

1896

C. S. S. Myers  
H. Paul  
Roxbury, Mass.



1896  
C. 30.3 *Agard*  
St. Paul.  
Rodford Clayland



St. Louis

C

Hack.	125	
Fare to St. Louis	8.60	
Supper	.50	
Care fare - 1 day	.40	
Room	3.00	
Board	4.00	
Fare to Keokuk	5.00	
Hotel at "	1.50	
Hack	25	24.50
Hotel. Iowa City	8.60	

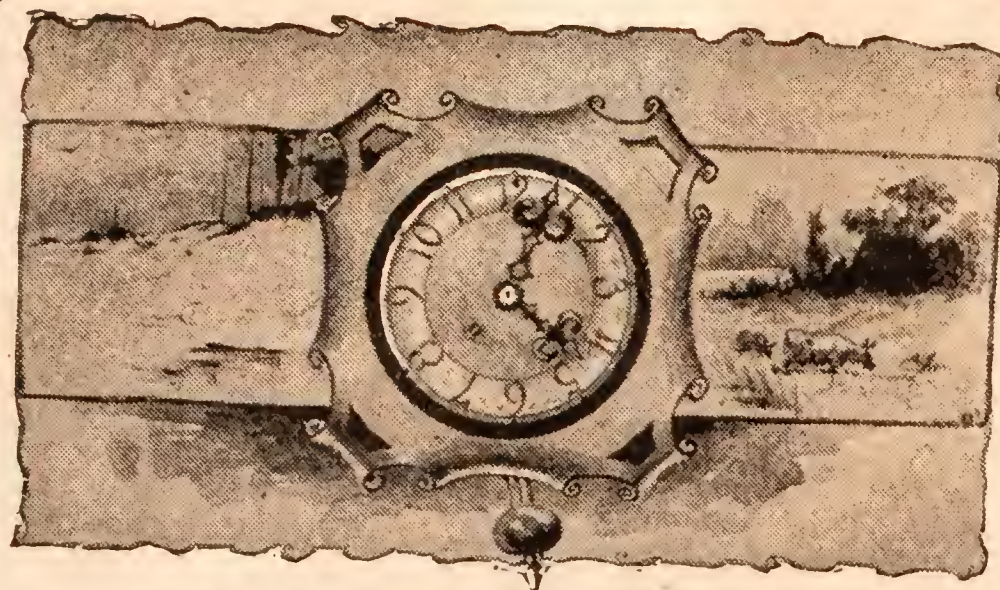


EXCELSIOR  
DIARY



1896



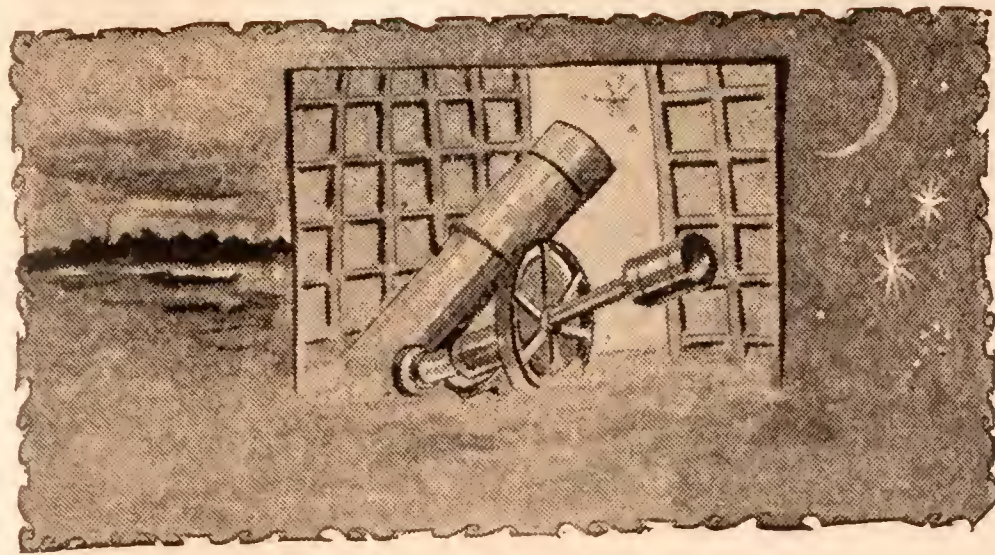


CALENDAR FOR 1896.

1896.						
JAN'Y.	FEB'Y.	MARCH.	APRIL.	MAY.	JUNE.	SUN. MON. TUES. WED. THUR. FRI. SAT.
5	2	1	5	3	7	1
6	3	2	6	4	8	2
7	4	3	7	5	9	3
8	5	4	8	6	10	4
9	6	5	9	7	11	5
10	7	6	10	8	12	6
11	8	7	11	9	13	7
12	9	8	12	10	14	8
13	10	9	13	11	15	9
14	11	10	14	12	16	10
15	12	11	15	13	17	11
16	13	12	16	14	18	12
17	14	13	17	15	19	13
18	15	14	18	16	20	14
19	16	15	19	17	21	15
20	17	16	20	18	22	16
21	18	17	21	19	23	17
22	19	18	22	20	24	18
23	20	19	23	21	25	19
24	21	20	24	22	26	20
25	22	21	25	23	27	21
26	23	22	26	24	28	22
27	24	23	27	25	29	23
28	25	24	28	26	30	24
29	26	25	29	27	31	25
30	27	26	30	28		26
31	28	27		29		27
	29	28		30		28
	30	29		31		29
	31	30				30
						31

1896.						
JULY.	AUGUST.	SEPT'R.	OCT'R.	NOV'R.	DECR.	SUN. MON. TUES. WED. THUR. FRI. SAT.
5	2	6	4	1	6	1
6	3	7	5	2	7	2
7	4	8	6	3	8	3
8	5	9	7	4	9	4
9	6	10	8	5	10	5
10	7	11	9	6	11	6
11	8	12	10	7	12	7
12	9	13	11	8	13	8
13	10	14	12	9	14	9
14	11	15	13	10	15	10
15	12	16	14	11	16	11
16	13	17	15	12	17	12
17	14	18	16	13	18	13
18	15	19	17	14	19	14
19	16	20	18	15	20	15
20	17	21	19	16	21	16
21	18	22	20	17	22	17
22	19	23	21	18	23	18
23	20	24	22	19	24	19
24	21	25	23	20	25	20
25	22	26	24	21	26	21
26	23	27	25	22	27	22
27	24	28	26	23	28	23
28	25	29	27	24	29	24
29	26	30	28	25	30	25
30	27		29	26	31	26
31	28		30	27		27
	29			28		28
	30			29		29
	31			30		30
				31		31



ECLIPSES, 1896.

There will be four Eclipses this year, two each of the Sun and Moon, as follows:

I. An Annular Eclipse of the Sun, Feb. 13, invisible in the United States; visible in Africa, South America and the Southern Atlantic Ocean.

II. A Partial Eclipse of the Moon, Feb. 28, invisible in America.

III. A Total Eclipse of the Sun, Aug. 9, visible in North Asia, Europe, British America, Greenland and Alaska.

IV. A Partial Eclipse of the Moon, Aug. 23, visible throughout North and South America. Size 8.8 digits.

	Begins.		Middle.		Ends.	
	H. M.		H. M.		H. M.	
Boston .....	0	40 mo.	2	13 mo.	3	46 mo.
New-York .....	0	28 mo.	2	1 mo.	3	34 mo.
Washington .....	0	16 mo.	1	49 mo.	3	22 mo.

