

1880. - ^{known} Diary, leather binding. Front
page reads "J. W. Moore,
1880 - Ft. Griffin, Texas.
3 1/2 x 7" (123 leaves)



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1880

Fort Chaffee

Texas



EXCELSIOR



DIARY



FOR



1880





Astronomical Calculations.

By Prof. GEORGE W. COAKLEY, University of New-York.

ECLIPSES.

In the year 1880 there will be six Eclipses, four of the Sun and two of the Moon.

I. A Total Eclipse of the Sun, Jan. 11, invisible either as Total or Partial in the eastern portion of the United States, but some of its phases visible on the Pacific coast.

II. A Total Eclipse of the Moon, June 22, invisible in the eastern portions of the United States.

III. An Annular Eclipse of the Sun, July 7, invisible throughout North America. It will be visible in South America and the southern part of Africa.

IV. A Partial Eclipse of the Sun, Dec. 1, visible only in the Southern Hemisphere.

V. A Total Eclipse of the Moon, Dec. 16, invisible in the eastern portions of the United States, but some of its phases visible on the Pacific coast.

VI. A Partial Eclipse of the Sun, Dec. 31, visible in the eastern portion of the United States, as follows: At New-York City, begins 7h. 6m.; middle, 8h. 0m.; ends, 8h. 54m., morn.; greatest magnitude 4.9 digits. At Boston, begins 7h. 19m.; middle, 8h. 16m.; ends, 9h. 13m., morn.; greatest magnitude 5.4 digits.

MORNING STARS.

MERCURY, until Feb. 14; and from March 28 to June 2; and from Aug. 5 to Sept. 17; and from Nov. 23 to the end of the year. VENUS, until July 13.

EVENING STARS.

MERCURY, from Feb. 14 to March 28; and from June 2 to Aug. 5; and from Sept. 17 to Nov. 23. VENUS, from July 13 to the end of the year.

PLANETS BRIGHTEST.

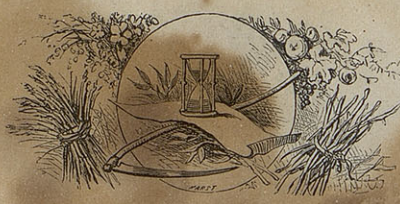
MERCURY, after sunset, March 10, July 6, Nov. 4; before sunrise, April 26, Aug. 22, Dec. 13. VENUS or MARS, not this year. JUPITER, Oct. 7. SATURN, Oct. 18.

Church Days and Cycles of Time.

Septuagesima Sunday.....	Jan. 25	Whit Sunday.....	May 1
Sexagesima ".....	Feb. 1	Trinity ".....	"
Quinquagesima ".....	" 8	Corpus Christi.....	"
Ash Wednesday.....	" 11	Advent Sunday.....	Nov. 1
Quadragesima Sunday.....	" 15	Dominical Letters.....	"
Mid-Lent.....	Mar. 7	Epact.....	"
Palm Sunday.....	" 21	Golden Number.....	"
Good Friday.....	" 26	Solar Cycle.....	"
Easter Sunday.....	" 28	Roman Indiction.....	"
Low ".....	Apr. 2	Julian Period.....	"
Regation ".....	May 2	Dionysian Period.....	"
Ascension Day.....	" 6	Jewish Lunar Cycle.....	"

Calendar

1880	SUNDAY.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.
JAN. Y.	4	5	6	7	8
	11	12	13	14	15
	18	19	20	21	22
	25	26	27	28	29
FEB. Y.	1	2	3	4	5
	8	9	10	11	12
	15	16	17	18	19
	22	23	24	25	26
	29				
MARCH.		1	2	3	4
	7	8	9	10	11
	14	15	16	17	18
	21	22	23	24	25
	28	29	30	31	
APRIL.					
	4	5	6	7	8
	11	12	13	14	15
	18	19	20	21	22
	25	26	27	28	29
MAY.					
	2	3	4	5	6
	9	10	11	12	13
	16	17	18	19	20
	23	24	25	26	27
	30	31			
JUNE.					
	6	7	8	9	10
	13	14	15	16	17
	20	21	22	23	24
	27	28	29	30	



Calculations.

LEY, University of New-York.

PSSES.

ix Eclipses, four of the Sun and

Jan. 11, invisible either as Total

of the United States, but some of its

at.

June 22, invisible in the eastern

the Sun, July 7, invisible throughout

the in South America and the south-

Sun, Dec. 1, visible only in the

n, Dec. 16, invisible in the eastern

at some of its phases visible on the

un, Dec. 31, visible in the eastern

as follows: At New-York City,

ends, 8h. 54m., morn.; greatest

on, begins 7h. 19m.; middle, &

greatest magnitude 5.4 digits.

G STARS.

d from March 28 to June 2; and

m Nov. 23 to the end of the year.

G STARS.

March 23; and from June 2 to Aug.

g. VENUS, from July 13 to the en

BRIGHTEST.

ch 10, July 6, Nov. 4; before s

VENUS or MARS, not this year

ct. 18.

and Cycles of Time.

- Whit Sunday.....May
- Trinity.....
- Corpus Christi.....
- Advent Sunday.....Nov
- Dominical Letters.....D &
- Epact.....
- Golden Number.....
- Solar Cycle.....
- Roman Indiction.....
- Julian Period.....
- Dionysian Period.....
- Jewish Lunar Cycle.....

Calendar for 1880.

1880	SUNDAY.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
JAN'Y.	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'Y.	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						
MARCH.	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.	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.	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.	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			
1880	SUNDAY.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
JULY.	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
AUGUST.	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'Y.	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'Y.	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'Y.	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'Y.	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	



January.

February.

March.

1880

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Moon's Phases.

Third quarter 5d 1h 53m m
New moon...11d 5h 44m e
First quarter.19d 1h 44m m
Full moon...27d 5h 16m m

Moon's Phases.

Third quarter 3d 10h 43m m
New moon...10d 6h 21m m
First quarter.17d 10h 49m e
Full moon...25d 8h 26m e

Moon's Phases.

Third quarter 3d 6h 11m m
New moon...10d 7h 51m m
First quarter.18d 7h 40m m
Full moon...26d 8h 27m m

D. M.	D. WK.	SUN RISES	SUN SETS	MOON RISES
1	Th.	7 25	4 44	9 0
2	Fr.	7 25	4 44	10 5
3	Sat	7 25	4 45	11 12
4	1	7 25	4 40	morn
5	M.	7 25	4 47	0 21
6	Tu.	7 25	4 48	1 33
7	W.	7 25	4 49	2 47
8	Th.	7 24	4 50	4 1
9	Fr.	7 24	4 51	5 13
10	Sat	7 24	4 52	6 14
11	2	7 24	4 53	sets
12	M.	7 23	4 54	6 1
13	Tu.	7 23	4 55	7 15
14	W.	7 23	4 56	8 25
15	Th.	7 22	4 57	9 31
16	Fr.	7 22	4 59	10 36
17	Sat	7 21	5 0	11 38
18	3	7 21	5 1	morn
19	M.	7 20	5 2	0 40
20	Tu.	7 20	5 3	1 41
21	W.	7 19	5 4	2 41
22	Th.	7 19	5 6	3 38
23	Fr.	7 18	5 7	4 32
24	Sat	7 17	5 8	5 20
25	4	7 16	5 9	6 3
26	M.	7 15	5 10	6 40
27	Tu.	7 15	5 12	rises
28	W.	7 14	5 13	6 51
29	Th.	7 13	5 14	7 57
30	Fr.	7 12	5 15	9 4
31	Sat	7 11	5 17	10 12

D. M.	D. WK.	SUN RISES	SUN SETS	MOON RISES
1	5	7 10	5 18	11 22
2	M.	7 9	5 19	morn
3	Tu.	7 8	5 20	0 35
4	W.	7 7	5 21	1 48
5	Th.	7 6	5 23	2 59
6	Fr.	7 5	5 24	4 2
7	Sat	7 4	5 25	4 57
8	6	7 3	5 26	5 43
9	M.	7 1	5 28	6 20
10	Tu.	7 0	5 29	sets
11	W.	6 59	5 30	7 11
12	Th.	6 58	5 31	8 17
13	Fr.	6 57	5 32	9 22
14	Sat	6 55	5 34	10 22
15	7	6 54	5 35	11 22
16	M.	6 53	5 36	morn
17	Tu.	6 51	5 37	0 2
18	W.	6 50	5 38	1 2
19	Th.	6 48	5 39	2 2
20	Fr.	6 47	5 41	3 1
21	Sat	6 46	5 42	3 3
22	8	6 44	5 43	4 1
23	M.	6 43	5 44	5 1
24	Tu.	6 41	5 45	5 5
25	W.	6 40	5 46	rises
26	Th.	6 38	5 47	6 1
27	Fr.	6 37	5 48	6 8
28	Sat	6 36	5 49	6 9
29	9	6 35	5 50	10 1
30	...	...	...	...
31	...	...	...	...

D. M.	D. WK.	SUN RISES	SUN SETS	MOON RISES
1	M.	6 34	5 51	11 11
2	Tu.	6 32	5 52	morn
3	W.	6 31	5 53	1 1
4	Th.	6 29	5 55	2 1
5	Fr.	6 28	5 56	2 3
6	Sat	6 26	5 57	3 1
7	10	6 25	5 58	4 1
8	M.	6 23	5 59	4 4
9	Tu.	6 21	6 0	5 5
10	W.	6 20	6 1	6 1
11	Th.	6 18	6 2	7 1
12	Fr.	6 16	6 3	8 1
13	Sat	6 15	6 5	9 1
14	11	6 13	6 6	10 1
15	M.	6 11	6 7	11 1
16	Tu.	6 10	6 8	morn
17	W.	6 8	6 9	0 1
18	Th.	6 6	6 10	1 1
19	Fr.	6 5	6 11	2 1
20	Sat	6 3	6 12	3 1
21	12	6 1	6 13	4 1
22	M.	6 0	6 14	5 1
23	Tu.	5 58	6 15	6 1
24	W.	5 57	6 16	7 1
25	Th.	5 55	6 17	8 1
26	Fr.	5 53	6 18	rises
27	Sat	5 52	6 19	9 1
28	13	5 50	6 20	10 1
29	M.	5 48	6 21	11 1
30	Tu.	5 47	6 22	12 1
31	W.	5 45	6 24	morn



February.

1830

Moon's Phases.

Third quarter 3d 10h 43m m
New moon... 10d 6h 21m m
First quarter. 17d 10h 49m e
Full moon... 25d 8h 26m e

D. M.	D. WK.	SUN RISES	SUN SETS	MOON RISES
1	5	7 10	5 18	11 22
2	M.	7 9	5 19	morn
3	Tu.	7 8	5 20	0 33
4	W.	7 7	5 21	1 43
5	Th.	7 6	5 23	2 59
6	Fr.	7 5	5 24	4 2
7	Sat	7 4	5 25	4 57
8	6	7 3	5 26	5 43
9	M.	7 1	5 28	6 20
10	Tu.	7 0	5 29	sets
11	W.	6 59	5 30	7 11
12	Th.	6 58	5 31	8 17
13	Fr.	6 57	5 32	9 22
14	Sat	6 55	5 34	10 23
15	7	6 54	5 35	11 23
16	M.	6 53	5 36	morn
17	Tu.	6 51	5 37	0 23
18	W.	6 50	5 38	1 21
19	Th.	6 48	5 39	2 22
20	Fr.	6 47	5 41	3 1
21	Sat	6 46	5 42	3 53
22	8	6 44	5 43	4 3
23	M.	6 43	5 44	4 51
24	Tu.	6 41	5 45	5 4
25	W.	6 40	5 46	5 54
26	Th.	6 38	5 47	6 5
27	Fr.	6 37	5 48	6 58
28	Sat	6 36	5 49	9 1
29	9	6 35	5 50	10 1
30	...	...	...	...
31	...	...	...	...



March.

1830

Moon's Phases.

Third quarter 3d 6h 11m e
New moon... 10d 7h 51m e
First quarter. 18d 7h 40m e
Full moon... 26d 8h 27m m

D. M.	D. WK.	SUN RISES	SUN SETS	MOON RISES
1	M.	6 34	5 51	11 39
2	Tu.	6 32	5 52	morn
3	W.	6 31	5 53	0 55
4	Th.	6 29	5 55	1 55
5	Fr.	6 28	5 56	2 52
6	Sat	6 26	5 57	3 39
7	10	6 25	5 58	4 19
8	M.	6 23	5 59	4 51
9	Tu.	6 21	6 0	5 20
10	W.	6 20	6 1	sets
11	Th.	6 18	6 2	7 5
12	Fr.	6 16	6 3	8 9
13	Sat	6 15	6 5	9 12
14	11	6 13	6 6	10 14
15	M.	6 11	6 7	11 14
16	Tu.	6 10	6 8	morn
17	W.	6 8	6 9	0 11
18	Th.	6 6	6 10	1 3
19	Fr.	6 5	6 11	1 50
20	Sat	6 3	6 12	2 32
21	12	6 1	6 13	3 7
22	M.	6 0	6 14	3 39
23	Tu.	5 58	6 15	4 8
24	W.	5 57	6 16	4 35
25	Th.	5 55	6 17	5 2
26	Fr.	5 53	6 18	rises
27	Sat	5 52	6 19	8 8
28	13	5 50	6 20	9 24
29	M.	5 48	6 21	10 38
30	Tu.	5 47	6 22	11 46
31	W.	5 45	6 24	morn

April.

1830

Moon's Phases.

Third quarter 2d 1h 17m m
New moon... 9d 10h 11m m
First quarter. 17d 2h 18m e
Full moon... 24d 5h 54m e

D. M.	D. WK.	SUN RISES	SUN SETS	MOON RISES
1	Th.	5 43	6 25	0 47
2	Fr.	5 42	6 26	1 37
3	Sat	5 40	6 27	2 19
4	14	5 38	6 28	2 53
5	M.	5 37	6 29	3 23
6	Tu.	5 35	6 30	3 49
7	W.	5 34	6 31	4 14
8	Th.	5 32	6 32	4 39
9	Fr.	5 30	6 33	sets
10	Sat	5 29	6 34	8 2
11	15	5 27	6 35	9 3
12	M.	5 26	6 36	10 1
13	Tu.	5 24	6 37	10 55
14	W.	5 22	6 38	11 44
15	Th.	5 21	6 39	morn
16	Fr.	5 19	6 40	0 27
17	Sat	5 18	6 41	1 4
18	16	5 16	6 42	1 37
19	M.	5 15	6 43	2 6
20	Tu.	5 13	6 44	2 34
21	W.	5 12	6 45	3 0
22	Th.	5 11	6 46	3 27
23	Fr.	5 9	6 47	3 55
24	Sat	5 8	6 48	rises
25	17	5 6	6 49	8 16
26	M.	5 5	6 51	9 30
27	Tu.	5 4	6 52	10 36
28	W.	5 2	6 53	11 32
29	Th.	5 1	6 54	morn
30	Fr.	5 0	6 55	0 18
...	...	...	...	...



