up to Almy in sleigh took Bess & Berby. Horses very cold ride — Will at home today sick | | |
| 14 | came down to Ranch brought oats 83 lbs, not so cold today looks like snow. | | |
| 15 | Cloudy this A.M. looks very much like snow | | |

RECEIVABLE.

BILLS PAYABLE. MARCH.

| Date. | NAME. | Dollars. | Cts. |
|---|---|---|---|
| | Worked on Cellar dirt is very hard with being froze. not making much head way — no snow today. | | |
| 16 | Cloudy this A.M. not cold. freezing but little worked on Cellar very warm day — Mr & Dick came up to Almy. Andrew came to Ranch | | |
| 17 | Staid at Almy all day did not feel well this P.M. on 3 should have gone to meeting. Thos Beach spoke in the afternoon. having returned from his mission to England. very misty day — Worked on Hay accounts | | |
| 18 | Very cold morning Rime all over the willows. Started for Ranch 7.30 A.M. | | |

RECEIVABLE.

| Date. | NAME. | Dollars. | Cts. |
|---|---|---|---|
| | met Andrew at 7 Stone coming from Ranch. he had a very cold ride. Mr & Dick staid at Esther a while to warm. arrived at ranch 10 A.M. — worked on Cellar a little. brought bran & flour | | |
| 19 | Very windy this morning looks like storm. Worked on cellar, make but slow progress as it is froze so much. | | |
| | RECEIVABLE. | | |
| 20 | 7 A.M. very fine morning seems almost like spring finished digging Cellar commenced on the Frame Mr & Joe went to Alvey in cutter very warm day | | |
| 21 | 180 ft Com. lumber | 12 ft long | |
| | 144 " " | 14 " " | |
| | 80 " " | 10 " " | |



| Date. | NAME. | Dollars. | Cts. |
|---|---|---|---|
| | came back from Alvey about 9 A.M. Joe staid up there | | |
| 22 | very cold night last night. worked on Frame work of Cellar it is now ready for Lumber. very fine warm day. | | |
| 23 | Dull & cloudy this A.M. turned out a fine day. Mr & Kate went to Alvey in Cutter. Andrew came down with lumber for Cellar | | |
| | RECEIVABLE. | | |
| 24 | [illegible] at top house all day figuring out [illegible] Hay [illegible] for [illegible] summer. very fine day but very cold | | |

BILLS PAYABLE. JUNE.

| Date. | NAME. | Dollars. | Cts. |
|---|---|---|---|
| | Daily [illegible] | | |
| 25th | very cold this A.M. Will rode down to store with me. 10 below [illegible] Mr & Kate came to Ranch arrived about 10-30 A.M. Worked on Cellar Putting in the side | | |
| 26 | RECEIVABLE. Worked on Cellar put roof on. Got water very fine day - Blizzard commenced at 8 P.M. of snow and rain. very strong wind lasted about 1 hour | | |
| 27 | Rooster crowed last night several times got a load of wood from Duck Slough | | |

BILLS PAYABLE. JULY.

| Date. | NAME. | Dollars. | Cts. |
|---|---|---|---|
| | for Top house I took it up this afternoon Seth Baby has been sick | | |
| 28 | came down to Ranch Mother came down as far as Esthens got a load of wood from duck Slough cleaned Lumber Stable out. very fine day | | |
| | RECEIVABLE | | |
| 29 | very fine morning Fixed support on roof of kitchen to hoist Pig up tomorrow - very fine day | | |
| 30 | Kate went to Olney in Cutter & Pet Mare to bring Mother down tomorrow | | |
| 30 | very fine morning Kate & Mother came brought Ethe Joe with them | | |

February 92

BILLS PAYABLE. AUGUST.

| Date. | NAME. | Dollars. | Cts. |
|---|---|---|---|
| | down about 11 A.M. | | |
| | Jas Clark came | | |
| | down about 1 P.M. | | |
| | Killed the old sow | | |
| | She was not very | | |
| | fat. Paid Clark | | |
| | a Dollar for this trouble | | |
| | Andrew came down | | |
| | with a load of saw- | | |
| | dust. | | |
| 31. | Seth and Esther | | |
| | I the children was | | |
| | down | | |
| | RECEIVABLE. | | |
| | snowing most of the | | |
| | day. Me I Mother | | |
| | went up in the Cutter | | |
| | Andrew brought the | | |
| | dead Pig up. | | |
| Feb 1st | came down early this | | |
| | Am about 8.30 | | |
| | cleaned out cowshed | | |
| | about six inch of snow | | |
| | fell. warm all | | |
| | day for time of year | | |

February 92

BILLS PAYABLE. SEPTEMBER.

| Date. | NAME. | Dollars. | Cts. |
|---|---|---|---|
| 2nd | very sharp frost | | |
| | last night. | | |
| | Made door for Cellar | | |
| | and hung it up | | |
| | making seat for | | |
| | Seths Sleigh. | | |
| | very fine day | | |
| 3rd | very misty this A.M. | | |
| | came up to Cliny | | |
| | with Charly I Bess- | | |
| | brought Slaks | | |
| | RECEIVABLE. | | |
| | Make Pig pen for | | |
| | big Hog. Fix fence | | |
| | this afternoon | | |
| 4 | Tom House Kite Bess last night | | |
| | Came down to Kans | | |
| | arrived about 10 A.M. | | |
| | Nannie Cow had | | |
| | a calf Bull calf | | |
| | very misty & cold | | |
| 5 | very cold last night | | |
| | there is about 12 in of | | |

February 92

BILLS PAYABLE. OCTOBER.