MORNING AND EVENING STARS.

[NOTE.—An Evening Star rises before midnight; a Morning Star rises after midnight, geocentrically.]

VENUS, morn., until July 9; ev., after July 9. MARS, morn., until Sept. 1; ev., after Sept. 1. JUPITER, morn., from Aug. 12 to Nov. 30; ev., until Aug. 12 and after Nov. 30. SATURN, morn., until Feb. 7 and after Nov. 13; ev., from Feb. 7 to Nov. 13.

PLANETS BRIGHTEST.

MERCURY, January 25, April 25, *September 22*, and December 31, setting just after the sun in the evening twilight; also *February 29*, July 24, and *October 22*, rising in the morning twilight (the italicized dates are the most favorable).

VENUS, not this year; but will be pretty bright at the beginning and close of the year.

MARS, December 11. JUPITER, January 24. SATURN, May 5. URANUS, May 12. NEPTUNE, December 10.

MOVABLE FESTIVALS.

Septuagesima Sun...Feb. 2	Easter Sunday..... Apr. 5
Sexagesima " " " 9	Low Sunday..... " 12
Quinquagesima " " " 16	Rogation Sunday...May 10
Shrove Tuesday..... " 18	Ascension Thursday. " 14
Ash Wednesday..... " 19	Whit-Sunday (Pent.). " 24
Quadragesima Sun... " 23	Trinity Sunday..... " 31
Palm Sunday.....Mar. 29	Corpus Christi.....June 4
Good Friday.....Apr. 3	Advent Sunday.....Nov. 29

CHRONOLOGICAL CYCLES.

Dominical Letters..... ED	Roman Indiction..... 9
Epact..... 15	Julian Period.....6609
Golden Number..... 16	Dionysian Period..... 225
Solar Cycle..... 1	Jewish Lunar Cycle..... 13





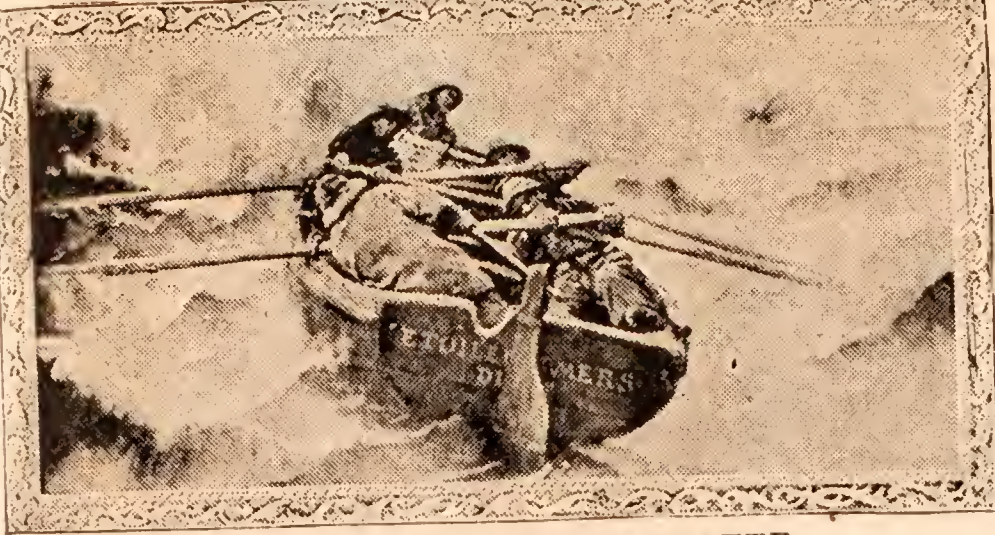
BOARDING SCHOOL ON THE ICE.—HANS DAHL.

❖ JANUARY ❖ 1896 ❖

MOON'S PHASES.	EASTERN TIME.	CENTRAL TIME.
Last Quarter .. 7 D.	10 H. 25 M. mo.	9 H. 25 M. mo.
New Moon ....14 D.	5 H. 19 M. ev.	4 H. 19 M. ev.
First Quarter..22 D.	9 H. 42 M. ev.	8 H. 42 M. ev.
Full Moon ....30 D.	3 H. 55 M. mo.	2 H. 55 M. mo.

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., and Ill. MEAN TIME.				D.	OF	MO.	D.	OF	WK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon. MEAN TIME.			
Sun rises	Sun sets	Moon rises	H. W. N. Y.	D.	OF	MO.	D.	OF	WK.	Sun rises	Sun sets	Moon rises	H. W. Bost'n
7 25	4 43	5 40	8 45	1			1		W.	7 30	4 38	5 35	12 0
7 25	4 44	6 58	9 36	2			2		Th.	7 30	4 39	6 53	ev. 50
7 25	4 45	8 14	10 23	3			3		Fr.	7 30	4 40	8 11	1 49
7 25	4 46	9 28	11 9	4			4		Sa.	7 30	4 41	9 27	2 26
7 25	4 47	10 40	11 57	5			5		S.	7 30	4 42	10 40	3 12
7 25	4 48	11 53	ev. 46	6			6		M.	7 29	4 43	11 54	3 59
7 25	4 49	morn.	1 39	7			7		Tu.	7 29	4 44	morn.	4 52
7 24	4 50	1 6	2 35	8			8		W.	7 29	4 45	1 9	5 58
7 24	4 51	2 17	3 36	9			9		Th.	7 29	4 46	2 21	7 2
7 24	4 52	3 32	4 40	10			10		Fr.	7 29	4 47	3 37	8 3
7 24	4 53	4 43	5 45	11			11		Sa.	7 29	4 48	4 49	9 0
7 23	4 54	5 49	6 44	12			12		S.	7 28	4 50	5 56	9 58
7 23	4 55	6 44	7 38	13			13		M.	7 28	4 51	6 51	10 54
7 23	4 56	sets	8 21	14			14		Tu.	7 28	4 52	sets	11 39
7 22	4 57	5 48	9 7	15			15		W.	7 27	4 53	5 43	morn.
7 22	4 59	6 53	9 46	16			16		Th.	7 27	4 54	6 50	21
7 21	5 0	7 57	10 24	17			17		Fr.	7 26	4 55	7 55	1 0
7 21	5 1	8 56	10 56	18			18		Sa.	7 26	4 56	8 55	1 39
7 21	5 2	9 56	11 33	19			19		S.	7 25	4 58	9 56	2 14
7 20	5 3	10 55	morn.	20			20		M.	7 24	4 59	10 54	2 49
7 19	5 4	11 55	11	21			21		Tu.	7 24	5 0	11 58	3 26
7 18	5 5	morn.	52	22			22		W.	7 23	5 1	morn.	4 5
7 17	5 7	58	1 39	23			23		Th.	7 22	5 3	1 1	4 52
7 17	5 8	2 1	2 31	24			24		Fr.	7 22	5 4	2 6	5 45
7 16	5 9	3 5	3 29	25			25		Sa.	7 21	5 5	3 11	6 43
7 16	5 10	4 12	4 34	26			26		S.	7 20	5 6	4 18	7 49
7 15	5 11	5 13	5 39	27			27		M.	7 19	5 8	5 20	8 54
7 14	5 13	6 0	6 42	28			28		Tu.	7 18	5 9	6 6	9 56
7 13	5 14	rises	7 37	29			29		W.	7 17	5 10	rises	11 4
7 12	5 15	5 51	8 27	30			30		Th.	7 16	5 12	5 47	11 45
7 12	5 16	7 9	9 18	31			31		Fr.	7 15	5 13	7 7	ev. 31

Heavy figures, 12 noon to 12 midnight.