May.

June.

July.

1880

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Moon's Phases.

Moon's Phases.

Moon's Phases.

Third quarter 1d 8h 57m m
New moon... 9d 1h 20m m
First quarter 17d 5h 27m m
Full moon... 24d 1h 43m m
Third quarter 30d 5h 57m e

New moon... 7d 4h 59m e
First quarter 15d 4h 55m e
Full moon... 22d 8h 50m m
Third quarter 29d 5h 1m m

New moon... 7d 8h 25m
First quarter 15d 1h 20m
Full moon... 21d 4h 6m
Third quarter 28d 6h 45m

D.	D.	SUN	SUN	MOON
M.	WK.	RISES	SETS	RISES
1	Sat	4 58	6 56	0 55
2	18	4 57	6 57	1 26
3	M.	4 56	6 58	1 53
4	Tu.	4 54	6 59	2 19
5	W.	4 53	7 0	2 43
6	Th.	4 52	7 1	3 9
7	Fr.	4 51	7 2	3 36
8	Sat	4 50	7 3	4 5
9	19	4 49	7 4	sets
10	M.	4 48	7 5	8 48
11	Tu.	4 47	7 6	9 39
12	W.	4 46	7 7	10 24
13	Th.	4 44	7 8	11 3
14	Fr.	4 43	7 9	11 36
15	Sat	4 42	7 10	morn
16	20	4 42	7 11	0 6
17	M.	4 41	7 12	0 34
18	Tu.	4 40	7 13	0 59
19	W.	4 39	7 14	1 25
20	Th.	4 38	7 15	1 56
21	Fr.	4 37	7 16	2 23
22	Sat	4 37	7 16	2 57
23	21	4 36	7 17	3 40
24	M.	4 35	7 18	rises
25	Tu.	4 34	7 19	9 19
26	W.	4 34	7 20	10 10
27	Th.	4 33	7 21	10 52
28	Fr.	4 33	7 21	11 27
29	Sat	4 32	7 22	11 56
30	22	4 32	7 23	morn
31	M.	4 31	7 24	0 22

D.	D.	SUN	SUN	MOON
M.	WK.	RISES	SETS	RISES
1	Tu.	4 31	7 25	0 47
2	W.	4 30	7 25	1 13
3	Th.	4 30	7 26	1 39
4	Fr.	4 30	7 27	2 8
5	Sat	4 29	7 27	2 40
6	23	4 29	7 28	3 18
7	M.	4 29	7 29	sets
8	Tu.	4 28	7 29	8 22
9	W.	4 28	7 30	9 3
10	Th.	4 28	7 30	9 36
11	Fr.	4 28	7 31	10 9
12	Sat	4 28	7 31	10 37
13	24	4 28	7 31	11 2
14	M.	4 28	7 32	11 27
15	Tu.	4 28	7 33	11 53
16	W.	4 28	7 33	morn
17	Th.	4 28	7 33	0 20
18	Fr.	4 28	7 34	0 52
19	Sat	4 28	7 34	1 29
20	25	4 28	7 34	2 15
21	M.	4 29	7 35	3 11
22	Tu.	4 29	7 35	3 44
23	W.	4 29	7 35	8 44
24	Th.	4 29	7 35	9 23
25	Fr.	4 30	7 35	9 55
26	Sat	4 30	7 35	10 24
27	26	4 31	7 35	10 50
28	M.	4 31	7 35	11 16
29	Tu.	4 31	7 35	11 42
30	W.	4 32	7 35	morn
...	...	...	...	...

D.	D.	SUN	SUN	M.
M.	WK.	RISES	SETS	R.
1	Th.	4 32	7 35	C
2	Fr.	4 33	7 35	C
3	Sat	4 33	7 35	C
4	27	4 34	7 34	C
5	M.	4 35	7 34	C
6	Tu.	4 35	7 34	C
7	W.	4 39	7 34	C
8	Th.	4 36	7 33	C
9	Fr.	4 37	7 33	C
10	Sat	4 38	7 33	C
11	28	4 38	7 32	C
12	M.	4 39	7 32	C
13	Tu.	4 40	7 31	C
14	W.	4 41	7 31	C
15	Th.	4 41	7 30	C
16	Fr.	4 42	7 29	C
17	Sat	4 43	7 29	C
18	29	4 44	7 28	C
19	M.	4 45	7 27	C
20	Tu.	4 46	7 27	C
21	W.	4 46	7 26	C
22	Th.	4 47	7 25	C
23	Fr.	4 48	7 24	C
24	Sat	4 49	7 24	C
25	30	4 50	7 23	C
26	M.	4 51	7 22	C
27	Tu.	4 52	7 21	C
28	W.	4 53	7 20	C
29	Th.	4 54	7 19	C
30	Fr.	4 55	7 18	C
31	Sat	4 56	7 17	C



June.

1880

Moon's Phases.

New moon... 7d 4h 59m e
First quarter... 15d 4h 55m e
Full moon... 22d 8h 50m m
Third quarter 29d 5h 11m m

D. M.	D. WK.	SUN RISES	SUN SETS	MOON RISES
1	Tu.	4 31	7 25	0 47
2	W.	4 30	7 25	1 13
3	Th.	4 30	7 26	1 39
4	Fr.	4 30	7 27	2 8
5	Sat	4 29	7 27	2 40
6	23	4 29	7 28	3 18
7	M.	4 29	7 29	sets
8	Tu.	4 28	7 29	8 22
9	W.	4 28	7 30	9 3
10	Th.	4 28	7 30	9 38
11	Fr.	4 28	7 31	10 9
12	Sat	4 28	7 31	10 37
13	24	4 28	7 31	11 2
14	M.	4 28	7 32	11 27
15	Tu.	4 28	7 33	11 53
16	W.	4 28	7 33	morn
17	Th.	4 28	7 33	0 20
18	Fr.	4 28	7 34	0 52
19	Sat	4 28	7 34	1 29
20	25	4 28	7 34	2 15
21	M.	4 29	7 35	3 11
22	Tu.	4 29	7 35	rises
23	W.	4 29	7 35	8 44
24	Th.	4 29	7 35	9 23
25	Fr.	4 30	7 35	9 55
26	Sat	4 30	7 35	10 24
27	26	4 31	7 35	10 50
28	M.	4 31	7 35	11 10
29	Tu.	4 31	7 35	11 42
30	W.	4 32	7 35	morn
...	...	...	...	...

July.

1880

Moon's Phases.

New moon... 7d 8h 25m m
First quarter... 15d 1h 20m m
Full moon... 21d 4h 6m e
Third quarter 28d 6h 45m e

D. M.	D. WK.	SUN RISES	SUN SETS	MOON RISES
1	Th.	4 32	7 35	0 11
2	Fr.	4 33	7 35	0 42
3	Sat	4 33	7 35	1 18
4	27	4 34	7 34	1 59
5	M.	4 35	7 34	2 46
6	Tu.	4 35	7 34	3 39
7	W.	4 36	7 34	sets
8	Th.	4 36	7 33	8 12
9	Fr.	4 37	7 33	8 41
10	Sat	4 38	7 33	9 7
11	28	4 38	7 32	9 32
12	M.	4 39	7 32	9 57
13	Tu.	4 40	7 31	10 23
14	W.	4 41	7 31	10 52
15	Th.	4 41	7 30	11 25
16	Fr.	4 42	7 29	morn
17	Sat	4 43	7 29	0 6
18	29	4 44	7 28	0 56
19	M.	4 45	7 27	1 56
20	Tu.	4 46	7 27	3 6
21	W.	4 46	7 26	rises
22	Th.	4 47	7 25	7 52
23	Fr.	4 48	7 24	8 23
24	Sat	4 49	7 24	8 51
25	30	4 50	7 23	9 17
26	M.	4 51	7 22	9 44
27	Tu.	4 52	7 21	10 12
28	W.	4 53	7 20	10 43
29	Th.	4 54	7 19	11 17
30	Fr.	4 55	7 18	11 56
31	Sat	4 56	7 17	morn

August.

1880

Moon's Phases.

New moon... 5d 10h 52m e
First quarter... 13d 6h 46m m
Full moon... 20d 0h 22m m
Third quarter 27d 11h 19m m

D. M.	D. WK.	SUN RISES	SUN SETS	MOON RISES
1	31	4 56	7 16	0 41
2	M.	4 57	7 15	1 32
3	Tu.	4 58	7 14	2 28
4	W.	4 59	7 12	3 27
5	Th.	5 0	7 11	sets
6	Fr.	5 1	7 10	7 11
7	Sat	5 2	7 9	7 37
8	32	5 3	7 8	8 2
9	M.	5 4	7 6	8 28
10	Tu.	5 5	7 5	8 56
11	W.	5 6	7 4	9 27
12	Th.	5 7	7 2	10 5
13	Fr.	5 8	7 1	10 50
14	Sat	5 9	7 0	11 44
15	33	5 10	6 58	morn
16	M.	5 11	6 57	0 48
17	Tu.	5 12	6 56	1 59
18	W.	5 13	6 54	3 14
19	Th.	5 14	6 53	4 29
20	Fr.	5 15	6 52	rises
21	Sat	5 16	6 50	7 17
22	34	5 17	6 48	7 44
23	M.	5 18	6 47	8 12
24	Tu.	5 19	6 45	8 42
25	W.	5 20	6 44	9 16
26	Th.	5 21	6 42	9 54
27	Fr.	5 22	6 41	10 37
28	Sat	5 23	6 39	11 25
29	35	5 24	6 38	morn
30	M.	5 25	6 36	0 19
31	Tu.	5 26	6 34	1 13



September.

October.

November.

Moon's Phases.

New moon.. 4d 11h 56m m
First quarter. 11d 1h 29m e
Full moon... 18d 10h 33m m
Third quarter 26d 6h 12m m

D.	D.	SUN	SUN	MOON
M.	WK.	RISES	SETS	RISES
1	W.	5 27	6 33	2 18
2	Th.	5 28	6 31	3 20
3	Fr.	5 29	6 30	4 23
4	Sat	5 30	6 28	sets
5	36	5 31	6 26	6 33
6	M.	5 32	6 25	7 0
7	Tu.	5 33	6 23	7 31
8	W.	5 34	6 21	8 6
9	Th.	5 35	6 20	8 54
10	Fr.	5 36	6 18	9 40
11	Sat	5 37	6 16	10 39
12	37	5 38	6 15	11 47
13	M.	5 39	6 13	morn
14	Tu.	5 40	6 11	0 58
15	W.	5 41	6 10	2 11
16	Th.	5 42	6 8	3 23
17	Fr.	5 43	6 6	4 34
18	Sat	5 44	6 4	rises
19	38	5 45	6 3	6 12
20	M.	5 46	6 1	6 41
21	Tu.	5 47	5 59	7 14
22	W.	5 48	5 58	7 50
23	Th.	5 49	5 56	8 32
24	Fr.	5 50	5 54	9 2
25	Sat	5 51	5 53	10 10
26	39	5 52	5 51	11 6
27	M.	5 53	5 49	morn
28	Tu.	5 54	5 48	0 5
29	W.	5 55	5 46	1 6
30	Th.	5 56	5 44	2 8
...	...	...	...	...

Moon's Phases.

New moon.. 3d 11h 47m e
First quarter. 10d 7h 39m e
Full moon... 17d 11h 30m e
Third quarter 26d 2h 3m m

D.	D.	SUN	SUN	MOON
M.	WK.	RISES	SETS	RISES
1	Fr.	5 57	5 43	3 11
2	Sat	5 58	5 41	4 16
3	40	6 0	5 39	sets
4	M.	6 1	5 38	5 31
5	Tu.	6 2	5 36	6 6
6	W.	6 3	5 34	6 47
7	Th.	6 4	5 33	7 37
8	Fr.	6 5	5 31	8 35
9	Sat	6 6	5 30	9 40
10	41	6 7	5 28	10 50
11	M.	6 8	5 26	morn
12	Tu.	6 9	5 25	0 1
13	W.	6 10	5 23	1 11
14	Th.	6 11	5 22	2 21
15	Fr.	6 12	5 20	3 28
16	Sat	6 13	5 19	4 35
17	42	6 14	5 17	rises
18	M.	6 15	5 16	5 11
19	Tu.	6 16	5 14	5 41
20	W.	6 17	5 13	6 21
21	Th.	6 18	5 11	7 11
22	Fr.	6 19	5 10	8 5
23	Sat	6 20	5 9	8 55
24	43	6 21	5 7	9 55
25	M.	6 23	5 6	10 55
26	Tu.	6 24	5 4	11 55
27	W.	6 25	5 3	morn
28	Th.	6 26	5 2	0 15
29	Fr.	6 27	5 0	1 15
30	Sat	6 28	4 59	3 15
31	44	6 30	4 58	4 15

Moon's Phases.

New moon.. 2d 10h 59m e
First quarter. 9d 3h 24m e
Full moon... 16d 3h 43m e
Third quarter 24d 8h 59m e

D.	D.	SUN	SUN	M.
M.	WK.	RISES	SETS	R
1	M.	6 31	4 57	5 15
2	Tu.	6 32	4 56	6 15
3	W.	6 33	4 54	7 15
4	Th.	6 34	4 53	8 15
5	Fr.	6 35	4 52	9 15
6	Sat	6 37	4 51	10 15
7	45	6 38	4 50	11 15
8	M.	6 39	4 49	12 15
9	Tu.	6 40	4 48	1 15
10	W.	6 41	4 47	2 15
11	Th.	6 43	4 46	3 15
12	Fr.	6 44	4 45	4 15
13	Sat	6 45	4 44	5 15
14	46	6 46	4 43	6 15
15	M.	6 47	4 42	7 15
16	Tu.	6 48	4 41	8 15
17	W.	6 50	4 41	9 15
18	Th.	6 51	4 40	10 15
19	Fr.	6 52	4 39	11 15
20	Sat	6 53	4 39	12 15
21	47	6 54	4 38	1 15
22	M.	6 55	4 37	2 15
23	Tu.	6 56	4 37	3 15
24	W.	6 58	4 36	4 15
25	Th.	6 59	4 36	5 15
26	Fr.	7 0	4 35	6 15
27	Sat	7 1	4 35	7 15
28	48	7 2	4 34	8 15
29	M.	7 3	4 34	9 15
30	Tu.	7 4	4 34	10 15
...	...	...	...	...



October.

November.

December.

1830

Moon's Phases.