| Date. | NAME. | Dollars. | Cts. |
|---|---|---|---|
| | snow on the level | | |
| | Little Joe sick with measles, | | |
| | went down to river to see if the Ice was so we could get it | | |
| | it was not. Put latch on cellar door. Fixed Pig pen - Namie Calf died | | |
| 6 | Joe pretty sick all night. he is light headed. little snow fell during the night | | |
| | RECEIVABLE. Dick & Kate went to alung in cutter for Mother to come down to Joe, They came down about 5-30 P.M. Joe is a little better Andrew came down - | | |
| 7 | Seth came down killed Steer - fine day but cold | | |

Feb 92

BILLS PAYABLE. NOVEMBER.

| Date. | NAME. | Dollars. | Cts. |
|---|---|---|---|
| | Andrew & Seth went back home Joe considerably better | | |
| 8 | Mother Kate & Joe went up in cutter Kate & Dick came back to Ranch 5 P.M. fine day but cold - | | |
| 9 | RECEIVABLE. Andrew & Charles came down to Ranch to fetch the old Hog and a Dozen Chickens We Kate & Dick got 8 Blocks of Ice up very cold strong wind drifting very much - | | |
| 10 | Very rough night snow drifting cold wind | | |

Feb 92

BILLS PAYABLE. DECEMBER.

| Date. | NAME. | Dollars. | Cts. |
|---|---|---|---|
| | wind broke front of cutter of | | |
| | Bess Mare's Hock is very swelled and painful. got two loads of Ice up - very rough day | | |
| 11 | Cloudy this Morning not cold. | | |
| | Sic for Bess Leg. Potatoes, Corn, Screws | | |
| | RECEIVABLE. went to Alny snow was drifted very bad on dug way - bad travelling. | | |
| | All the girls with their children was at top house. | | |
| 12 | came down to Ranch very foggy & cold - dug show out at dug-way got down to Ranch about 11 A.M. | | |

Feb 92

MEMORANDA.

| Date. | | Dollars. | Cts. |
|---|---|---|---|
| | got one load of Ice up Bess's leg pretty bad bathed it well today very fine day - | | |
| 13 | very fine Morning at 6 A.M. got a load of Ice and two Bills Water - Bess Mare very sick Andrew & Charles came down brought some coal Kate went up to Alny in cutter. very fine day. thawing | | |
| 14 | Andrew & Charles went to Lone Hills saw lots of Tracks of Deer but no Deer Staid at home all day not feeling well. Andrew & Charles went back to Alny. very windy | | |

Feb 92

MEMORANDA.

| Date. | | Dollars. | Cts. |
|---|---|---|---|
| 15 | Very fine morning cleaned lumber stable out Bess little better Kate came back from Alury. Kate and Dick go up in Cutter to the Valentine Dance | | |
| 16 | Very fine morning Dick & Kate came back 10.30 A M Got a big load of Ga up. Bess Mare's leg is no better it is very swelled. very warm day - snow melting quite lot | | |
| 17 | Cloudy this A. M. Oats - Powder - Dress - needles fine one finished Nettie Ice up | | |

ADDRESSES.

| | |
|---|---|
| Name. | came up to Alury in Cutter very sick with bowel complaint |
| Street, No. | very fine day |
| City. | 18 |
| Name. | My Birthday now |
| Street, No. | 50 year old. |
| City. | Came to Ranch. |
| Name. | Very fine morning |
| Street, No. | Bess is no better |
| City. | 19 |
| Name. | Storing a little this |
| Street, No. | A M. Six o clock |
| City. | Hitched Derry up in |
| Name. | Cutter went up to |
| Street, No. | Esthers with [illegible] |
| City. | he goes first rate - |
| Name. | Fixed door in |
| Street, No. | Timothy Shed |
| City. | 20 |
| Name. | |
| Street, No. | |
| City. | |
| Name. | |
| Street, No. | |
| City. | |

## ADDRESSES.

NAME. W Graham

STREET, No.

CITY. Sc 4th 1 Load 20 Pd

NAME. 5 2 40

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

## ADDRESSES.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

NAME.

STREET, No.

CITY.

ADDRESSES.

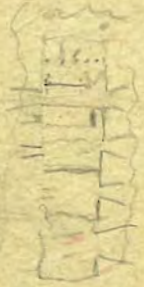
| | | |
|---|---|---|
| NAME. | NAME. | 2000 |
| STREET | STREET, NO. | 45 |
| CITY. | CITY. | 10000 |
| NAME. | NAME. | 8000 |
| STREET | STREET, NO. | 9000 |
| CITY. | CITY. | 1500 |
| NAME. | NAME. | |
| STREET, | STREET, NO. | 3500 |
| CITY. | CITY. | 45 |
| NAME. | NAME. | 17500 |
| STREET, | STREET, NO. | 14000 |
| CITY. | CITY. | 1575~~00~~ |
| NAME. | NAME. | |
| STREET, | STREET, NO. | |
| CITY. | CITY. | |
| NAME. | NAME. | |
| STREET, | STREET, NO. | |
| CITY. | CITY. | |
| NAME. | NAME. | |
| STREET, | STREET, NO. | |
| CITY. | CITY. | |
| NAME. | NAME. | |
| STREET, | STREET, NO. | |
| CITY. | CITY. | |

3590 to W Penman

one Ton - 9,00

40
13
680

41
13
693



$4[illegible]

6300

1889

1888
18
1870

18
4
7

Shaffer $60.00
Corn 50.00
Eff 68.00
278.00
500.00
Isaac 778.00

1250
675
$1925

10000
77
1450
225
1000
778
675
222

STANDARD
No.
84
DIARY