THE DEPARTURE.—HAQUETTE.

❖ FEBRUARY ❖ 1896 ❖

MOON'S PHASES.	EASTERN TIME.	CENTRAL TIME.
Last Quarter .. 5 D.	7 H. 38 M. ev.	6 H. 38 M. ev.
New Moon ....13 D.	11 H. 12 M. mo.	10 H. 12 M. mo.
First Quarter..21 D.	4 H. 14 M. ev.	3 H. 14 M. ev.
Full Moon ....28 D.	2 H. 50 M. ev.	1 H. 50 M. ev.

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., and Ill. MEAN TIME.				D.	OF	MO.	D.	OF	WK.	Boston, New England, New-York, Mich., Wis., Iowa, and Oregon. MEAN TIME.			
Sun rises	Sun sets	Moon rises	H. W. N. Y.	D.	OF	MO.	D.	OF	WK.	Sun rises	Sun sets	Moon rises	H. W. Bost'n
7 11	5 18	8 25	9 58	1			1		Sa.	7 14	5 14	8 25	1 16
7 10	5 19	9 39	10 39	2			2		S.	7 13	5 15	9 40	2 2
7 9	5 20	10 54	11 28	3			3		M.	7 12	5 16	10 57	2 46
7 7	5 21	morn.	ev. 18	4			4		Tu.	7 11	5 18	morn.	3 32
7 6	5 22	9	1 13	5			5		W.	7 10	5 19	13	4 26
7 5	5 23	1 24	2 14	6			6		Th.	7 9	5 21	1 29	5 28
7 4	5 25	2 37	3 22	7			7		Fr.	7 8	5 22	2 43	6 36
7 3	5 26	3 44	4 28	8			8		Sa.	7 6	5 23	3 51	7 43
7 2	5 27	4 41	5 33	9			9		S.	7 5	5 24	4 48	8 48
7 1	5 28	5 28	6 31	10			10		M.	7 4	5 25	5 35	9 45
7 0	5 30	6 7	7 19	11			11		Tu.	7 2	5 26	6 12	10 34
6 58	5 31	6 36	7 59	12			12		W.	7 1	5 28	6 40	11 17
6 57	5 32	sets	8 37	13			13		Th.	7 0	5 29	sets	11 54
6 56	5 34	6 47	9 14	14			14		Fr.	6 59	5 30	6 46	morn.
6 55	5 35	7 48	9 46	15			15		Sa.	6 57	5 32	7 47	27
6 53	5 36	8 45	10 20	16			16		S.	6 56	5 33	8 46	1 0
6 52	5 37	9 45	10 51	17			17		M.	6 54	5 35	9 47	1 35
6 51	5 39	10 45	11 29	18			18		Tu.	6 53	5 36	10 48	2 9
6 49	5 40	11 47	morn.	19			19		W.	6 52	5 38	11 52	2 47
6 48	5 41	morn.	11	20			20		Th.	6 50	5 39	morn.	3 27
6 46	5 43	51	1 0	21			21		Fr.	6 48	5 40	57	4 13
6 45	5 44	1 55	1 56	22			22		Sa.	6 47	5 42	2 2	5 10
6 44	5 45	2 58	3 0	23			23		S.	6 45	5 43	3 5	6 14
6 42	5 46	3 55	4 10	24			24		M.	6 44	5 45	4 2	7 25
6 41	5 48	4 44	5 19	25			25		Tu.	6 42	5 46	4 50	8 34
6 39	5 49	5 24	6 23	26			26		W.	6 41	5 47	5 30	9 37
6 38	5 50	5 59	7 17	27			27		Th.	6 39	5 49	6 2	10 32
6 37	5 51	rises	8 3	28			28		Fr.	6 38	5 50	rises	11 20
6 36	5 52	7 14	8 50	29			29		Sa.	6 37	5 51	7 15	ev. 5





AFTER A GOOD HAUL.—TH. WEBER.

❖ MARCH ❖ 1896 ❖

MOON'S PHASES.	EASTERN TIME.	CENTRAL TIME.
Last Quarter .. 6 D.	6 H. 29 M. mo.	5 H. 29 M. mo.
New Moon ....14 D.	5 H. 48 M. mo.	4 H. 48 M. mo.
First Quarter..22 D.	6 H. 57 M. mo.	5 H. 57 M. mo.
Full Moon ....29 D.	0 H. 21 M. mo.	11 H. 21 M. ev.

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., and Ill.  
MEAN TIME.

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

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.  
MEAN TIME.

Sun rises	Sun sets	Moon rises	H. W. Bost'n
6 36	5 51	8 35	ev. 48
6 35	5 52	9 55	1 34
6 33	5 53	11 13	2 20
6 31	5 54	morn.	3 11
6 30	5 55	31	4 7
6 28	5 56	1 41	5 12
6 26	5 57	2 44	6 22
6 25	5 58	3 34	7 27
6 23	5 59	4 14	8 29
6 21	6 0	4 44	9 20
6 20	6 2	5 8	10 4
6 18	6 3	5 29	10 45
6 16	6 4	5 47	11 18
6 14	6 5	sets	11 53
6 13	6 6	6 6	morn.
6 11	6 7	7 39	24
6 9	6 9	8 40	1 0
6 7	6 10	9 43	1 36
6 6	6 11	10 47	2 16
6 4	6 12	11 51	2 59
6 2	6 13	morn.	3 50
6 0	6 14	55	4 50
5 59	6 15	1 50	5 54
5 57	6 16	2 42	7 5
5 55	6 17	3 24	8 12
5 53	6 18	3 59	9 11
5 52	6 19	4 28	10 4
5 50	6 20	4 54	10 54
5 48	6 21	5 14	11 37
5 46	6 22	rises	ev. 21
5 44	6 23	8 45	1 11



A SHOWER.—J. SCALBERT.

❖ APRIL ❖ 1896 ❖

MOON'S PHASES.	EASTERN TIME.	CENTRAL TIME.
Last Quarter .. 4 D.	7 H. 24 M. ev.	6 H. 24 M. ev.
New Moon ....12 D.	11 H. 23 M. ev.	10 H. 23 M. ev.
First Quarter..20 D.	5 H. 47 M. ev.	4 H. 47 M. ev.
Full Moon ....27 D.	8 H. 47 M. mo.	7 H. 47 M. mo.

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., and Ill.  
MEAN TIME.

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

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.  
MEAN TIME.

Sun rises	Sun sets	Moon rises	H. W. Bost'n
5 43	6 25	11 24	2 2
5 41	6 27	morn.	2 55
5 40	6 28	33	3 53
5 38	6 29	1 29	4 56
5 36	6 30	2 13	6 1
5 35	6 31	2 46	7 1
5 33	6 32	3 13	7 55
5 31	6 33	3 34	8 44
5 30	6 34	3 54	9 25
5 28	6 36	4 11	10 4
5 26	6 37	4 29	10 42
5 25	6 38	sets	11 18
5 23	6 39	7 36	11 53
5 21	6 40	8 40	morn.
5 20	6 41	9 44	30
5 18	6 42	10 46	1 11
5 16	6 43	11 46	1 55
5 15	6 45	morn.	2 44
5 13	6 46	38	3 35
5 12	6 47	1 21	4 34
5 10	6 48	1 58	5 36
5 9	6 49	2 32	6 41
5 7	6 50	2 55	7 42
5 6	6 51	3 18	8 41
5 5	6 52	3 41	9 33
5 3	6 53	4 5	10 24
5 1	6 55	rises	11 13
5 0	6 56	8 59	ev. 1
4 58	6 57	10 13	53
4 57	6 58	11 18	1 47





A PEGGED DOWN FISHING MATCH.—W. DENBY SADLER.