New moon... 3d 11h 47m e
First quarter... 7h 39m e
Full moon... 17d 11h 30m e
Third quarter 26d 2h 3m m

D.	D.	SUN	SUN	MOON
M.	WK.	RISES	SETS	RISES
1	Fr.	5 57	5 43	3 11
2	Sat	5 58	5 41	4 16
3	40	6 0	5 39	sets
4	M.	6 1	5 38	5 31
5	Tu.	6 2	5 36	6 6
6	W.	6 3	5 34	6 47
7	Th.	6 4	5 33	7 37
8	Fr.	6 5	5 31	8 35
9	Sat	6 6	5 30	9 40
10	41	6 7	5 28	10 50
11	M.	6 8	5 26	morn
12	Tu.	6 9	5 25	0 1
13	W.	6 10	5 23	1 12
14	Th.	6 11	5 22	2 21
15	Fr.	6 12	5 20	3 28
16	Sat	6 13	5 19	4 33
17	42	6 14	5 17	rises
18	M.	6 15	5 16	5 11
19	Tu.	6 16	5 14	5 41
20	W.	6 17	5 13	6 21
21	Th.	6 18	5 11	7 11
22	Fr.	6 19	5 10	8 1
23	Sat	6 20	5 9	8 51
24	43	6 21	5 7	9 51
25	M.	6 23	5 6	10 51
26	Tu.	6 24	5 4	11 51
27	W.	6 25	5 3	morn
28	Th.	6 26	5 2	0 51
29	Fr.	6 27	5 0	1 51
30	Sat	6 28	4 59	3 1
31	44	6 30	4 58	4 1

1830

Moon's Phases.

New moon... 2d 10h 59m m
First quarter... 9d 3h 24m m
Full moon... 16d 3h 43m e
Third quarter 24d 8h 59m e

D.	D.	SUN	SUN	MOON
M.	WK.	RISES	SETS	RISES
1	M.	6 31	4 57	5 21
2	Tu.	6 32	4 56	sets
3	W.	6 33	4 54	5 28
4	Th.	6 34	4 53	6 24
5	Fr.	6 35	4 52	7 29
6	Sat	6 37	4 51	8 40
7	45	6 38	4 50	9 52
8	M.	6 39	4 49	11 4
9	Tu.	6 40	4 48	morn
10	W.	6 41	4 47	0 14
11	Th.	6 43	4 46	1 21
12	Fr.	6 44	4 45	2 27
13	Sat	6 45	4 44	3 32
14	46	6 46	4 43	4 35
15	M.	6 47	4 42	5 39
16	Tu.	6 48	4 41	rises
17	W.	6 50	4 41	5 7
18	Th.	6 51	4 40	5 55
19	Fr.	6 52	4 39	6 48
20	Sat	6 53	4 39	7 44
21	47	6 54	4 38	8 43
22	M.	6 55	4 37	9 42
23	Tu.	6 56	4 37	10 42
24	W.	6 58	4 36	11 43
25	Th.	6 59	4 36	morn
26	Fr.	7 0	4 35	0 45
27	Sat	7 1	4 35	1 50
28	48	7 2	4 34	2 57
29	M.	7 3	4 34	4 8
30	Tu.	7 4	4 34	5 21
31	...	...	...	...

1830

Moon's Phases.

New moon... 1d 10h om e
First quarter... 8d 1h 42m e
Full moon... 16d 10h 40m m
Third quarter 24d 2h 1m e
New moon... 31d 9h om m

D.	D.	SUN	SUN	MOON
M.	WK.	RISES	SETS	SETS
1	W.	7 5	4 33	sets
2	Th.	7 6	4 33	5 9
3	Fr.	7 7	4 33	6 21
4	Sat	7 8	4 33	7 35
5	49	7 9	4 33	8 50
6	M.	7 10	4 33	10 3
7	Tu.	7 11	4 33	11 12
8	W.	7 12	4 33	morn
9	Th.	7 13	4 33	0 20
10	Fr.	7 14	4 33	1 25
11	Sat	7 14	4 33	2 29
12	50	7 15	4 33	3 32
13	M.	7 16	4 33	4 33
14	Tu.	7 17	4 33	5 32
15	W.	7 17	4 34	6 27
16	Th.	7 18	4 34	rises
17	Fr.	7 19	4 34	5 37
18	Sat	7 19	4 35	6 34
19	51	7 20	4 35	7 34
20	M.	7 20	4 35	8 34
21	Tu.	7 21	4 36	9 33
22	W.	7 21	4 36	10 34
23	Th.	7 22	4 37	11 35
24	Fr.	7 22	4 38	morn
25	Sat	7 23	4 38	0 39
26	52	7 23	4 39	1 46
27	M.	7 23	4 39	2 56
28	Tu.	7 24	4 40	4 8
29	W.	7 24	4 41	5 18
30	Th.	7 24	4 42	6 24
31	Fr.	7 24	4 43	sets

INTEREST
TABLE



INTEREST TABLES.

SIX PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 DAY	0	0	0	0	0	0	0	0	0	0	2	17
2 "	0	0	0	0	0	0	0	0	0	0	3	33
3 "	0	0	0	0	0	0	0	0	0	0	5	50
4 "	0	0	0	0	0	0	0	0	0	0	7	67
5 "	0	0	0	0	0	0	0	0	0	0	8	83
6 "	0	0	0	0	0	0	0	0	0	0	10	1.00
7 "	0	0	0	0	0	0	0	0	0	0	12	1.17
8 "	0	0	0	0	0	0	0	0	0	0	13	1.33
9 "	0	0	0	0	0	0	0	0	0	0	15	1.50
10 "	0	0	0	0	0	0	0	0	0	0	17	1.67
15 "	0	0	0	0	0	0	0	0	0	0	25	2.50
1 MO.	1	1	1	1	1	1	1	1	1	1	50	5.00
3 "	2	3	5	6	8	9	11	12	14	15	100	10.00
6 "	3	6	9	12	15	18	21	24	27	30	3.00	30.00
9 "	5	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

SEVEN PER CENT.

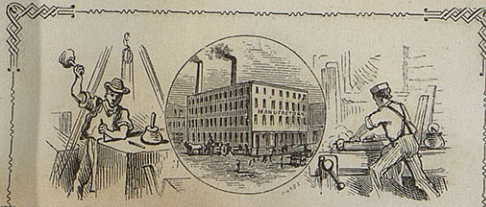
TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 DAY	0	0	0	0	0	0	0	0	0	0	2	17
2 "	0	0	0	0	0	0	0	0	0	0	4	33
3 "	0	0	0	0	0	0	0	0	0	0	6	50
4 "	0	0	0	0	0	0	0	0	0	0	8	67
5 "	0	0	0	0	0	0	0	0	0	0	10	83
6 "	0	0	0	0	0	0	0	0	0	0	12	1.00
7 "	0	0	0	0	0	0	0	0	0	0	14	1.17
8 "	0	0	0	0	0	0	0	0	0	0	16	1.33
9 "	0	0	0	0	0	0	0	0	0	0	18	1.50
10 "	0	0	0	0	0	0	0	0	0	0	20	1.67
15 "	0	0	0	0	0	0	0	0	0	0	30	3.00
1 MO.	1	1	1	1	1	1	1	1	1	1	1.75	17.50
3 "	2	4	5	7	9	11	12	14	16	18	3.50	35.00
6 "	4	7	11	14	18	21	25	28	32	35	5.25	52.50
9 "	5	11	16	21	26	32	37	42	47	53	7.50	75.00
1 YR.	7	14	21	28	35	42	49	56	63	70	7.00	70.00

TEN PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 DAY	0	0	0	0	0	0	0	0	0	0	3	22
8 "	0	0	0	0	0	0	0	0	0	0	22	2.20
15 "	0	0	0	0	0	0	0	0	0	0	42	4.20
22 "	0	0	0	0	0	0	0	0	0	0	61	6.10
30 "	0	0	0	0	0	0	0	0	0	0	83	8.30
2 MO.	2	3	5	7	8	10	12	13	15	17	1.67	16.70
4 "	3	7	10	15	20	25	30	35	40	45	3.33	33.30
6 "	5	13	20	27	33	40	47	53	60	67	5.00	50.00
8 "	7	17	25	33	42	50	58	67	75	83	6.67	66.70
10 "	8	17	25	33	42	50	58	67	75	83	8.33	83.30
1 YR.	10	20	30	40	50	60	70	80	90	1.00	10.00	100.00

This Table is based upon

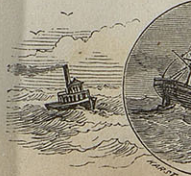
TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 DAY	0	0	0	0	0	0	0	0	0	0	2	17
2 "	0	0	0	0	0	0	0	0	0	0	3	33
3 "	0	0	0	0	0	0	0	0	0	0	5	50
4 "	0	0	0	0	0	0	0	0	0	0	7	67
5 "	0	0	0	0	0	0	0	0	0	0	8	83
6 "	0	0	0	0	0	0	0	0	0	0	10	1.00
7 "	0	0	0	0	0	0	0	0	0	0	12	1.17
8 "	0	0	0	0	0	0	0	0	0	0	13	1.33
9 "	0	0	0	0	0	0	0	0	0	0	15	1.50
10 "	0	0	0	0	0	0	0	0	0	0	17	1.67
15 "	0	0	0	0	0	0	0	0	0	0	25	2.50
1 MO.	1	1	1	1	1	1	1	1	1	1	50	5.00
3 "	2	3	5	6	8	9	11	12	14	15	100	10.00
6 "	3	6	9	12	15	18	21	24	27	30	3.00	30.00
9 "	5	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



TABLES.

PER CENT.

Per Cent.	100	10	1	1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024	1/2048	1/4096	1/8192	1/16384	1/32768	1/65536	1/131072	1/262144	1/524288	1/1048576	1/2097152	1/4194304	1/8388608	1/16777216	1/33554432	1/67108864	1/134217728	1/268435456	1/536870912	1/1073741824	1/2147483648	1/4294967296	1/8589934592	1/17179869184	1/34359738368	1/68719476736	1/137438953472	1/274877906944	1/549755813888	1/1099511627776	1/2199023255552	1/4398046511104	1/8796093022208	1/17592186044416	1/35184372088832	1/70368744177664	1/140737488355328	1/281474976710656	1/562949953421312	1/1125899906842624	1/2251799813685248	1/4503599627370496	1/9007199254740992	1/18014398509481984	1/36028797018963968	1/72057594037927936	1/144115188075855872	1/288230376151711744	1/576460752303423488	1/1152921504606846976	1/2305843009213693952	1/4611686018427387904	1/9223372036854775808	1/18446744073709551616	1/36893488147419103232	1/73786976294838206464	1/147573952589676412928	1/295147905179352825856	1/590295810358705651712	1/1180591620717411303424	1/2361183241434822606848	1/4722366482869645213696	1/9444732965739290427392	1/18889465931478580854784	1/37778931862957161709568	1/75557863725914323419136	1/151115727451828646838272	1/302231454903657293676544	1/604462909807314587353088	1/1208925819614629174706176	1/2417851639229258349412352	1/4835703278458516698824704	1/9671406556917033397649408	1/19342813113834066795298816	1/38685626227668133590597632	1/77371252455336267181195264	1/154742504910672534362390528	1/309485009821345068724781056	1/618970019642690137449562112	1/1237940039285380274899124224	1/2475880078570760549798248448	1/4951760157141521099596496896	1/9903520314283042199192993792	1/19807040628566084398385987584	1/39614081257132168796771975168	1/79228162514264337593543950336	1/158456325028528675187087900672	1/316912650057057350374175801344	1/633825300114114700748351602688	1/1267650600228229401496703205376	1/2535301200456458802993406410752	1/5070602400912917605986812821504	1/10141204801825835211973625643008	1/20282409603651670423947251286016	1/40564819207303340847894502572032	1/81129638414606681695789005144064	1/162259276829213363391578010288128	1/324518553658426726783156020576256	1/649037107316853453566312041152512	1/1298074214633706907132624082305024	1/2596148429267413814265248164610048	1/5192296858534827628530496329220096	1/10384593717069655257060992658440192	1/20769187434139310514121985316880384	1/41538374868278621028243970633760768	1/83076749736557242056487941267521536	1/166153499473114484112975882535043072	1/332306998946228968225951765070086144	1/664613997892457936451903530140172288	1/13292279957849158729038070602803456	1/26584559915698317458076141205606912	1/53169119831396634916152282411213824	1/106338239662793269832304564822427648	1/212676479325586539664609129644855296	1/425352958651173079329218259289710592	1/850705917302346158658436518579421184	1/1701411834604692317316873037158842368	1/3402823669209384634633746074317684736	1/6805647338418769269267492148635369472	1/13611294676837538538534984297270738848	1/2722258935367507707706996859454147776	1/5444517870735015415413993718908295552	1/10889035741470030830827987437816591104	1/21778071482940061661655974875633182208	1/43556142965880123323311949751266364416	1/87112285931760246646623899502532728832	1/17422457186352049329324779900506545664	1/348449143727040986586495598010130912	1/696898287454081973172991196020261824	1/1393796574908163946345982320040523648	1/2787593149816327892691964640081047296	1/5575186299632655785383929280162094592	1/11150372599265311570767858560324189184	1/22300745198530623141535717120648378368	1/446014903970612462830714342412967577312	1/89202980794122492566142868482593554464	1/17840596158824498513228573696518710912	1/35681192317648997026457147393174221824	1/7136238463529799405291429478634844352	1/14272476927059598810582858957269688704	1/28544953854119197621165778114539377408	1/57089907708238395242331556229078751616	1/114179815416476790484663112458157503232	1/228359630832953580969326224916315006464	1/456719261665907161938652449832630012928	1/913438523331814323877304899665260051552	1/182687704666362864775460979933052010304	1/365375409332725729550921959866104020608	1/730750818665451459101843919732208041216	1/1461501637330902918203687839464416022432	1/2923003274661805836407375678928832044864	1/5846006549323611672814751357857664089728	1/11692013098647223345629502715715328179552	1/23384026197294446691259005431430656359104	1/46768052394588893382518010862861312718208	1/93536104789177786765036021725722625436416	1/18707220957835557353007204345144525087232	1/37414441915671114706014408690289050174464	1/74828883831342229412028817380578100348928	1/149657767662684458224057634761156200697536	1/29931553532536891644811526952231241395104	1/5986310706507378328962305390446248278208	1/11972621413014756657924610780892496556416	1/239452428260295133158492215617849931282304	1/478904856520590266316984431235699862564608	1/957809713041180532633968862471399725129216	1/19156194260823610652679377249427984582432	1/38312388521647221305358754498855969164864	1/76624777043294442610711550997711938328928	1/153249554086588885221423019995423876657856	1/306499108173177770442846039990847753315712	1/61299821634635554088569207998169550627424	1/122599643269271108177138415996339101254848	1/24519928653854221635427683199267820250976	1/49039857307708443270855366398535640501952	1/9807971461541688654171073279707128010304	1/19615942922823377308342146594142560020608	1/3923188584564675461668429318828512041216	1/7846377169129350923336858637657024082432	1/15692754338258701846673717275314048164464	1/31385508676517403693347434550628096328928	1/6277101735303480738669486910125619257776	1/1255420347060696147733897382025123945552	1/2510840694121392295467794764050247911104	1/502168138824278459093558952810049582208	1/1004336277648556918187117905620099164416	1/2008672555297113836374235811240198328832	1/4017345110594227672748471622480396657664	1/8034690221188455345496943244960793315328	1/16069380442376910690993886489921586630656	1/32138760884753821381987772979843173271312	1/64277521769507642763975545959686346542624	1/1285550435390152855279510919193726930848	1/2571100870780305710559021838387453861696	1/5142201741560611421118043676774907323392	1/1028440348312122284223607353354981446688	1/2056880696624244568447214706709962893376	1/4113761393248489136894429413419925786752	1/8227522786496978273788858826839851573504	1/16455045572993956547577717653679703147008	1/32910091145987913095155435307359406294112	1/65820182291975826190310870614718812588224	1/13164036458395165238062174122943762517648	1/26328072916790330476124348245887525035296	1/52656145833580660952248696491775050070592	1/105312291667601321904497392983540100141184	1/210624583335202643808994785967080200282368	1/421249166670405287617989571934160400564736	1/842498333340810575235979143868320801129472	1/1684996666881621150471958287736641602248944	1/3369993333763242300943916575473283204497888	1/6739986667526484601887833150946566408995776	1/1347997333505297240377566630189313217991552	1/2695994667010594480755133260378626435983104	1/5391989334021188961510266520757252871966208	1/10783978668042377923020533041514505743932512	1/21567957336084755846041066083029011487865024	1/43135914672169511692082132166058022975730048	1/8627182934433902338416426433211604595146096	1/172543658688678046768328528664232091902912	1/345087317377356093536657057328464183805824	1/690174634754712187073314114656928367611648	1/1380349269509424374146628229313856735223296	1/276069853901884874829325645862734747044512	1/552139707803769749658651291725469494089024	1/1104279415607539499317302583450938988178048	1/2208558831215078998634605166901877976356096	1/4417117662430157997269210333803755952712192	1/8834235324860315994538420667607511905424384	1/17668470649720631989076841335215023810848768	1/3533694129944126397815368267043004762169728	1/7067388259888252795630736534086009524339552	1/14134776519776505591261473068172019048679104	1/28269553039553011182522946136344038097358208	1/56539106079106022365045892272688076194716416	1/11307821215821204473009178454537615238943232	1/226156424316424089460183569090752304778864	1/452312848632848178920367138181504609557728	1/9046256972656963578407342763630092191155552	1/1809251394531392715681468552726018438231104	1/3618502789062785431362937105452036864462208	1/7237005578125570862725874210904073728924512	1/14474011156251141725451748421808147578448	1/289480223125022834509034968436162951568976	1/578960446250045669018069936872325903137952	1/115792089250009133803613987374461818588992	1/231584178500018267607227974748923637177984	1/463168357000036535214455949497847274355808	1/926336714000073070428911898995694548711616	1/1852673428000146140858223797991389097423328	1/3705346856000292281716447595982778194846656	1/7410693712000584563432895191965556389693312	1/14821387424001169126865790383931113791686624	1/296427748480023382537315807678622275833728	1/592855496960046765074631615357244551667456	1/1185710993920093530149323226744489113334912	1/2371421987840187060298646453488978226668824	1/47428439756803741205972929069779564533376	1/94856879513607482411945858139559129066752	1/189713759027214964838891762779118258133504	1/379427518054429929677783525558236516267008	1/758855036108859859355567051116473032534016	1/1517710072217717718711134102232946065068032	1/3035420144435435437422268204465892130136064	1/6070840288870870874844536408931784260272128	1/1214168057774174174968907281786356852054456	1/242833611554834834993781456357271370108896	1/485667223109669669987562912714542740217792	1/971334446219339339975125825429085404355584	1/194266889243867867955025165085817080871168	1/388533778487735735910050330171634161742336	1/777067556975471471820100660343268323484672	1/155413511395094294364020132068653664696944	1/310827022790188588728040264137307329393888	1/621654045580377177456080528274614658787776	1/1243308091160754354912161056549229317557552	1/2486616182321508709824322113098458635115104	1/497323236464301741964864422619691732222208	1/994646472928603483929728845239383464444416	1/198929294585720696785945769047876692888896	1/39785858917144139357189153809575385777792	1/79571717834288278714378307619150771555584	1/159143435668576557428756615238301541111168	1/318286871337153114857513230476603082222336	1/636573742674306229715026460953206164444672	1/127314748534861245943005292190641232888944	1/254629497069722491886010584381282467777888	1/509258994139444983772021168762564935555776	1/101851798827888976754404233752512971111552	1/20370359765577795350880846750502582222304	1/40740719531155590701761693501000516444608	1/81481439062311181403523387002001032889216	1/162962878124622362807046774004002065778432	1/325925756249244725614093548008004131556864	1/651851512498489451228187096016008263113728	1/1303703024996978902456374192032016526227552	1/2607406049993957804912748384064033052455104	1/5214812099987915609825496768128066010490208	1/1042962419997823121965099353625613201980416
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FOREIGN