❖ MAY ❖ 1896 ❖

MOON'S PHASES.	EASTERN TIME.	CENTRAL TIME.
Last Quarter .. 4 D.	10 H. 25 M. mo.	9 H. 25 M. mo.
New Moon ....12 D.	2 H. 46 M. ev.	1 H. 46 M. ev.
First Quarter..20 D.	1 H. 21 M. mo.	0 H. 21 M. mo.
Full Moon ....26 D.	4 H. 56 M. ev.	3 H. 56 M. ev.

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., and Ill.  
MEAN TIME.

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.  
MEAN TIME.

Sun rises	Sun sets	Moon rises	H. W. N. Y.	D.	OF MO.	D.	OF WK.	Sun rises	Sun sets	Moon rises	H. W. Bost'n
4 59	6 56	12 0	11 24	1	1	Fr.	4 56	7 0	morn.	2 42	
4 58	6 57	morn.	ev. 21	2	2	Sa.	4 54	7 1	6	3 35	
4 56	6 58	40	1 17	3	3	S.	4 53	7 2	46	4 30	
4 55	6 59	1 10	2 12	4	4	M.	4 52	7 3	1 15	5 36	
4 54	7 0	1 37	3 6	5	5	Tu.	4 51	7 4	1 40	6 20	
4 53	7 1	1 58	3 47	6	6	W.	4 49	7 5	2 0	7 8	
4 52	7 2	2 16	4 40	7	7	Th.	4 48	7 6	2 17	7 55	
4 51	7 3	2 36	5 26	8	8	Fr.	4 47	7 7	2 36	8 41	
4 49	7 4	2 56	6 8	9	9	Sa.	4 46	7 8	2 54	9 22	
4 48	7 5	3 16	6 49	10	10	S.	4 44	7 9	3 13	10 3	
4 47	7 6	3 40	7 29	11	11	M.	4 43	7 10	3 36	10 45	
4 46	7 7	sets	8 8	12	12	Tu.	4 42	7 11	sets	11 25	
4 45	7 8	8 31	8 53	13	13	W.	4 41	7 12	8 38	morn.	
4 44	7 9	9 33	9 39	14	14	Th.	4 40	7 13	9 40	8	
4 43	7 10	10 28	10 25	15	15	Fr.	4 39	7 14	10 34	53	
4 42	7 11	11 11	11 15	16	16	Sa.	4 38	7 15	11 21	1 41	
4 41	7 12	11 55	morn.	17	17	S.	4 37	7 16	11 59	2 32	
4 40	7 13	morn.	8	18	18	M.	4 36	7 17	morn.	3 23	
4 39	7 14	27	1 4	19	19	Tu.	4 35	7 18	31	4 17	
4 39	7 15	54	1 58	20	20	W.	4 34	7 19	56	5 12	
4 38	7 16	1 20	2 56	21	21	Th.	4 33	7 20	1 22	6 10	
4 37	7 17	1 43	3 53	22	22	Fr.	4 32	7 21	1 43	7 8	
4 36	7 18	2 7	4 52	23	23	Sa.	4 31	7 22	2 6	8 8	
4 36	7 19	2 35	5 50	24	24	S.	4 31	7 23	2 32	9 5	
4 35	7 20	3 2	6 45	25	25	M.	4 30	7 24	2 57	9 59	
4 34	7 20	rises	7 38	26	26	Tu.	4 29	7 25	rises	10 55	
4 34	7 21	8 51	8 30	27	27	W.	4 29	7 26	8 58	11 47	
4 33	7 22	9 49	9 26	28	28	Th.	4 28	7 27	9 56	ev. 40	
4 32	7 23	10 33	10 17	29	29	Fr.	4 27	7 28	10 40	1 32	
4 32	7 23	11 9	11 5	30	30	Sa.	4 27	7 28	11 14	2 22	
4 31	7 24	11 36	11 57	31	31	S.	4 26	7 29	11 40	3 9	



A NORTH WIND, COAST OF NORWAY.—A. NORMANN.

❖ JUNE ❖ 1896 ❖

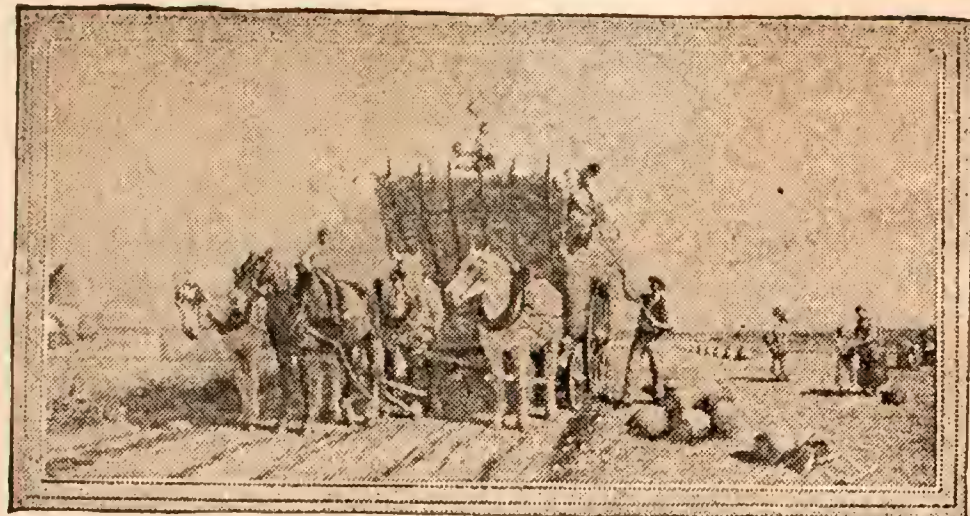
MOON'S PHASES.	EASTERN TIME.	CENTRAL TIME.
Last Quarter .. 3 D.	3 H. 2 M. mo.	2 H. 2 M. mo.
New Moon ....11 D.	3 H. 43 M. mo.	2 H. 43 M. mo.
First Quarter..18 D.	6 H. 40 M. mo.	5 H. 40 M. mo.
Full Moon ....25 D.	1 H. 55 M. mo.	0 H. 55 M. mo.

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., and Ill.  
MEAN TIME.

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.  
MEAN TIME.

Sun rises	Sun sets	Moon rises	H. W. N. Y.	D.	OF MO.	D.	OF WK.	Sun rises	Sun sets	Moon rises	H. W. Bost'n
4 31	7 24	12 0	ev. 40	1	1	M.	4 25	7 30	morn.	3 55	
4 30	7 25	morn.	1 28	2	2	Tu.	4 25	7 30	3	4 41	
4 30	7 26	20	2 14	3	3	W.	4 25	7 31	21	5 38	
4 30	7 26	39	2 59	4	4	Th.	4 24	7 32	39	6 13	
4 29	7 27	1 0	3 48	5	5	Fr.	4 24	7 32	59	7 3	
4 29	7 28	1 20	4 36	6	6	Sa.	4 24	7 33	1 17	7 51	
4 29	7 28	1 42	5 26	7	7	S.	4 23	7 33	1 39	8 41	
4 29	7 29	2 10	6 14	8	8	M.	4 23	7 34	2 6	9 28	
4 28	7 30	2 43	7 13	9	9	Tu.	4 23	7 35	2 38	10 17	
4 28	7 30	3 24	7 50	10	10	W.	4 23	7 36	3 17	11 7	
4 28	7 31	sets	8 36	11	11	Th.	4 22	7 36	sets	11 54	
4 28	7 31	9 11	9 27	12	12	Fr.	4 22	7 37	9 18	morn.	
4 28	7 32	9 54	10 14	13	13	Sa.	4 22	7 37	9 59	4 1	
4 28	7 32	10 29	11 0	14	14	S.	4 22	7 38	10 33	1 29	
4 28	7 32	10 59	11 49	15	15	M.	4 22	7 38	11 2	2 18	
4 28	7 33	11 24	morn.	16	16	Tu.	4 22	7 38	11 26	3 4	
4 28	7 33	11 46	38	17	17	W.	4 22	7 39	11 46	3 52	
4 28	7 33	morn.	1 29	18	18	Th.	4 22	7 39	morn.	4 42	
4 28	7 34	12	2 23	19	19	Fr.	4 22	7 39	11	5 37	
4 28	7 34	36	3 24	20	20	Sa.	4 23	7 40	33	6 38	
4 29	7 34	1 5	4 25	21	21	S.	4 23	7 40	1 1	7 40	
4 29	7 34	1 43	5 30	22	22	M.	4 23	7 40	1 37	8 45	
4 29	7 34	2 25	6 31	23	23	Tu.	4 23	7 40	2 19	9 45	
4 29	7 34	3 21	7 29	24	24	W.	4 23	7 40	3 17	10 45	
4 30	7 35	rises	8 19	25	25	Th.	4 24	7 41	rises	11 37	
4 30	7 35	9 6	9 12	26	26	Fr.	4 24	7 41	9 11	ev. 25	
4 30	7 35	9 37	9 59	27	27	Sa.	4 24	7 41	9 41	1 13	
4 30	7 35	10 2	10 37	28	28	S.	4 25	7 40	10 5	1 55	
4 31	7 35	10 23	11 17	29	29	M.	4 25	7 40	10 25	2 35	
4 32	7 35	10 42	11 59	30	30	Tu.	4 26	7 40	10 42	3 14	





END OF THE WHEAT HARVEST.—J. J. VEYRASSAT.

❖ JULY ❖ 1896 ❖

MOON'S PHASES.	EASTERN TIME.	CENTRAL TIME.
Last Quarter .. 2 D.	8 H. 23 M. ev.	7 H. 23 M. ev.
New Moon ....10 D.	2 H. 35 M. ev.	1 H. 35 M. ev.
First Quarter..17 D.	11 H. 4 M. mo.	10 H. 4 M. mo.
Full Moon ....24 D.	0 H. 45 M. ev.	11 H. 45 M. mo.

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., and Ill.  
MEAN TIME.

Sun rises	Sun sets	Moon rises	H. W. N. Y.	D. OF MO.	D. OF WK.	Sun rises	Sun sets	Moon rises	H. W. Bost'n
4 32	7 35	11 2	ev. 39	1	W.	4 26	7 40	11 2	3 55
4 32	7 35	11 22	1 23	2	Th.	4 26	7 40	11 20	4 36
4 33	7 34	11 44	2 5	3	Fr.	4 27	7 40	11 41	5 19
4 33	7 34	morn.	2 56	4	Sa.	4 28	7 40	morn.	6 10
4 34	7 34	9	3 49	5	S.	4 29	7 39	5	7 4
4 35	7 34	40	4 45	6	M.	4 29	7 39	35	8 0
4 35	7 33	1 16	5 44	7	Tu.	4 30	7 39	1 10	8 59
4 36	7 33	2 3	6 41	8	W.	4 30	7 38	1 57	9 55
4 37	7 33	3 0	7 35	9	Th.	4 31	7 38	2 53	10 51
4 37	7 32	sets	8 22	10	Fr.	4 32	7 38	sets	11 40
4 38	7 32	8 30	9 13	11	Sa.	4 33	7 37	8 34	morn.
4 39	7 31	9 1	9 59	12	S.	4 33	7 37	9 5	22
4 39	7 31	9 28	10 39	13	M.	4 34	7 36	9 30	1 13
4 40	7 30	9 52	11 23	14	Tu.	4 35	7 36	9 52	1 57
4 41	7 30	10 16	morn.	15	W.	4 36	7 35	10 15	2 41
4 42	7 29	10 41	11	16	Th.	4 37	7 34	10 39	3 26
4 43	7 29	11 7	1 3	17	Fr.	4 37	7 34	11 4	4 16
4 44	7 28	11 42	1 57	18	Sa.	4 38	7 33	11 36	5 11
4 44	7 27	morn.	3 0	19	S.	4 39	7 32	morn.	6 14
4 45	7 26	21	4 8	20	M.	4 40	7 31	14	7 23
4 46	7 26	1 11	5 17	21	Tu.	4 41	7 30	1 5	8 32
4 47	7 25	2 11	6 23	22	W.	4 42	7 30	2 4	9 37
4 48	7 24	3 17	7 18	23	Th.	4 43	7 29	3 11	10 33
4 48	7 23	rises	8 4	24	Fr.	4 44	7 28	rises	11 21
4 49	7 23	8 6	8 50	25	Sa.	4 45	7 27	8 9	ev. 5
4 50	7 22	8 26	9 31	26	S.	4 46	7 26	8 28	45
4 51	7 21	8 46	10 8	27	M.	4 47	7 25	8 47	1 22
4 52	7 20	9 7	10 40	28	Tu.	4 48	7 24	9 2	1 58
4 53	7 19	9 25	11 15	29	W.	4 49	7 23	9 24	2 33
4 54	7 18	9 45	11 54	30	Th.	4 50	7 22	9 42	3 9
4 55	7 17	10 9	ev. 35	31	Fr.	4 51	7 21	10 5	3 49



A DIFFICULT CHOICE.—HANS DAHL.

❖ AUGUST ❖ 1896 ❖

MOON'S PHASES.	EASTERN TIME.	CENTRAL TIME.
Last Quarter .. 1 D.	1 H. 34 M. ev.	0 H. 34 M. ev.
New Moon .... 9 D.	0 H. 2 M. mo.	11 H. 2 M. (8).
First Quarter..15 D.	4 H. 2 M. ev.	3 H. 2 M. ev.
Full Moon ....23 D.	2 H. 4 M. mo.	1 H. 4 M. mo.
Last Quarter ..31 D.	5 H. 55 M. mo.	4 H. 55 M. mo.

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., and Ill.  
MEAN TIME.