To all parts of E
ARGENTINE REPUB
EGYPT, JAPAN, ME
PERSIA, and TURKEY

half ounce, prepayme
paid, a fine is collected
1 ct. in addition to stamp

2 cts. each, if not over 4
additional 4 ounces or
printed matter and Sar
age and an additional

fraction thereof—the *mu*
papers being 5 cts. for
except Letters, must be
other packages must be

of a fee of 10 cts. The Great Britain and Ireland not over \$10, 25 cts.; \$11

\$30, 75 cts. ; \$30 to \$40, 1.00 cts. ;
On Germany, not over 1.00 cts. ; \$10 to \$20, 50 cts. ;
\$40, \$1.00 ; \$40 to \$50, \$1.00 ;

To the DOMINION OF
WICK, NOVA SCOTIA, &
Printed Matter, Sample
same as U. S. notes, and

any weight within the must not be exceeded. Orders on Canada are: to \$20, 40 cts.; \$20 to \$40, 50 cts.; \$40 to \$50, \$1.00.

STAMP

CHECKS, DRAFTS, NO
by Bank, Banker, or Tr
stamp duty of 2 c.; all oth



C POSTAGE.

throughout the United States, or a fraction thereof; if pre-
sufficient postage is collected.

LETTERS, 2 cts. per half
ounce, a free carrier's delivery
POSTAL CARDS, 1 ct. each.

with absolute safety by mail
Money Order. The fees are: on
\$15, 10 cts.; \$15 to \$30, 1
\$40 to \$50, 25 cts.

in one package, to one ad-
dressed, 10 cts. or fraction thereof, no

NEWSPAPERS and other printed
matter, 1 ct. for 2 ounces or part
thereof, 1 lb.

Cuttings, Bulbs, Roots,
Merchandise (except Liquid
Drugs, Ores, Flexible Patterns,
Photographic Views, Paper, Enve-
lopes, Articles not from their form
may injure the mails, 1 ct. for each

Matter may be registered
for 10 cts. in addition to regular

must have the name and address
of the sender, the word "From" prefixed on the
envelope, and names of the articles
in brief form.

must be fully prepaid
for the postage not above specified, same
rule, except Letters, must be
inspected, is allowed, without
penalty.

FOREIGN POSTAGE.

To all parts of EUROPE, BRITISH INDIA,
ARGENTINE REPUBLIC, BERMUDAS, BRAZIL,
EGYPT, JAPAN, MEXICO, NEWFOUNDLAND,
PERSIA, and TURKEY, for Letters, 5 cts. per
half ounce, prepayment optional; if not pre-
paid, a fine is collected on delivery. Postal Cards,
1 ct. in addition to stamp impressed. Newspapers,
2 cts. each, if not over 4 ounces, and 2 cts. for each
additional 4 ounces or part thereof. For other
printed matter and Samples, 1 ct. for each pack-
age, and an additional 1 ct. for each 2 ounces or
fraction thereof—the *minimum* rate for commercial
papers being 5 cts. for a package. All matter,
except Letters, must be prepaid. Letters and
other packages may be registered on payment
of a fee of 10 cts. The fees for Money Orders on
Great Britain and Ireland and Switzerland are:
not over \$10, 25 cts.; \$10 to \$20, 50 cts.; \$20 to
\$30, 75 cts.; \$30 to \$40, \$1.00; \$40 to \$50, \$1.25.
On Germany, not over \$5, 15 cts.; \$5 to \$10, 25
cts.; \$10 to \$20, 50 cts.; \$20 to \$30, 75 cts.; \$30 to
\$40, \$1.00; \$40 to \$50, \$1.25.

To the DOMINION OF CANADA, NEW BRUN-
SWICK, NOVA SCOTIA, &c., Letters, Postal Cards,
Printed Matter, Samples, &c., must be prepaid
same as U. S. rates, except Samples are 10 cts. for
any weight within the limit of 8 ounces, which
must not be exceeded. The fees for Money
Orders on Canada are: not over \$10, 20 cts.; \$10
to \$20, 40 cts.; \$20 to \$30, 60 cts.; \$30 to \$40, 80
cts.; \$40 to \$50, \$1.00.

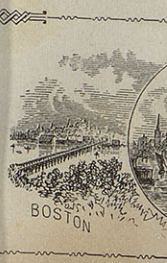
STAMP DUTIES.

CHECKS, DRAFTS, NOTES, ORDERS, &c., if paid
by Bank, Banker, or Trust Co., are subject to a
stamp duty of 2 c.; all other instruments are exempt.



POPULATION OF STATES AND TERRITORIES—1870.

STATES.	POPULA.	STATES.	POPULA.
Alabama	996,992	Oregon	90,94
Arkansas	484,471	Pennsylvania	3,521,78
California	560,247	Rhode Island	217,33
Connecticut	537,454	S. Carolina	765,66
Delaware	125,015	Tennessee	1,258,55
Florida	187,748	Texas	818,35
Georgia	1,184,109	Vermont	330,58
Illinois	2,539,891	Virginia	1,225,11
Indiana	1,680,637	W. Virginia	442,00
Iowa	1,191,792	Wisconsin	1,054,66
Kansas	364,399	—	—
Kentucky	1,321,011		
Louisiana	726,915	TERRITORIES	
Maine	626,915	Arizona	9,6
Maryland	780,894	Colorado	39,8
Massachusetts	1,457,351	Dakota	14,1
Michigan	1,184,059	D. Columbia	131,1
Minnesota	439,706	Idaho	14,6
Mississippi	827,922	Montana	20,1
Missouri	1,721,295	New Mexico	91,8
Nebraska	122,993	Utah	86,1
Nevada	42,491	Washington	23,1
N. Hampshire	318,300	Wyoming	9,1
New Jersey	906,096		
New York	4,382,759		
N. Carolina	1,071,361	Total	38,555
Ohio	2,665,260		



PRINCIPAL CITIES—THEIR DISTANCE FROM BOSTON IN TIME

CITIES.	
Albany, N. Y.	
Baltimore, Md.	
Boston, Mass.	
Brooklyn, N. Y.	
Buffalo, N. Y.	
Burlington, Iowa.	
Charleston, S. C.	
Chicago, Ill.	
Cincinnati, Ohio.	
Cleveland, Ohio.	
Detroit, Mich.	
Galveston, Texas.	
Indianapolis, Ind.	
Louisville, Ky.	
La Crosse, Wis.	121
Memphis, Tenn.	122
Milwaukee, Wis.	99
Mobile, Ala.	162
Montreal, Ca.	39
New Orleans, La.	148
New York, N. Y.	
Omaha, Neb.	142
Philadelphia, Pa.	8
Pittsburgh, Pa.	43
Portland, Me.	34
Quincy, Ill.	116
Richmond, Va.	35
Salt Lake City, U. T.	246
San Francisco, Cal.	330
St. Joseph, Mo.	139
St. Louis, Mo.	108
St. Paul, Minn.	134
Saratoga Sp's, N. Y.	183
Washington, D. C.	226
W. Mountains, N. H.	323



OF STATES AND TERRITORIES—1870.

PRINCIPAL CITIES.

THEIR DISTANCE FROM NEW YORK, WITH THE DIFFERENCE IN TIME AND POPULATION.

STATES.	POPULATION.	CITIES.	MILES.	HOURS.	TIME WHEN 12 O'CLOCK AT NEW YORK.	POPULATION.
Oregon.....	90,921	Albany, N. Y.....	144	5	12 1 6 PM	76,216
Pennsylvania.....	3,521,791	Baltimore, Md.....	186	8	11 49 38 AM	267,354
Rhode Island.....	217,331	Boston, Mass.....	231	10	11 50 0 "	250,526
S. Carolina.....	765,601	Brooklyn, N. Y.....	243	11	11 50 0 "	306,300
Tennessee.....	1,258,551	Buffalo, N. Y.....	423	18	11 40 24 AM	117,715
Texas.....	818,531	Burlington, Iowa.....	1118	50	10 51 0 "	14,930
Vermont.....	330,531	Charleston, S. C.....	815	47	11 36 22 "	48,956
W. Virginia.....	442,091	Chicago, Ill.....	898	36	11 6 2 "	298,983
Wisconsin.....	1,054,601	Cincinnati, Ohio.....	744	31	11 18 16 "	216,239
—	—	Cleveland, Ohio.....	581	23	11 30 0 "	92,829
TERRITORIES	—	Detroit, Mich.....	664	27	11 23 54 "	79,577
Arizona.....	9,601	Galveston, Texas.....	1822	120	10 36 58 "	13,818
Colorado.....	39,891	Indianapolis, Ind.....	812	34	11 11 54 "	48,244
Dakota.....	14,151	Louisville, Ky.....	852	41	11 14 4 "	100,754
D. Columbia.....	13,171	La Crosse, Wis.....	1214	50	10 50 0 "	7,785
Idaho.....	14,021	Memphis, Tenn.....	1229	65	10 56 0 "	40,226
Montana.....	20,121	Milwaukee, Wis.....	998	40	11 4 16 "	71,440
New Mexico.....	91,121	Mobile, Ala.....	1628	80	11 0 2 "	32,034
Utah.....	86,491	Montreal, Ca.....	396	19	12 1 44 PM	107,225
Washington.....	23,121	New Orleans, La.....	1483	82	10 56 4 AM	191,418
Wyoming.....	9,121	New York, N. Y.....	0	0	0 0 0 "	926,341
Total.....	38,551	Omaha, Neb.....	1420	56	10 32 0 AM	16,083
		Philadelphia, Pa.....	88	4	11 55 25 "	674,022
		Pittsburgh, Pa.....	431	17	11 36 0 "	86,076
		Portland, Me.....	349	15	12 15 0 PM	31,414
		Quincy, Ill.....	1169	50	10 49 0 AM	24,052
		Richmond, Va.....	356	20	11 46 15 "	51,038
		Salt Lake City, U.T.....	2464	160	9 28 0 "	12,854
		San Francisco, Cal.....	3302	192	8 46 19 "	149,473
		St. Joseph, Mo.....	1391	61	10 37 0 "	19,565
		St. Louis, Mo.....	1089	45	10 55 4 "	310,869
		St. Paul, Minn.....	1347	64	10 43 45 "	20,031
		Saratoga Sp's, N.Y.....	183	8	12 0 1 PM	7,561
		Washington, D. C.....	226	10	11 47 53 AM	109,199
		W. Mountains, N.H.....	323	13 1/2	12 10 30 PM	

NAMES.	BORN.	INAUGURATED.	CON. IN OFFICE	DIED.	NATIVE OF
GEORGE WASHINGTON	Feb. 22, 1732	April 30, 1789	8 years	Dec. 14, 1799	Virginia.
JOHN ADAMS	Oct. 30, 1735	March 4, 1797	8	July 4, 1826	Mass.
THOMAS JEFFERSON	April 2, 1743	" 4, 1801	"	July 4, 1826	Virginia
JAMES MADISON	Mar. 16, 1751	" 4, 1809	"	June 28, 1836	"
JAMES MONROE	April 2, 1759	" 4, 1817	"	July 4, 1831	Mass.
JOHN QUINCY ADAMS	July 15, 1767	" 4, 1825	"	Feb. 23, 1848	Mass.
ANDREW JACKSON	Mar. 15, 1767	" 4, 1829	8	June 8, 1845	S. Carolina.
MARTIN VAN BUREN	Dec. 5, 1782	" 4, 1837	4	Dec. 27, 1862	New York.
WILLIAM H. HARRISON	Feb. 23, 1773	" 4, 1841	1 month	April 4, 1841	Virginia.
JOHN TYLER	Mar. 29, 1790	April 5, 1841	3 yrs. 11 mo.	Jan. 17, 1862	N. Carolina.
JAMES K. POLK	Nov. 24, 1795	March 4, 1845	4 years	June 15, 1849	Virginia.
ZACHARY TAYLOR	Nov. 24, 1790	" 4, 1849	1 yr. 4 months	June 9, 1850	New York.
MILLARD FILLMORE	May 7, 1800	July 10, 1850	2 yrs. 8 mos.	March 8, 1874	New York.
FRANKLIN PIERCE	Nov. 23, 1804	March 4, 1853	4 years	Oct. 8, 1868	Pennsylvania.
JAMES BUCHANAN	April 23, 1791	" 4, 1857	"	June 1, 1868	Kentucky.
ABRAHAM LINCOLN	Feb. 12, 1809	" 4, 1861	4 yrs. 40 days	April 15, 1865	N. Carolina.
ANDREW JOHNSON	Dec. 29, 1808	April 15, 1865	3 yrs. 11 mos.	July 31, 1875	Ohio.
ULANSES S. GRANT	April 27, 1822	March 4, 1867	8 years	"	"

JANUARY,

Robert
Hughes

$$\begin{array}{r}
 50 \\
 115 \\
 \hline
 2885 \\
 1000 \\
 \hline
 \$18.85
 \end{array}$$

$$\begin{array}{r} 8 \\ 132 \\ \hline 141 \\ \hline 24 \end{array}$$
$$\begin{array}{r} 51 \\ 20 \cdot 10 \\ \hline 2240 \\ 2254 \\ \hline 2286 \\ 78.54 \end{array}$$



JANUARY, THURSDAY 1. 1880.

Robert F. Elgin
Hugheston Lewis

Lafayette Colquhitt
Dann
Lewis

7 84
3 8 6

50
115
9 8 8 5

35
100

FRIDAY 2.

10 00
\$18.80 765
85
825
1320
14025
2455

5
5
10
96
96
96
1895

51
40 10
22 40
22 54
78.54

27
18
45

JAMES MONROE ADAMS. July 11, 1757.
JOHN QUINCY ADAMS. Mar. 15, 1767.
ANDREW JACKSON. Dec. 5, 1782.
MARTIN VAN BUREN. Dec. 5, 1782.
WILLIAM H. HARRISON. Feb. 9, 1773.
JOHN TYLER. Mar. 29, 1790.
JAMES K. POLK. Nov. 2, 1795.
ZACHARY TAYLOR. Nov. 24, 1790.
MILLARD FILLMORE. May 7, 1800.
FRANKLIN PIERCE. Nov. 23, 1791.
JAMES BUCHANAN. Apr. 13, 1791.
ABRAHAM LINCOLN. Feb. 12, 1800.
ANDREW JOHNSON. Dec. 29, 1822.
UNIVERSITY OF CHICAGO. April 2, 1822.
S. CAROLINA. June 8, 1845.
NEW YORK. Dec. 27, 1862.
VIRGINIA. April 4, 1841.
N. CAROLINA. Jan. 17, 1862.
N. CAROLINA. June 15, 1849.
NEW YORK. July 9, 1850.
NEW HAMPSHIRE. March 8, 1874.
PENNSYLVANIA. Oct. 8, 1869.
KENTUCKY. June 1, 1868.
N. CAROLINA. April 15, 1865.
OHIO. July 31, 1875.

JANUARY,

SATURDAY 3.

1880.

JANUARY,

Horse Stud

15 S on left - Shoulder
60 on neck Right -
Christ - Small

SUNDAY 4.

DAY 3.

1880.

JANUARY,

MONDAY 5.

1880.

u Stud

u - Shoulder
u Right -
u

AY 4.

TUESDAY 6.

JANUARY,

WEDNESDAY 7.

1880.

JANUARY,

THURSDAY 8.

SA

AY 7.

1880.

JANUARY,

FRIDAY 9.

1880.

AY 8.

SATURDAY 10.

JANUARY,

SUNDAY 11.

1880.

JANUARY,

MONDAY 12.

W

11.

1880.

JANUARY,

TUESDAY 13.

1880.

12.

WEDNESDAY 14.

JANUARY,

THURSDAY 15.

1880.

JANUARY,

S

FRIDAY 16.

1880.

JANUARY,

SATURDAY 17.

1880.

SUNDAY 18.

JANUARY,

MONDAY 19.

1880.

JANUARY,

V

TUESDAY 20.

19.

1880.

JANUARY,

WEDNESDAY 21.

1880.

20.

THURSDAY 22.

JANUARY,

FRIDAY 23.

1880.

JANUARY,

SATURDAY 24.

1880.

JANUARY,

SUNDAY 25.

1880.

MONDAY 26.

JANUARY,

TUESDAY 27.

1880.

JANUARY,

T

WEDNESDAY 28.

7.

1880.

JANUARY,

THURSDAY 29.

1880.

28.

FRIDAY 30.

JANUARY,

SATURDAY 31.

1880.

W. D. W. Miller Dr
 53 bushels 18 lbs corn
 at 1.60 Cents per bushel
 for 30 bushels

100	7 100	1 3
53	120	4
800	20	92
800	47	47/36
131	20	30/100
131	37	112
131	94	480 30
131	161	56 28
		12
		14
		6
		7

FEBRUARY,

Hay
 day on
 Lumber
 Trail

Lumber
 Trail

FEBRUARY,

SUNDAY 1.

1715-
 95-
 1810
 1805-
 3615

Monday

1. 1880.

W D R
R
3 corn
the bushel

0 1 1/3
10 1/4
56 9 1/2

100/2
112/2
480 20 12
56 28 14

6
7

FEBRUARY, MONDAY 24/ 1880.

Hay Loaded this 75- 70
Lay on Arrangements 65- 80
Lay on Arrangements 75- 75-
Lay on Arrangements 75- 70
Lay on Arrangements 70- 75-
Lay on Arrangements 75- 80
Lay on Arrangements 80- 80
Lay on Arrangements 70- 80
Lay on Arrangements 75- 70
Lay on Arrangements 85- 75-
Lay on Arrangements 65- 70
Lay on Arrangements 70- 80
Lay on Arrangements 70- 98 1/2
Lay on Arrangements 98 1/2
Lay on Arrangements 101 1/2
Lay on Arrangements 115 1/2
Lay on Arrangements 115 1/2

TUESDAY 3.

Momahan & Kennedy

FEBRUARY,

WEDNESDAY 4.

1880.

FEBRUARY,

THURSDAY 5.

4. FEBRUARY 1880.

FEBRUARY,

FRIDAY 6.

1880.

SATURDAY 7.

FEBRUARY,

SUNDAY 8.

1880.

✓ Geo Rollins
112 4/10 1300 9.00
paid to
for Chris Southard 175-

FEBRUARY,

Left - D

Wright -

\$375.80

28.00

Left - 4

MONDAY 9.

1880.

FEBRUARY, TUESDAY 10.

1880.

Left - Draft - over

\$400
175
rd

Wright - Beverly Low
\$375.00 dollars with
\$5 bond and for collection
Left - from \$5 bond and

WEDNESDAY 11.

FEBRUARY, THURSDAY 12.

1880.

FEBRUARY,

Lee

Mrs. d

St. A

FRIDAY 13.

W. G.

2. JANU 1880.

FEBRUARY, SATURDAY 14. JANU 1880.

Leonidas Bortwright
Mr. A. Bortwright
St Augustine
Leif as

SUNDAY 15.

W. C. Powell
Bell Blaine
Leif as

FEBRUARY, MONDAY 16. 1880.

FEBRUARY,

X T J
low
nature
left - a
and -

TUESDAY 17.

Bought
the
house
the
the
our
I have
a house
I want
a house
Applied to
every
house

1880.

FEBRUARY, WEDNESDAY 18.

1880.

X T 5
Low Lided from
Native Cane. Hide
left at camp Skated
out

THURSDAY 19.

Bought of Mr Dargitz
the Bulbs and
House Toys on
the one near
the Bacon Yard and
our camp the plan
I had picked to build
a house, have hired
Dargitz to build one
a house and a
Applied to have the plan
enlarged, with to
purchase it

FEBRUARY, 21 FRIDAY 20.7 1880.

Oversee cloths ✓
 1 Pr #19 Shave ✓
 1 Paper Sacks (Shave) ✓
 get these for (Sorgitz MM)
 - - - - -
 for C Southard
 1 Pocket Dictionary ✓
 1 mem book (good) ✓
 1 Seed Penals ✓
 for Cumb
 Beans ✓
 "meal ✓
 "males ✓
 "Cupin ✓
 "Chickens ✓

SATURDAY 21.

Kerosene Oil ✓
 "Wick ✓
 Flour ✓

Wheat, 7m
 get back
 leave at York ✓
 deliver mch 4th 1880

25-
 39
 2064
 2100

FEBRUARY,

Trip
 Bull On
 Lo 2 1/2
 " 12 1
 " 3 2
 " 50 10
 " 14 Bn
 " Sack
 " 2 Co
 " Rap
 14 ad
 250 c
 100 da
 2 Bush
 1000
 Bucks

Vaseline

after 1
 5- B ar
 1 Ball
 1 Bush B
 Meneses

Geo Roll
 Chocky Ho
 Co Bn

Flight to
 Hocking Springs
 City

1000
 1000

THU 1880.

FEBRUARY,

SUNDAY 22.

THU 1880.

Trip to 1st for Griffin
Bull Outfit for
2 1/2 pk corn 3 75-
" 12 Bacon @ 12 150
" 3 Soda 36
" 50 lb Flour 2 50
" 14 Bx apple sauce 1 75-
" Sack salt 15-
" 2 Cuffin (sag) 50
" Rope 3 00
" 1 1/2 Molasses 1 00
" 200 coffee 50
" 100 Daisy Flour 5 00
" 2 Bushels Corn 2 32
" 10 lb Bacon 1 03
" Buckskin 25-

MONDAY 23.

Venison Ham 72
24 83

Apple sauce 1 00
5 B arrow 60
1 Gall Molasses 1 00
1 Bush Corn from Ranch 1 50
Molasses & Flour from Snyder 5 90
33 83

Geo Rollins Wages Apr 10 20 66
Charly Fowler Wages 34 20 00

Co Bx 79 49
Freight to 215 08 215 08
Hocking Springs 135 59

City of Grise Retd 2 00
214 Grise Apr 1st 1880 net profit 137 59

FEBRUARY,

TUESDAY 24.

1880.

Chas Southwood
to Sam King sold Band Pong
" corn sold George
cash over down

~~Band Pong~~
Hag the 40 gal drum on
train in goods to buy it
O Southwood making the trade

WEDNESDAY 25.

FEBRUARY,

Lully
Bank
Craw
Pong
Shut

FEBRUARY,

SATURDAY 28.

1880.

MARCH,

Geo Kelling
 To mdee from Current 450
 " 50 Flour 321
 Moh To ord on Current 1161
 Moh By Balance from
 old account 1936
\$1936

SUNDAY 29.

✓ See a
 ✓ "
 ✓ W
 ✓ See abo
 ✓ m a
 ✓ See a
 ✓ See
 ✓ Wait
 ✓ buy
 ✓ See C
 ✓ Have
 ✓ See abo
 ✓ Have 10
 ✓ See abo

Geo
 To m
 H E
 To f

Geo
 Cr By Ba
 Cash
 at Cow
 I have in

1880.

MARCH,

MONDAY 1.

1880.

- ✓ See about my Trunk
- ✓ " " Saddle
- ✓ Write Letters
- ✓ See about Wagon at shop
- ✓ Mail Letters
- ✓ See about Cotton
- ✓ Send money to my
- ✓ Writing Envelopes
- ✓ buy some Chickens
- ✓ See C Fowler
- ✓ Have Bill made up
- ✓ See about whips at shop
- ✓ Have Knife ground
- ✓ See about Lunt's order

4.50

5.25

11.61

\$19.36

19.36

TUESDAY 2.

Geo Rollins
To make from Kennedy

H E Rollins
To ~~Rollins~~ order 200

Geo Rollins
Or by Baggage from
Cattle brought
at Cow Camp in 1879 for
Killing in men Book \$19.36

3. 1880.

MARCH,

FRIDAY 5.

1880.

de
for
ms 3015

750
6750

11,61

56
67 1/2
39 2
33 6 8
3780
37 1/2
50
87 1/2
6
53

SATURDAY 6.

4,50

MARCH,

SUNDAY 7.

1880.

MARCH,

MONDAY 8.

1880.

MARCH,

TUESDAY 9.

1880.

WEDNESDAY 10.

MARCH,

THURSDAY 11.

1880.

MARCH,

S

FRIDAY 12.

1880.

MARCH,

SATURDAY 13.

1880.

SUNDAY 14.

MARCH,

MONDAY 15.

1880.