Sun rises	Sun sets	Moon rises	H. W. N. Y.	D. OF MO.	D. OF WK.	Sun rises	Sun sets	Moon rises	H. W. Bost'n
4 56	7 16	10 35	1 23	1	Sa.	4 52	7 20	10 30	4 34
4 56	7 14	11 11	2 13	2	S.	4 53	7 18	11 5	5 27
4 57	7 13	11 53	3 11	3	M.	4 54	7 17	11 47	6 25
4 58	7 12	morn.	4 16	4	Tu.	4 55	7 16	morn.	7 31
4 59	7 11	44	5 19	5	W.	4 56	7 15	37	8 34
5 0	7 10	1 47	6 22	6	Th.	4 57	7 14	1 41	9 36
5 1	7 9	2 57	7 16	7	Fr.	4 58	7 12	2 51	10 31
5 2	7 7	sets	8 3	8	Sa.	4 59	7 11	sets	11 20
5 3	7 6	7 28	8 51	9	S.	5 0	7 10	7 30	morn.
5 4	7 5	7 55	9 34	10	M.	5 1	7 8	7 56	6
5 5	7 4	8 20	10 17	11	Tu.	5 2	7 7	8 19	48
5 6	7 2	8 44	10 58	12	W.	5 3	7 6	8 42	1 42
5 7	7 1	9 11	11 46	13	Th.	5 4	7 4	9 8	2 16
5 8	7 0	9 43	morn.	14	Fr.	5 5	7 3	9 39	3 1
5 9	6 58	10 21	40	15	Sa.	5 6	7 1	10 15	3 54
5 10	6 57	11 7	1 42	16	S.	5 7	7 0	11 0	4 55
5 11	6 55	morn.	2 50	17	M.	5 8	6 58	11 55	6 4
5 12	6 55	2	4 1	18	Tu.	5 10	6 57	morn.	7 16
5 13	6 54	1 8	5 10	19	W.	5 11	6 55	1 1	8 25
5 14	6 53	2 15	6 9	20	Th.	5 12	6 54	2 10	9 23
5 15	6 51	3 25	7 1	21	Fr.	5 13	6 52	3 21	10 15
5 16	6 50	4 31	7 42	22	Sa.	5 14	6 51	4 28	10 59
5 17	6 48	rises	8 18	23	S.	5 15	6 49	rises	11 36
5 18	6 47	7 10	8 56	24	M.	5 16	6 48	7 10	ev. 10
5 19	6 44	7 30	9 32	25	Tu.	5 17	6 46	7 29	56
5 20	6 42	7 50	10 5	26	W.	5 18	6 44	7 48	1 19
5 21	6 41	8 12	10 36	27	Th.	5 19	6 43	8 9	1 54
5 22	6 39	8 38	11 15	28	Fr.	5 20	6 41	8 33	2 32
5 23	6 37	9 9	11 57	29	Sa.	5 21	6 39	9 4	3 12
5 24	6 36	9 47	ev. 44	30	S.	5 22	6 38	9 40	3 58
5 25	6 34	10 32	1 41	31	M.	5 23	6 36	10 25	4 54

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.  
MEAN TIME.





A HUNGRY QUARTETTE.—JULIUS ADAM.

SEPTEMBER 1896

MOON'S PHASES.	EASTERN TIME.	CENTRAL TIME.
New Moon .... 7 D.	8 H. 43 M. mo.	7 H. 43 M. mo.
First Quarter..13 D.	11 H. 9 M. ev.	10 H. 9 M. ev.
Full Moon....21 D.	5 H. 49 M. ev.	4 H. 49 M. ev.
Last Quarter ..29 D.	8 H. 58 M. ev.	7 H. 58 M. ev.

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., and Ill. MEAN TIME.

Boston, New England, New-York, Mich., Wis., Iowa, and Oregon. MEAN TIME.

Sun rises	Sun sets	Moon rises	H. W. N. Y.	D. OF MO.	D. OF WK.	Sun rises	Sun sets	Moon rises	H. W. Bost'n
5 26	6 33	11 28	2 41	1	Tu.	5 24	6 35	11 21	5 55
5 27	6 31	morn.	3 49	2	W.	5 26	6 33	morn.	7 4
5 28	6 29	34	4 56	3	Th.	5 27	6 31	28	8 12
5 29	6 28	1 47	5 58	4	Fr.	5 28	6 29	1 42	9 12
5 30	6 26	2 59	6 52	5	Sa.	5 29	6 28	2 55	10 6
5 31	6 25	4 17	7 39	6	S.	5 30	6 26	4 14	10 56
5 32	6 23	sets	8 22	7	M.	5 31	6 24	sets	11 40
5 33	6 21	6 45	9 9	8	Tu.	5 32	6 22	6 44	morn.
5 34	6 20	7 12	9 53	9	W.	5 33	6 21	7 9	21
5 35	6 18	7 41	10 36	10	Th.	5 34	6 19	7 37	1 7
5 36	6 16	8 19	11 28	11	Fr.	5 35	6 17	8 14	1 54
5 37	6 15	9 4 morn.	12	12	Sa.	5 36	6 15	8 58	2 46
5 38	6 13	9 59	22	13	S.	5 37	6 14	9 52	3 41
5 39	6 11	11 0	1 24	14	M.	5 38	6 12	10 53	4 45
5 40	6 9	morn.	2 40	15	Tu.	5 39	6 10	morn.	5 54
5 41	6 8	7	3 48	16	W.	5 40	6 8	1	7 1
5 42	6 6	1 16	4 51	17	Th.	5 41	6 7	1 11	8 7
5 43	6 4	2 25	5 45	18	Fr.	5 43	6 5	2 21	9 0
5 44	6 3	3 27	6 31	19	Sa.	5 44	6 3	3 25	9 45
5 45	6 1	4 29	7 10	20	S.	5 45	6 1	4 28	10 25
5 46	5 59	rises	7 46	21	M.	5 46	6 0	rises	11 3
5 47	5 58	5 56	8 18	22	Tu.	5 47	5 58	5 54	11 36
5 48	5 56	6 19	8 54	23	W.	5 48	5 56	6 16	ev. 8
5 49	5 55	6 41	9 31	24	Th.	5 49	5 54	6 37	ev. 45
5 50	5 53	7 9	10 8	25	Fr.	5 50	5 53	7 5	1 22
5 51	5 52	7 45	10 45	26	Sa.	5 51	5 51	7 39	2 3
5 52	5 50	8 27	11 20	27	S.	5 52	5 49	8 17	2 47
5 53	5 48	9 18	ev. 20	28	M.	5 53	5 47	9 11	3 34
5 54	5 46	10 19	1 17	29	Tu.	5 54	5 46	10 12	4 30
5 54	5 44	11 25	2 19	30	W.	5 56	5 44	11 21	5 33



THE FAVORITES OF FORTUNE.—R. GOUBIE.

OCTOBER 1896

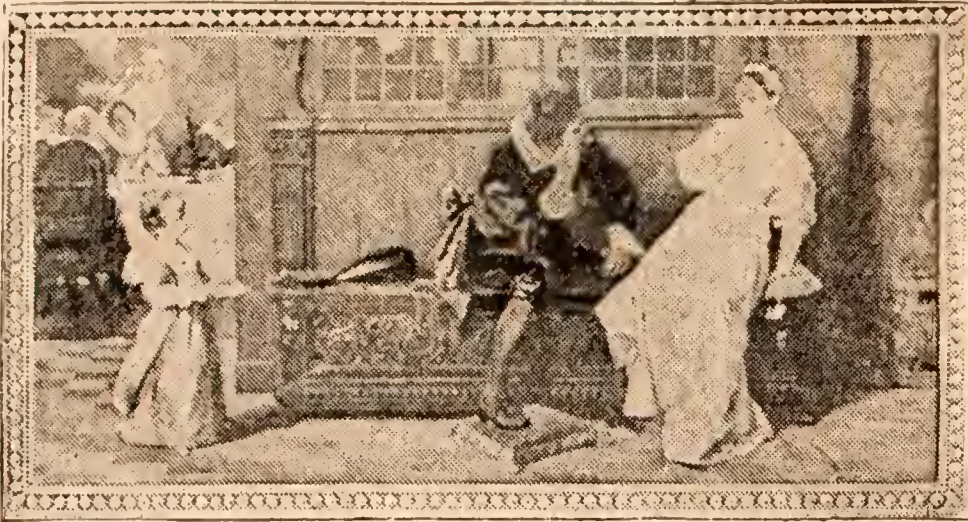
MOON'S PHASES.	EASTERN TIME.	CENTRAL TIME.
New Moon .... 6 D.	5 H. 18 M. ev.	4 H. 18 M. ev.
First Quarter..13 D.	9 H. 47 M. mo.	8 H. 47 M. mo.
Full Moon ....21 D.	11 H. 17 M. mo.	10 H. 17 M. mo.
Last Quarter ..29 D.	10 H. 20 M. mo.	9 H. 20 M. mo.