MARCH,

V

TUESDAY 16.

1880.

MARCH,

WEDNESDAY 17.

1880.

THURSDAY 18.

MARCH,

FRIDAY 19.

1880.

H H Miller
South Paramo
Stephen Co
McCain Creek Road
Head of Vene Creek

SATURDAY 20.

MARCH,

H H Miller
20 55 bush
at 16
Co By m
29 Bureau
Apr 20 By m
fine 8. 100
Bacon
mme 17 200
see 31 Ruff
Jan 31 Hagg
cash 10 m
molasses
Kilom

1880.

MARCH,

SUNDAY 21.

1880.

W. H. Snyder

20 55 bush of 7223 corn

at 160 bush

8935-

Or By 7223

20.55-

7223 Bureau (Snyder)

\$68.50

Apr 20 By 7223 900

June 8. 7223 220

Bacon 200

Mar 19 7223 200

Dec 31 7223 40

Jan 31 Handkerch 25-

Cash 10 in 7223 30

Molasses 65-

Flour 325-

7223 5-

MONDAY 22.

MARCH,

TUESDAY 23.

1880.

MARCH,

H. E.
21 6000
111 am
56/6000
36
4
39

freight-
added
for 100
1652

WEDNESDAY 24.

H. E.
To freight
of freight
Chaff-
things
from 10
ad- 85-
61
425
100
1425
43
8
change H. E.

1880.

MARCH,

THURSDAY 25.

1880.

H. E. Conrad
 21 covering born at
 111 auto for Buchel

$$\begin{array}{r} 56/6000 \quad 107 \quad 1 \\ \underline{56} \quad 400 \quad 111 \quad 7 \\ 392 \end{array}$$

$$\begin{array}{r} 8/0 \quad 107 \quad 107 \quad 107 \\ 107 \quad 107 \quad 107 \quad 107 \\ 107 \quad 107 \quad 107 \quad 107 \end{array}$$

 freight- $\frac{1}{2}$ hr
 added to Buchel at 85¢
 for 100 miles for 1000000 miles
 165 miles

FRIDAY 26.

H. E. Conrad
 for freight on 15336 lbs
 of freight delivered to
 Cliff-Beak at Hackberry
 Springs this day and under
 from Griffin 165 miles
 at 85¢ for 100 miles

$$\begin{array}{r} 65 \\ 425 \\ \hline 11.0 \\ 14.25 \end{array}$$

$$\begin{array}{r} 85 \\ 55 \frac{1}{4} \\ \hline 140 \frac{1}{4} \end{array}$$

$$\begin{array}{r} 15336 \\ 140 \frac{1}{4} \\ \hline 613440 \\ 15336 \\ \hline 3834 \end{array}$$

 charge H. E. Conrad \$215,0874

MARCH,

SATURDAY 27.

1880.

MARCH,

Apr 4/80
 J. O. Conrad Dr
 To freight on 6000 ft 215 08
 " freight on 6000 ft 84 15
 To 100 7 1/2 Bush corn 118 93
 do 218 16
 Balance due on note of 4/30 433 55
 851 71

SUNDAY 28.

1880.

MARCH,

MONDAY 29.

1880.

215 08
84 15"
118 93

418, 16
433, 55

851, 71

TUESDAY 30.

MARCH,

WEDNESDAY 31.

1880.

APRIL,

2 Gait
Bull
10 ac
50 lbs
5' 10"
on 6 1/2
Cuz
3 Bay
B a v
Mnt
Rup
1 1/2 Dav
Chas To

APRIL,

THURSDAY 1.

Shipped to Capt June Park
at Hopkey Springs La
for 4 Edward

450 sacks corn 5925 lbs
1/2 " 1 " 75 "

Shipped from cow camp 6000 lbs

84.15
2 15.04
2 99.24

140.00
2400.00
6000.00
8445.00
84.15

1. 1880.

APRIL,

FRIDAY 2.

1880.

Trip 2^d to Hocking ship
 Bull Outfit -
 1 Sack Corn 300
 50 lbs Flour 350
 5 lbs Coffee
 or 6 1/2 lbs coffee 162
 Cash for meat 100
 3 Bay oil barrel 38
 Bacon 48 lbs 12 1/2 225
 Meat ch 05-
 Rags 150
 1 1/2 Gall molasses 150
 \$1430
 Chas Fowler mfg 1000

SATURDAY 3.

June 2^d
 July

592526
 75 11
 600000
 14014
 240000
 600000
 800000
 84.15

APRIL,

SUNDAY 4.

1880.

APRIL,

gummed Oxalic acid

MONDAY 5.

1880.

APRIL,

TUESDAY 6.

1880.

lie said

WEDNESDAY 7.

APRIL,

THURSDAY 8.

1880.

APRIL,

FRIDAY 9.

1880.

APRIL,

SATURDAY 10.

1880.

SUNDAY 11.

APRIL,

MONDAY 12.

1880.

APRIL,

TUESDAY 13.

1880.

APRIL,

WEDNESDAY 14.

1880.

THURSDAY 15.

APRIL,

FRIDAY 16.

1880.

APRIL,

H. B. Sutton How
Recommended by ~~W. H. L.~~ G. Surrey

SATURDAY 17.

10 has
or 13
1 M
40 Mo
" Ca
" CV

1880.

APRIL,

SUNDAY 18.

1880.

How
Surrey

MONDAY 19.

Chas Howler
 Cr B Labor to date
 1 M 18 days 30.00
 40 mider CTR 115
 " Cash 10.00
 " CTR cash 18.85

\$50.00 \$50.00

30.63

63

\$30.63

\$30.63

APRIL,

TUESDAY 20.

1880.

APRIL,

WEDNESDAY 21.

1880.

APRIL,

THURSDAY 22.

• 1880.

FRIDAY 23.

MAY,

FRIDAY 14.

1880.

MAY,

SATURDAY 15.

1880.

MAY,

SUNDAY 16.

1880.

MONDAY 17.

MAY,

TUESDAY 18.

1880.

MAY,

WEDNESDAY 19.

Thos

Commence

at 20 d

July 10 a

July 26 a

July 9 d

for and o

July
19 By Lot

1880.

MAY,

THURSDAY 20.

1880.

FRIDAY 21.

Thos Hedricks

Commenced work this day
at 20 dale org per monthJuly 1st Lr Cash

500

July 26 Cash

200

\$700July 9th

In and on Commenced

2500

July

19 By

Lofort to date

\$3200\$3200

MAY,

SATURDAY 22.

1880.

MAY,

Thos
work
this d
for m
Comm
Camp
stop
Sun
Itine
dub

SUNDAY 23.

Thos H. Hunt

1880.

MAY,

MONDAY 24.

1880.

These peddlers commenced
 work in the Bull camp
 this day at Twenty dollars
 per month (\$20). He
 commenced at the Cow
 camp. the day the Louis
 stopped for Haffin
 See Cash & merchandise
 items got over this
 date changed to him

TUESDAY 25.

MAY,

WEDNESDAY 26.

1880.

MAY,

THURSDAY 27.

6.

1880.

MAY,

FRIDAY 28.

1880.

SATURDAY 29.

MAY,

SUNDAY 30.

1880.

JUNE,

Chas Howler Dr
 2/50 Cash 2.00
 " Cash 2.00
 " Cash 2.00
 Shove 2.00
 Cash 75
 Can Salmon 50
 20 Cash \$4.25
 \$5.82
 \$14.57
 May 31 By Labor
 23 By Cash 14.57
 24 By Cash 14.57

MONDAY 31.

4/6 Leonard
 2/4 6 by By Hide
 " 2/1 1/2 By Hide

1880.

JUNE,

TUESDAY 1.

1880.

by Dr.

2 00

2 00

2 00

2 00

75

50

on

\$4.25

5 82

\$14 57

on 14 57

20.00

Hills
Hills

WEDNESDAY 2.

JUNE,

THURSDAY 3.

1880.

JUNE,

FRIDAY 4.

1880.

JUNE,

SATURDAY 5.

1880.

SUNDAY 6.

JUNE,

MONDAY 7.

1880.

JUNE,

W

TUESDAY 8.

1880.

JUNE,

WEDNESDAY 9.

1880.

THURSDAY 10.

JUNE,

FRIDAY 11.

1880.

JUNE,

The B
at 10
12th
Con

SATURDAY 12.

in 10 p.m. to
- 1000000 - with

Herr
1 Br B
changed
Comm
the
10th
Cue
Herr
Comm
in
and

1880.

JUNE,

SUNDAY 13.

1880.

The Bull th July 9 will
 start tomorrow the
 returned to Lord

6000 2

30

16
 12
 —
 18

MONDAY 14.

Henry Hogg and
 1 Pr Blankets 500

changed in
 this account

250

Commenced at \$2.00 per month
 10th Cash 500

Henry Hogg and
 Commenced at \$2.00 per month
 in the Bull to the south

JUNE,

TUESDAY 15.

1880.

JUNE,

~~Take to the bank~~
Commenced pay for this
day for this Bill out for
at seven dollars ~~(20)~~ per
month X

WEDNESDAY 16.

Bull Grain Looked for Conches

6 pieces of Grain trip 3d

for the 200 Bull 57 1/2

" + C w shirt 4 00

1 Shovel for Conches 7 00

1 Buckle 7 00

2 Shirts from 7 50

5. ^{date} 1880.

JUNE,

THURSDAY 17.

1880.

*to this
all outfit
\$20 per*

FRIDAY 18.

conch

5-10-18

*to the
with*

70-

750

*changed in
this account*

JUNE,

SATURDAY 19.

1880.

JUNE,

SUNDAY 20.

9.

1880.

JUNE,

MONDAY 21.

1880.

TUESDAY 22.

JUNE,

WEDNESDAY 23.

1880.

JUNE,

THURSDAY 24.

Spas
to C

July
to their

the

the 24
Delivered
of 44
found
Belonging to
Fort Briggs
contract

SATURDAY 26.

Ogas Fowler
 To Cash ✓ 200
 In their accounts
 To Cash ✓ 200
 By Hedricks
 To Cash ✓ 200

Received ^{this day} the A. A. & M. Co.
 of Ft. Leavenworth Twenty five thousand
 pounds (25000) promissory freight-
 Belonging to 10th Colo. landed at
 Fort Snelling. Paying on Bonders
 contract - See Contract - at 85¢ per ton

JUNE,

SUNDAY 27.

1880.

JUNE,

MONDAY 28.

for this account

1880.

JUNE,

TUESDAY 29.

1880.

WEDNESDAY 30.

JULY,

THURSDAY 1.

1880.

JULY,

FRIDAY 2.

1880.

JULY,

SATURDAY 3.

1880.

SUNDAY 4.

JULY,

MONDAY 5.

1880.

Chas. Smithard
Su about Look bought from
Dec 15/80

TUESDAY 6.

JULY,

W

Spk as
ann comm
4th 25
Old afc
to this
bought
taken
Suptg Dep
his Cr

20

1880.

JULY,

WEDNESDAY 7.

1880.

el
yht four

John as Dr. & Co.
commenced this day
at 25 dollars per month
old ac. Received in full
to this date, Balance
brought forward to
this date amounts to
Eighty Eight dollars & 44
his Credit \$68.44

580

596

THURSDAY 8.

563

 2226

JULY,

FRIDAY 9.

1880.

Gave Thos Hedrick
order on H & C for
Twenty five dollars in full
Settlement;

JULY, 14th

Sub
June 20

" "
July " "

July 20

July 10th
26 days
at 66%

SATURDAY 10.

Chas Fowler Dr

June 20	1 Amter from cuff	75
"	1 Buckskin Shirt	250
"	Cash	200
"	" for Totus	150
"	" "	35
"	" "	50
July 10 th	1 Seamlas Sack	25
20	order on board	7.85
		9.35
July 9 th boy		\$17.20
Grow 25 days @ 66%		16.70
Carry Southard		50 \$17.20
		17.20

Settled in full to this date

1880.

JULY, 10th SUNDAY 11.

1880.

Hedricks
 our ad for
 org in fun

Jube Johnson Dr
 June 26 cash 3.00
 " " " 2.00
 " " " 35-
 July " " " 1.00
 July 20 ord on board 11.00
 July 10th 13 Labor
 126 days to date
 at 6 2/3 pr day 17.38-
\$17.38-

MONDAY 12.

Dr
 75-
 25-0
 2.00
 15-0
 35-
 50
 25-
 7.85-
 9.35-
 \$17.20

mily + Bro
 Dwell - Water

70
 60 \$ 17 20
 470

JULY,

TUESDAY 13.

1880.

JULY,

Land Bill London N York Co
to be collected in 1880
by 4th month for 1880
at 100 per cent for 100 miles
distance 170 miles

850.1	25000 100
72	144 1/2
59.50	125.00
15	00000
144 1/2	25000
	361.25

Land Bill from 1880
from 1880

361.25 -
327 25 - 3400

WEDNESDAY 14.

X H. Greene
Hansville

85	25000
154	75
	24.00
340	3
425	
150	
85	
13	

$$\begin{array}{r} 25000 \\ 75 \overline{) 25000} \\ \underline{25000} \\ 0 \end{array}$$

1880.

JULY,

THURSDAY 15.

1880.

FRIDAY 16.

17.

1880.

JULY,

MONDAY 19.

1880.

75
10

10

TUESDAY 20.

JULY,

WEDNESDAY 21.

1880.

JULY,

THURSDAY 22.

Saw J. D. Reed about
funding ~~and~~ stars this
morning.

Drew order
Ed. Hoar
dollar &
pay
from

21.

1880.

JULY,

FRIDAY 23.

1880.

SATURDAY 24.

about
this

Drew order on Leonard favor
Ed Young for Fifty-seven
dollars and 10 cents in
payment for Leabon
from Mac 9 in this July 9th 1880

JULY,

SUNDAY 25.

1880.

JULY,

T

MONDAY 26.

V

1880.

JULY,

TUESDAY 27.

1880.

WEDNESDAY 28.

JULY,

THURSDAY 29.

1880.

Saw about paid to
Mr Carpenter
Saw about money for
Chas Southard
Saw about Rural School
Up at Yorkton
Wrote 4 letters
Saw up papers
Saw at Rader's Ranch
Stamped envelopes
Wrote papers
1800 gals ink
Rene

FRIDAY 30.

1.03 Borax
1.00 Camphor
1 pt Alcohol
1 lb. niter
Mr. M. L. makes
a cleaning compound

JULY,

SAT

AUGUST,

29.

1880.

JULY,

SATURDAY 31.

1880.

ly to
my for
rd
inal Boden
nk for
purs
Banch.
dies
k

AUGUST,

SUNDAY 1.

3
mud

AUGUST,

MONDAY 2.

1880.

90
75-
97
77
80
84
72
82
98
78

833

TUESDAY 3.

20/3500
150
140
10
859
175
4295
06013
0859
15030
21010
22503

1880.

AUGUST,

WEDNESDAY 4.

1880.

$$\begin{array}{r}
 835 \\
 1935 \\
 \hline
 36 \overline{) 2768} \quad 77 \\
 \underline{25} \\
 248 \\
 \underline{252} \\
 16
 \end{array}$$

$$\begin{array}{r}
 3500 \\
 859 \\
 \hline
 31500 \\
 3500 \\
 \hline
 1700 \\
 28006500 \\
 \hline
 2006500
 \end{array}$$

THURSDAY 5.

$$\begin{array}{r}
 167 \\
 77 \\
 \hline
 1169 \\
 1169 \\
 \hline
 12859
 \end{array}$$

$$\begin{array}{r}
 6.859 \\
 20
 \end{array}$$

AUGUST,

FRIDAY 6.

1880.

AUGUST,

1480	
11280	141 Bales
1935	26 "
13215	
1686	
1792	
16693	

Hay delivered
to
monday 11th
20th July 1881

8 $\frac{693}{2000}$ Long

SATURDAY 7.

1880.

AUGUST,

SUNDAY 8.

1880.

11 Balls
6 "

by delivered
mon at an & hand
to July 1881

MONDAY 9.

AUGUST,

TUESDAY 10.

1880.

AUGUST,

Th

WEDNESDAY 11.

Leupp V Bost Dr
To York V Co Chalk 2335.
cr B Bine June 144 2335.

10.

1880.

AUGUST,

THURSDAY 12.

1880.

11.

FRIDAY 13.

don

2335
2335

AUGUST,

SATURDAY 14.

1880.

AUGUST,

J B M

Lo J B M
on up

June 15 Cr

B Bier Re

11000000

11 Chut

Aug 2 1/2 for Pa

Sept 11 1/2 for us

12 " "

" " "

Dec due 1/2

B ch

SUNDAY 15.

1880.

AUGUST,

MONDAY 16.

1880.

To B York & Co
 For J. B. Borlow Collection of
 on 100 of Knight. \$327.25

Am 15 Cr

B. Bill Reed 5983

W. W. W. 100

H. H. H. 400

J. J. J. for Pants 250

H. H. H. 2500

12 " " 23.35

" " " 11.57, \$127.25

Due due from 23 \$200.00

By check 200.00

TUESDAY 17.

AUGUST,

WEDNESDAY 18.

1880.

AUGUST,

blue Howler

Sept 20 lunch 5.00

Sept 21 dinner 1.15

Sept 22 dinner .58

Sept 23 dinner 5.00

Sept 24 dinner 10.58

Sept 25 dinner 5.47

Sept 26 dinner 10.53

Sept 27 dinner 3.47

Sept 28 dinner 16.00

Sept 29 dinner 4.13

Sept 30 dinner 1.32

Sept 31 dinner 5.47

THURSDAY 19.

18.

1880.

AUGUST,

FRIDAY 20.

1880.

Henry H. H. H. H.
 H. H. H. H. H.
 H. H. H. H. H.

175-
 75-

SATURDAY 21.

AUGUST,

SUNDAY 22.

1880.

AUGUST,

T

MONDAY 23.

2.

1880.

AUGUST,

TUESDAY 24.

1880.

WEDNESDAY 25.

AUGUST,

THURSDAY 26.

1880.

AUGUST,

S

FRIDAY 27.

y 26.

1880.

AUGUST,

SATURDAY 28.

1880.

SUNDAY 29.

AUGUST,

MONDAY 30.

1880.

SEPTEMBER,

W

TUESDAY 31.

No 5
Lent -
132900

30.

1880.

SEPTEMBER,

WEDNESDAY 1.

1880.

1.

THURSDAY 2.

W. S. Bond -
Lent - City 21 m
13290100 Aug

SEPTEMBER,

TUESDAY 7.

1880.

SEPTEMBER,

TH

WEDNESDAY 8.

7.

1880.

SEPTEMBER,

THURSDAY 9.

1880.

8.

FRIDAY 10.

SEPTEMBER, SATURDAY 11.

1880.

Delivered to Hagg 22m
for M.S. got 8 myow
boards of pt my weight
us freezing 27. d 80 lbs

SUNDAY 12.

SEPTEMBER, 21 M

Henry
To Mch
Blow
" from

backord

for 13
from 14
d at

little
To d

11.

1880.

SEPTEMBER,

MONDAY 13.

1880.

Gay a.m.
8 m. yow
any weight
27.0 80 lbs

Henry (Stragland)
To make farm b. 450
Blankets 500
" Farm charge 500
1450

behind on board 4500
85-9,5-1

for 13 Labors
from 14 to June 15
date 5-9-50
5000

settled in full
to date

2.

TUESDAY 14.

SEPTEMBER, WEDNESDAY 15. 1880.

SEPTEMBER, 1881. WEDNESDAY 15.

THURSDAY 16.

SEPTEMBER,

Y 15. 1880.

SEPTEMBER,

FRIDAY 17.

1880.

1. The first part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom.

16.

SATURDAY. 18.

SEPTEMBER, SUNDAY 19.

1880.

SEPTEMBER, T

MONDAY 20.

19.

1880.

SEPTEMBER,

TUESDAY 21.

1880.

Frank Baldwin

to Cash

1000

" " "

3000

" Cash and

1066

7/466

by By London from 1/1/80

400 to date

1466

Total done for year
1880

20.

WEDNESDAY 22.

Robert King
commenced work
that is to say at
10 o'clock in the morning
for monthH. H. H. H.
commenced work
to be with rest of
10 days for month

SEPTEMBER, THURSDAY 23.

1880.

SEPTEMBER,

SA

Frank

" To

" "

25 " Ca

for By

H. H. W.

London
Train

FRIDAY 24.

Delivered to R. M. Lunt
4 S. W. & Bonds of Play
weighs as follows
30741/100

Oct 5th

20 930

John
Comm
H. H.
Comm

H. H.
Comm

20 d

AY 23.

1880.

SEPTEMBER, SATURDAY 25.

1880.

Frank Baldwin

" To Cash 100
 " " " 300
 45 " Cash ord 1066

\$466

for By Labor from Sept
 4th to date 1466

boland driver in Bull
 Train

24.

SUNDAY 26.

Charles Fowler
 commenced work
 yesterday the 25th
 inst - at 20 dollars
 per month

H Hoagland
 commenced work
 on 26th inst - at
 20 dollars per month

27. 1880.

Frank
to Cash
" "
" " 1880

to Cash
1880

to Cash
1880

to Cash
1880

SEPTEMBER, WEDNESDAY 29.

Frank Baldwin
to Cash 1000
" " 3000
" Cash and 1000
1880

to Cash
1880

to Cash
1880

THURSDAY 30.

to Cash
1880

to Cash
1880

OCTOBER,

FRIDAY 1.

1880.

OCTOBER,

SATURDAY 2.

1880.

OCTOBER,

SUNDAY 3.

1880.

MONDAY 4.

OCTOBER,

TUESDAY 5.

1880.

OCTOBER,

WEDNESDAY 6.

5.

1880.

OCTOBER,

THURSDAY 7.

1880.

FRIDAY 8.

OCTOBER,

SATURDAY 9.

1880.

SUNDAY 10.

1880.

OCTOBER,

MONDAY 11.

1880.

TUESDAY 12.

OCTOBER,

WEDNESDAY 13.

1880.

Wm Greene
 by Ltutor from 4th
 of Sept - till 15th Oct -
 @ 1 m 12 days @ 20 2800
 To cash Fowler 1200
 " Tutor 75
" Cash consols 1525 2800

Settled in full to date

THURSDAY 14.

Chas. Fowler
 by Ltutor 1200
 from 25 Sept till date,
 To cash 1200
1200

OCTOBER,

Adams Y

Oct 15 - by B
 Dr Ltutor
 Bal due
 " to Conrades
 Bal due
 To cash

by B 187

To cash

5

AY 13.

1880.

OCTOBER,

FRIDAY 15.

1880.

ere
 ran 4 etc
 oct-
 25 2800
 75
 25 2800

to date

Adams Yacger & Mordue Phaff

Oct 15 - for B. Hay 208.50
 Dr. G. Mordue 17.15
 Bal due \$191.35
 11 for Conrads check 91.85
 Bal due 100.00
 To cash Paid 100.00

for B. Hay 52.50
 To cash Paid 52.50

ended in full

14.

SATURDAY 16.

oler
 1200
 1200

1157.80 / 69
 690
 1100
 1038

5

276

69
 40
 29 4600
 39

OCTOBER,

SUNDAY 17.

1880.

OCTOBER,

Hay @ 40¢

Comp. @ 20¢

Boat hire 10¢

Wm. F. 10¢

Wm. F. 10¢

$$\begin{array}{r} 17 \quad 10 \\ \quad 125 \\ \hline 11.25 \\ \quad 3 \\ \hline \$33.75 \end{array}$$

MONDAY 18.

17. 1880.

OCTOBER,

TUESDAY 19.

1880.

WEDNESDAY 20.

OCTOBER,

THURSDAY 21.

1880.

W. J. Robertson
Came R & W
East and City

FRIDAY 22.

OCTOBER,

D
6:13
11
time to d
ed 6:45
" 21
B
Mr. 10 C
7:00
1 sh

OCTOBER, MONDAY 25. 1880.
 Lin commenced Oct 24 1880
 DICK Richards
 Beeville to Mason 33
 Nov 20th to back 1000

~~Nov 22nd to back 1000~~
~~Nov 22nd to back 1000~~
 Settled in full with
 Dick Richards
 TUESDAY 26

Dick Richards
 By Linton from Oct 24th
 to Nov 20th 1875
 By Linton 75
 By Balance broford 33
 1983
 Nov 20 to back 1000
 \$9.83
 Nov 20 to Amount paid
 Henry Douglass 9.58
 " 22 to back 25
 \$9.83 \$9.83

OCTOBER, V
 Lhas
 Aug 23 br
 " " On
 Sept 11 - Ro
 175 eni
 ap
 Oct 29 Lo
 Charged
 Mont

25. 1880.

get 34/50
wood 33
ash 1000

229
with

26

hardy
10 Oct 24
1875
75
33
1983
1000
\$9,83
hard
958
285
\$9,83 \$983

OCTOBER,

WEDNESDAY 27.

1880.

THURSDAY 28.

Chas Meyers
Aug 23 bry 127 cups 13 1/2 17 15
" " Onions 30 Nail 80 1 30
Sept 11 - Potatoes 1 50
" 25 Onions 1 50
" apples 1 50
\$2,160
Oct 29 To Cash 21 60

Charged in Exp of
Mont Hary
Oct 1880

OCTOBER,

FRIDAY 29.

1880.

Morton Brewer

SATURDAY 30.

OCTOBER,

NOVEMBER,

H C
3 1/2 L

Paul
2 1/2 L

J E
2 1/4

J W
1 1/2 L

W
3 1/2

1880.

OCTOBER,

SUNDAY 31.

1880.

190
 75
 950
 1330
 1425

NOVEMBER,

MONDAY 1.

H & G Chapin
 3 1/2 ton Hay @ 15 = 52.50

Paul Haffer
 2 1/2 ton @ 15 = 37.50
 Paid 54.92

J & G Leonard
 2 1/4 ton @ 15 = 37.50
 128.17

J. W. Ray
 1 1/2 ton Hay @ 15 = 22.92
 Took to care of 146.09
 3 1/2 ton

Nov 2 1880

NOVEMBER, TUESDAY 2.

1880.

Hay Load on Trains

90-90-90-80 70-60-70-70
 70-60-65-75 70-65-65
 65-65-80-65-80-80-70
 80-65-60-70-60-75-65-
 65-65-70-60-60-60-85-
 80 90 80-60 70-70-65
 450 440 435 410 410 410 420

2970

70-60-60- 920
 60 60 80
 70 60 70
 65 60 65
 65 75
 320 315 275

WEDNESDAY 3.

Left for Richards
 Wagon & Horse
 bundles of Rope
 1 mark

Paid Heagy & Phuff
 25- dollar for Hay
 on Trade on Miller Per

2890
 2952
 2920
 2962
 2953
 2920
 2933

Nov 3 1880

NOVEMBER,

Hay Load

on Train
 70-90
 70 75
 70 85
 73-70
 65-70
 65-70
 65-70

Grand 75-70
 Total 75-70
 2203 70-70
 3110 75-70
 2090 65-70
 1952 65-70
 2670 425-70
 1335
 920

14200 70-70
 80-70
 85-70
 70-70
 75-70
 380

70-70
 70 65
 65-70
 70-70
 75 70
 70-70
 420

2. 1880.

Trains
~~50-60-70-70~~
~~70-60-65~~
~~80-80-70~~
~~60-75-65~~
~~-60-60-85~~
~~0 70-70-65~~
~~410 410 420~~
2970

920

3. 1880.

Phufl
Hay
Mer

Phufl
Hay
Mer

Mon 3d 1881
 NOVEMBER, THURSDAY 4. 1880.

Hay loaded
Trains
~~70-90-65-80-65-80~~
~~70 75-75-75-70 95~~
~~70 85-75-70-55 75~~
~~73-70-75-70-75-80~~
~~65-70-80~~
~~4545 350 365 360 340 400~~

Grand
~~75-70-75-85-85-65-70~~
~~75-85-70-85-80 70 85~~
~~2203 70-85-70-65-85-70 80~~
~~3110 75-65-70-75-65-80 80~~
~~2090 65-65-70-85 70 80 75~~
~~1952 65-90 90 65 85 75 60~~
~~2270 415 460 485 420 470 440 410~~
~~4335 2110 3110~~

FRIDAY 5.
~~70-70-65-75-70-65~~
~~80-65-70-80 65-70~~
~~85 70 75 70 60 85~~
~~70 70 80 65 60 70~~
~~75 60 65 80 60 60~~
~~380 330 315 360 315 380~~
~~2090~~

~~70-75-70-60-70-55-65~~
~~70 65 75 70 70 70 75~~
~~65-70-75-70-65-70 70~~
~~70-75-75-70 70 80 70~~
~~75 75 75 75 70 65 70~~
~~70-65-65 70 60 60 80~~
~~420 415 435 432 420 440 430~~
~~2952~~

NOVEMBER,

SATURDAY 6.

1880.

NOVEMBER,

Nov 7 1881
Hay loaded on Stant
for Jackson

75-	65-	65-	65-
75-	60	65-	80
80	70	45-	33
230	195	215	200
65-	60	55-	
75-	65-	60	
80	60	330	
450	380		
380			
530			
1360			

SUNDAY 7.

6. 1880.

my Stant

65-
80
5- 55
5- 200
5-5
60)
30

NOVEMBER,

MONDAY 8.

1880.

TUESDAY 9.

NOVEMBER, WEDNESDAY 10. 1880.