New-York City, Phila., Conn., New Jersey, Penn., O., Ind., and Ill. MEAN TIME.

Boston, New England, New-York, Mich., Wis., Iowa, and Oregon. MEAN TIME.

Sun rises	Sun sets	Moon rises	H. W. N. Y.	D. OF MO.	D. OF WK.	Sun rises	Sun sets	Moon rises	H. W. Bost'n
5 56	5 43	morn.	3 25	1	Th.	5 57	5 42	morn.	6 39
5 57	5 41	35	4 27	2	Fr.	5 58	5 40	31	7 42
5 57	5 39	1 50	5 28	3	Sa.	5 59	5 39	1 46	8 43
5 58	5 38	3 4	6 22	4	S.	6 0	5 37	3 3	9 36
5 59	5 36	4 20	7 10	5	M.	6 0	5 35	4 20	10 25
6 0	5 35	sets	7 54	6	Tu.	6 0	5 33	sets	11 12
6 1	5 33	5 39	8 42	7	W.	6 0	5 32	5 36	11 57
6 2	5 33	6 13	9 33	8	Th.	6 0	5 30	6 8	morn.
6 3	5 31	6 56	10 25	9	Fr.	6 0	5 28	6 50	47
6 4	5 30	7 48	11 16	10	Sa.	6 0	5 27	7 42	1 40
6 5	5 28	8 50	morn.	11	S.	6 0	5 25	8 44	2 34
6 6	5 27	9 58	1 18	12	M.	6 0	5 23	9 51	3 32
6 8	5 25	11 8	2 22	13	Tu.	6 0	5 22	11 3	4 34
6 9	5 23	morn.	3 23	14	W.	6 0	5 20	morn.	5 36
6 10	5 22	15	4 18	15	Th.	6 0	5 19	11	6 37
6 11	5 20	1 21	5 8	16	Fr.	6 0	5 17	1 18	7 33
6 12	5 19	2 23	6 1	17	Sa.	6 0	5 15	2 21	8 23
6 13	5 17	3 24	7 11	18	S.	6 0	5 14	3 23	8 56
6 14	5 16	4 23	8 20	19	M.	6 0	5 12	4 24	9 47
6 15	5 14	5 22	9 26	20	Tu.	6 0	5 11	5 24	10 25
6 16	5 13	rises	10 25	21	W.	6 0	5 9	rises	11 3
6 18	5 12	5 16	11 20	22	Th.	6 0	5 8	5 12	11 38
6 19	5 10	5 46	12 10	23	Fr.	6 0	5 6	5 40	ev. 15
6 20	5 9	6 26	1 1	24	Sa.	6 0	5 5	6 20	57
6 21	5 7	7 14	2 1	25	S.	6 0	5 3	7 8	1 40
6 22	5 6	8 10	3 1	26	M.	6 0	5 2	8 3	2 28
6 23	5 4	9 12	4 1	27	Tu.	6 0	5 1	9 7	3 17
6 24	5 3	10 20	5 1	28	W.	6 0	4 59	10 15	4 9
6 26	5 2	11 30	6 1	29	Th.	6 0	4 57	11 26	5 8
6 27	5 1	morn.	7 1	30	Fr.	6 0	4 55	morn.	6 8
6 28	4 59	41	8 1	31	Sa.	6 0	4 55	39	7
6 29	4 58	41	9 1	31					





THE INTERRUPTED COURTSHIP.—CARL SOHN.

❖ NOVEMBER ❖ 1896 ❖

MOON'S PHASES.	EASTERN TIME.	CENTRAL TIME.
New Moon .... 5 D.	2 H. 47 M. mo.	1 H. 47 M. mo.
First Quarter..12 D.	0 H. 40 M. mo.	11 H. 40 M. (II)
Full Moon ....20 D.	5 H. 25 M. mo.	4 H. 25 M. mo.
Last Quarter ..27 D.	9 H. 43 M. ev.	8 H. 43 M. ev.

New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., and Ill.  
MEAN TIME.

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

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.  
MEAN TIME.

Sun rises	Sun sets	Moon rises	H. W. Bost'n
6 33	4 54	1 54	8 7
6 34	4 53	3 9	9 2
6 36	4 51	4 27	9 55
6 37	4 50	5 49	10 48
6 38	4 49	sets	11 39
6 39	4 48	5 27	morn.
6 41	4 47	6 26	32
6 42	4 45	7 34	1 26
6 43	4 44	8 48	2 22
6 44	4 43	9 58	3 17
6 46	4 42	11 6	4 9
6 47	4 41	morn.	4 52
6 48	4 40	13	5 50
6 49	4 39	1 19	6 45
6 51	4 39	2 15	7 35
6 52	4 38	3 16	8 19
6 53	4 37	4 17	9 4
6 54	4 36	5 18	9 47
6 56	4 35	6 2	10 29
6 57	4 34	rises	11 13
6 58	4 34	5 5	11 56
6 59	4 33	5 58	ev. 39
7 0	4 32	7 1	1 26
7 2	4 32	8 8	2 13
7 3	4 31	9 16	3 0
7 4	4 31	10 26	3 47
7 5	4 30	11 38	4 39
7 6	4 30	morn.	5 33
7 7	4 30	47	6 29
7 8	4 29	2 3	7 31



FIGHTING BOARS.—C. F. DEIKER.

❖ DECEMBER ❖ 1896 ❖

MOON'S PHASES.	EASTERN TIME.	CENTRAL TIME.
New Moon .... 4 D.	0 H. 51 M. ev.	11 H. 51 M. mo.
First Quarter..11 D.	7 H. 28 M. ev.	6 H. 28 M. ev.
Full Moon ....19 D.	11 H. 5 M. ev.	10 H. 5 M. (II)
Last Quarter ..27 D.	7 H. 8 M. mo.	6 H. 8 M. mo.

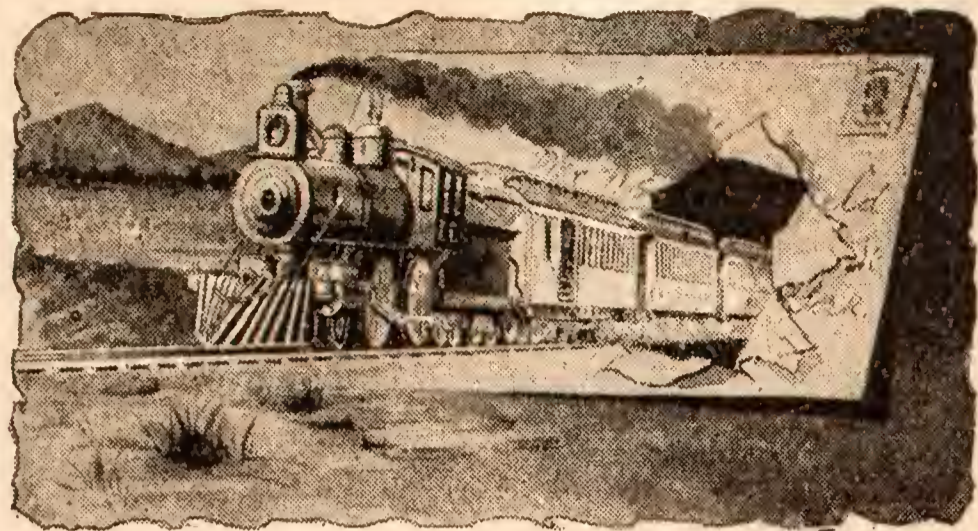
New-York City,  
Phila., Conn., New Jersey,  
Penn., O., Ind., and Ill.  
MEAN TIME.