THURSDAY 11.

10.

1880.

NOVEMBER,

FRIDAY 12.

1880.

$$\begin{array}{r} 36 \\ 4 \\ \hline 144 \\ 1 \\ \hline 3 \\ 10 \\ \hline 159 \\ 10 \\ \hline 168 \end{array}$$

SATURDAY 13.

NOVEMBER,

SUNDAY 14.

1880.

MONDAY 15.

14.

1880.

NOVEMBER,

TUESDAY 16.

1880.

5.

WEDNESDAY 17.

NOVEMBER, THURSDAY 18.

1880.

Grune - 7706 ✓
 8119 ✓
 8636 ✓
 8550 ✓

 31011

FRIDAY 19.

Grune 1 - 112
 8 Ducks 921
 7 " 832
 8 " 967
 4 " 988
 8 " 928
 8 " 942
 8 " 976
 8 " 936
 1 " 112
 7 " 7906
 8 Ducks 935
 7 " 425
 6359

 4119

NOVEMBER,

7 Dag
 7
 8
 8
 8
 7
 7
 7

7
 7

7
 8
 8
 8
 8
 7
 7
 8
 8

7
 6
 8

Y 18. 1880.

06 ✓
19 ✓
36 ✓
50 ✓
11

m 1
NOVEMBER, SATURDAY 20.

1880.

7 Ducks	885
"	998
7 "	905
8 "	994
8 "	969
8 "	986
7 "	895
7 "	908
7 "	970
1 "	135
	8636

7 Ducks	888
7 "	882
7 "	899

1 - 112
921
832
967
988
928
942
970
936
113
7906
935
425
6359
8119

7	SUNDAY 21.	899
8 "		978
8 "		988
8 "		987
8 "		969
7 "		833
7 "		228
8	855	958
8	955	
7	880	
6	946	
8	753	
8	922	
8	945	
	6359	

NOVEMBER,

MONDAY 22.

1880.

Nov 20th
 Berry Davis
 lost 3/4 factor
 17 1/2
 Dr Lubach 11.35-
 10.00
 1.35-
 Dr G. Bourne 1.35-
1.35

Settled in full
 111

TUESDAY 23.

make affidavit for
 Concho Life

NOVEMBER,

W

Dr. Davis
 Dr. Davis

Dr. Davis
 Dr. Davis

Dr. Davis
 Dr. Davis

Dr. Davis
 Dr. Davis

Dr. Davis
 Dr. Davis

Dr. Davis
 Dr. Davis

Dr. Davis
 Dr. Davis

1880.

NOVEMBER, WEDNESDAY 24.

1880.

Signed & witnessed 22 Nov
 Dick Richards

11.35-	to Glover	2.50	✓
10.00	to Courad for Lob	.40	✓
135-	to Cash	5.00	✓
135-	to Beck's Bin	3.50	✓
		11.40	
	to Cash	14.60	
		\$26.00	

Jan 1st to 13 Labor
 39 days \$26.00
 Paid during week for all day
 \$26.00 to date

THURSDAY 25.

200

NOVEMBER,

FRIDAY 26.

1880.

NOVEMBER,

SATURDAY 27.

26.

1880.

NOVEMBER,

SUNDAY 28.

1880.

27.

MONDAY 29.

1880.

NOVEMBER, TUESDAY 30. 1880.

DECEMBER, T

DECEMBER, WEDNESDAY 1.

30.

1880.

DECEMBER,

THURSDAY 2.

1880.

1.

FRIDAY 3.

DECEMBER, SATURDAY 4. 1880.

H Hoagland
 To Cash 4860
 Under 140
 Under 150
 53,50

2nd City Bank 53,50

Settling full to date

40
 950
 11
 266
 400
 450
 266
 710

SUNDAY 5.

DECEMBER,

Bull City
H Hoagland
 To Cash
 Under
 Under
 10 of

Dec 4
 2 m
 " 13" Di

Settled

Silver

Y 4. 1880.

DECEMBER, MONDAY 6. 1880.

4860
140
450
5350
to date
4500
260
710

Bull Gift Hand
H. Douglass Dr
To Cash 4860
Wm. Bourd 40
R. J. not returned 710
\$56.10

Dec 4 By Labor
2 m / 11 days 4660
" B. Dick Richards 950
\$56.10

Sittled in full to date

TUESDAY 7. no 2
Delivered 3500000

27
21
21
6
62/3
3
200
1800

DECEMBER, WEDNESDAY 8.

1880.

See about Mrs
Wassley things at
Robinson & Bmt.
1 Bm
1 Bm
1 Bm
1 Bm
J. C. G. acure
L. J. B.

DECEMBER,

H E
 L E
 Recon
 Hays - one
 from

Delivered
Heon
day 7
East
for 1

THURSDAY 9.

$$\begin{array}{r} 1 \\ 1 \\ \hline 5 \end{array}$$

2-6

66 2/3

20 200
950
53.50
2150
9000
6
481

AY 8. 1880.

DECEMBER,

FRIDAY 10.

1880.

7mo
things at
out

H E Conrad
to 4 night
Reconz to Eastland 895-
to night-on, flour
from Eastland 147 1/3

Dollars 3095000
flour to Conrad this
day flight from
Eastland to 47 1/2
per hundred

SATURDAY 11.

9.

6 6 1/3
400

50
50
350
49000
481

DECEMBER,

SUNDAY 12.

1880.

DECEMBER,

Tu

MONDAY 13.

12.

1880.

DECEMBER,

TUESDAY 14.

1880.

13.

WEDNESDAY 15.

DECEMBER,

THURSDAY 16.

1880.

12.45

DECEMBER,

my Comm

Thomas

to Geo

To Con

1 Ps

Elyah

Jan 1881

for B. La

27 d

transfer

Hay

FRIDAY 17.

Frederic Williams
Jan 1881 to Am brook 2895

" " " " 2170

" " " " 50.65

Jan 1881 b. B. Lator
for Oct 15 b. Lator 1881
@ 20 d. for m 50.65

Selled in full for all Labor
up to Jan 1 1881

Greene

Dec 30

Corr to

for 22 1/2

" " " "

" " " "

22

Chas

del to

Jan 3

Jan 1881

Conrad

16. 1880.

DECEMBER, SATURDAY 18. 1880.

Commenced Dec 6/80
 Thomas Hedricks
 To George from Beck 300
 To Conrad Bell 1100
 1 pr S. S. S. 175
 Elmer Carles 600
 Jan 1881 \$21.75
 For By Labor
 27 days 1800
 Transferred to 3.75
 Hay Camp etc 3.75

17. SUNDAY 19.

Greene Williams
 Dec 30 Buckets Bell 175
 corr to Conrad 50
 Jan 2 1 pr Gloves 250
 " " Slicker 300
 " " Tobacco 50
 22 Cash 100
 Chas Fowler 150
 Feb 10 20
 Jan 3 Cash 100
 Jan make Conrad 1700
 Conrad W. W. 2895

DECEMBER,

MONDAY 20.

1880.

Hand in at as Camp
Thomas Hedrick

To mules as per Bill	12 45
Bre ann form old y/c	3 75
For B. & L. to wash	4 00
For Libe Johnson	5 00
For 2 doz Apples & 1 doz Pinks	6 0
For 1 doz grade mules	5 00
For 1 doz	6 60
For 3 By Leabon	6 80
For Camp Leabon's River	6 80
Balance due Hedrick	1 20

TUESDAY 21.

DECEMBER,

Hand in at
Solomon

To mules
Solomon
Shu
M

To 6 u
3 + 12
6 + 12
3 + 12

Selled in
in H. a. 7

Saw a
our
before

Y 20.

1880.

camp
 12 45-
 3.75-
 14.00-
 5.00-
 60
 5.40
 \$66.80
 6.80
 \$1.20

DECEMBER, WEDNESDAY 22.

1880.

Hired in Hay Equip Colorado River
 Solomon Robinson

To Moleys Bell 12.65-
 gloves 2.00
 shirt 1.00
 mace 70

To Buck 16.35-
 31.65-
 3 + 12 dgs \$68.00

6 + 12 Labor
 37 m + 12 dgs \$68.00

Settled in full for work
 in Hay Camp

21.

THURSDAY 23.

See about shaming
 our Lacey paid
 before March /81

DECEMBER, 22 FRIDAY 24.

1880.

July 1881

low camp	50	186.0
To Bull Grain		
for 150 lbs		
200 lbs		6.00
13 Cuffs		5.50
200 Flour		9.00
100 Hens		3.0

July
Greenie Williams
- more from Luiding 150

3.00

July 1881

SATURDAY 25.

Hay Camp 20 150.50
To Bull Grain

200 sacks corn.

45 Bush @ 190

85.50

freight to Monahan 14.50

65.00

70.50
85.50

Bull Grain 20

To 2 String Horse - Pony dead 11.00

DECEMBER,

March

Hay 20

To 13

light to 6

7 1/2

20 Grain

24. 1880.

DECEMBER,

SUNDAY 26.

1880.

March 1st 1881

Hay camp Dr

To Bull Train

light to O Donels 20.00

J H Bozeman Dr

To Train ft from Huffer 3.00

1880
150

25.

MONDAY 27.

150.50

190 85.50
145 65.00
55
60
155

11.00

DECEMBER, TUESDAY 28.

1880.

DECEMBER,

37.20

37.80

34.10

37.00

36.40

62.80

41.80

WEDNESDAY 29.

9

28.

1880.

DECEMBER,

THURSDAY 30.

1880.

57.20 +

37.80 +

C

34.10

57.00

30.40

62.80

41.80

29.

FRIDAY 31.

9

Jan 1880 MEMORANDA. Inventory
of things at Ranch

4 Sacks Bacon
10 hundred Flour
70 lbs Meal
1 Box Ammunition
Mess Wagon outfit
110 Bushels Corn
1 case Hair Rope
1 Box Rope 40 lbs
1 case Sundries
Paint Material
14 Box axle Grease
3 doz Boats
2 Deer Skin

4 New plates (Gutierrez)
7 " Pans (" ")
1 " Cup (" ")
9 1/2 Bbls Salt
1 Molaring Bbl
2-10 pail Kettles
1/2 Bbl Vinegar
2 Pitch Forks
Sythe & Smith
1 Tent
Sausage machine
1 Hoe
2 doz Craples Outfitted
Rope

Hide
1-3 Inch
1 Tent
Sundries
2 Shoes
4 Bull
2 Yokes
to the
1 Adz
2 Axes
7 Ramps
2 Train
Old Mo
" H

part of the
5 Bu
1 Gun
15 Duck
part of the
49 He
390 "
1 Long
358 ac
1000 Po
1 Sack
2 Duck

Inventory
- Ranch

MEMORANDA.

Hide Roison

1-3 Inch Horse Wagon

1 Tent stove

Drum Hunting fixture ^{50 cal}

2 Shocks Rifles ^{50 cal}

4 Bull Wagon

car yokes & chains belonging
to the Bull Train

1 Adz

2 Axes

7 Ranch Horses

3 Train "

Old Mule & Colt

" Horse

part of things in Gaffin

5 Bull Wagon

1 Train Horse

15 Sacks Corn

part of things at Ranch out-

49 Head Oxen

390 " 3 Cattle

1 Long Iron Cauldron

35 Sacks Corn

100 lbs Powder

1 Sack Bran

2 Sacks Horse feed

MEMORANDA.

born a/c 1879 & of 80
 Stock corn on hand
 Red River Corn 460 bushels
 Old corn on hand 75
 Bushels of corn on hand 535

Have seed as follows
 L. W. Snyder 55 6 4/100
 " F. E. Leavick
 " L. O. Lamb
 " B. C. Cuffit

Jan 13/88
 Thorpe & Co.
 To Courad for cash 37.20
 Full amount of Bill
 to date Jan 5/88
 For B. C. Cuffit
 8.90 of this bill paid him in
 cash for same return the
 amount for B. C. Cuffit
 & B. C. Cuffit & Co. Bill
 each of June 4th & 11th 88

Hay
 July 20
 Dec " Ant
 Jan " L

DA.

of 80

460 bushels

75) Richard 5-35

long 586 1/4 1/2

37.20

of Bill 5-4-1881

Bill

and him in

trans the

by Sam Culp

+ Cr. Bill

4-11-80

MEMORANDA.

Hay Camp at R R

July 2^d Corn (cash) 10.00

Dec " Amos paid Robinson 68.00

Jan " Geo Hedrick 68.00

MEMORANDA.

1881
Jan 7²¹
To Bucky Chick \$83.80

Green William
1 comb

March 1881
To Colwell

Jan	Morse	Conrad	11.00
"	"	Snyder	1.00
May	"	O'Donoghue	6.00
			18.00

~~Mich By Leabon 37.34~~

Mich In Legash 21.34
18

Mich By 1.34
Leabon 37 days 39.34

Jan 4
Paid
thin b
work
paid ch
twice
\$8.90
amt

Mich

Sold Mr
21 Bal
weight

around on his

DA.

MEMORANDA.

Jan 4 1881

~~Paid~~ ~~Dr. J. B. B.~~

Paid Shop & CV

this bill of Blacksmith
work amounting to \$7.20

paid the following amt
twice paid first June 4/80

\$8.90. See that this
amt is credited

March 30/81

Sold Mr. Murrill

21 Bales Hay

weight 15,400 @ 17 1/2¢ 19,25

Amount on his wagon Paid

ads 11.00
ins 1.00
els 6.00
18.00

21.34
39.34
39.34

MEMORANDA.

Earnings & Expenses of Train
from June 1/88 to Jan 8/81

Expt. Bgt to Concho	327 25
" " Work for board	6 03 70
Sawdust	74 55
Snyder ⁹⁸²⁸⁰ ₂₆₀₈₀	72 93
Governments -	6 92 30

\$17,707 3

Expenses
for labor & supplies 14 89 61

Freight for rails \$681, 12
100 00
\$781, 12

Post-Hay
To Surpauca
" " "
" Labor 3
" 4 men
Stacking
Moles used
" Yegs & R
" Myers b

Expt. Cash
" Chas
Hoflin
boura
Wray

Biden To R
\$ 10
Alev 37

MEMORANDA.

of Train
and 8/81

327 25

603 70

7455

72 93

6.9230

\$17.7073

1489.11

\$6.81.12

100.00

781.12

Post-Hay of J Dr
to Aurpaid Yager & Phl 208.50
" " " Walfron 19.40
" Lator 2 1/2 months Each
to 4 men @ 20 186.67
Stacking 8.00
Moles under train 10472 150.00
Yager & Phl 52.00
Yagers bin Rope 21.60
646.17

contra

for By Cash 952.80
" Chapin 52.50
Hofley 38.92
bourac 33.75
Wray 20.92

\$1098.89

Balance for Profit - Loss \$452.92

\$1098.89 \$1098.89

Also 3% for our use