Sun rises	Sun sets	Moon rises	H. W. N. Y.	D. OF MO.	D. OF WK.
7 5	4 34	3 14	5 15	1	Tu.
7 6	4 33	4 39	6 17	2	W.
7 7	4 33	5 59	7 14	3	Th.
7 8	4 33	sets	8 9	4	Fr.
7 9	4 32	5 16	8 56	5	Sa.
7 10	4 32	6 29	9 59	6	S.
7 11	4 32	7 42	10 47	7	M.
7 12	4 32	8 53	11 43	8	Tu.
7 13	4 32	10 1	morn.	9	W.
7 14	4 32	11 5	21	10	Th.
7 15	4 32	morn.	1 8	11	Fr.
7 15	4 32	7	1 53	12	Sa.
7 16	4 33	1 5	2 38	13	S.
7 16	4 33	2 6	3 27	14	M.
7 17	4 33	3 6	4 18	15	Tu.
7 18	4 33	4 9	5 8	16	W.
7 18	4 33	5 8	6 2	17	Th.
7 19	4 34	6 10	6 48	18	Fr.
7 20	4 34	rises	7 37	19	Sa.
7 20	4 35	4 59	8 20	20	S.
7 21	4 35	6 5	9 10	21	M.
7 21	4 36	7 13	9 56	22	Tu.
7 22	4 37	8 22	10 36	23	W.
7 22	4 37	9 32	11 20	24	Th.
7 23	4 38	10 40	ev. 7	25	Fr.
7 23	4 39	11 51	54	26	Sa.
7 23	4 39	morn.	1 47	27	S.
7 23	4 40	1 0	2 46	28	M.
7 24	4 40	2 18	3 47	29	Tu.
7 24	4 41	3 36	4 54	30	W.
7 24	4 42	4 53	6 1	31	Th.

Boston, New England,  
New-York, Mich., Wis.,  
Iowa, and Oregon.  
MEAN TIME.

Sun rises	Sun sets	Moon rises	H. W. Bost'n
7 10	4 29	3 16	8 30
7 11	4 29	4 43	9 31
7 12	4 28	6 4	10 29
7 13	4 28	sets	11 26
7 14	4 28	5 10	morn.
7 15	4 28	6 23	20
7 16	4 28	7 37	1 13
7 17	4 28	8 49	2 5
7 17	4 28	9 58	2 50
7 18	4 28	11 4	3 35
7 19	4 28	morn.	4 21
7 20	4 28	7	5 7
7 21	4 28	1 7	5 52
7 22	4 28	2 8	6 41
7 22	4 29	3 9	7 33
7 23	4 29	4 13	8 23
7 24	4 29	5 14	9 12
7 24	4 29	6 17	10 2
7 25	4 30	rises	10 54
7 26	4 30	4 52	11 38
7 26	4 31	6 0	ev. 25
7 26	4 31	7 9	1 10
7 27	4 32	8 19	1 54
7 27	4 32	9 31	2 38
7 28	4 33	10 40	3 22
7 28	4 33	11 52	4 7
7 28	4 34	morn.	4 59
7 29	4 35	1 2	6 0
7 29	4 36	2 22	7 2
7 29	4 37	3 41	8 10
7 30	4 37	4 59	9 15





## DOMESTIC POSTAGE.

**FIRST CLASS.**—Letters and all 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, **two cents per ounce** or fraction thereof. A "Special Delivery" ten-cent stamp, when attached to a letter in addition to the lawful postage, shall entitle the letter to immediate delivery at, or within one mile of, any post-office. Postal cards, one cent each; with paid reply, two cents each.

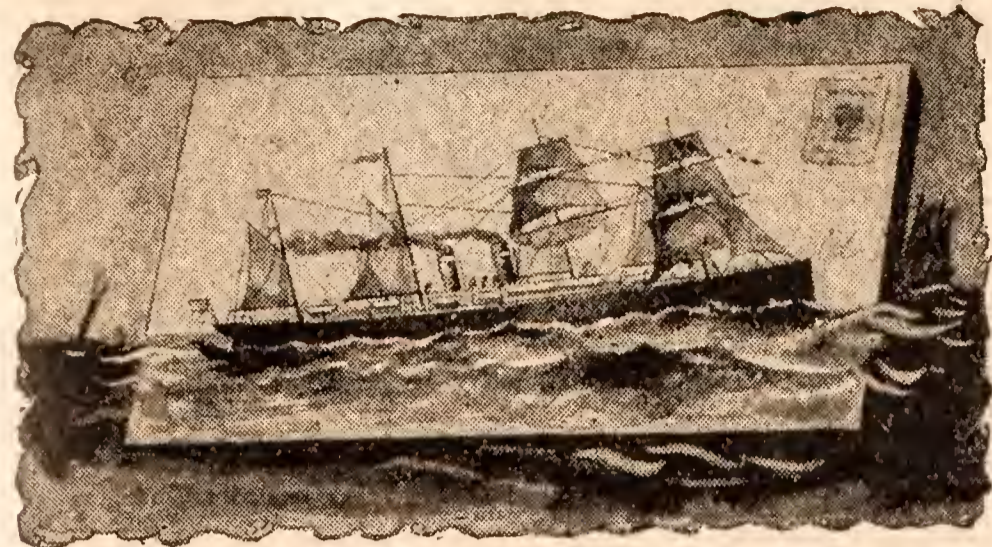
**SECOND CLASS.**—All regular newspapers, magazines, and other periodicals issued at intervals not exceeding three months; the postage is **one cent for each four ounces**, payable by postage stamps.

**THIRD CLASS.**—Embraces **printed books**, pamphlets, circulars, engravings, lithographs, proof-sheets and manuscript accompanying the same, and all matter of the same general character, and not having the character of personal correspondence. Circulars produced by hektograph or similar process, or by electric pen, are rated as third class. The limit of weight for mail matter of the third class is four pounds, except in the case of single books exceeding that weight. The rate of postage on mail matter of the third class is **one cent for each two ounces** or fraction thereof.

**FOURTH CLASS.**—All mailable matter not included in the three preceding classes, which is so prepared for mailing as to be easily taken from the wrapper and examined. Rate, **one cent per ounce** or fraction thereof, except seeds, roots, cuttings, bulbs, plants and scions, which are 1 cent per two ounces. Limit of weight, 4 lbs. Full prepayment compulsory. Liquids, and other like injurious matter, not admitted, except under conditions which may be learned at any post-office.

Direct your mail matter to a post-office, writing the name of the *State* plainly; and if to a city, add the street and number or post-office box of the person addressed. Matter not addressed to a post-office cannot be forwarded. Write or print your name and address, and the contents, if a package, upon the upper left-hand corner of all mail matter. This will insure its immediate return to you for correction, if improperly addressed or insufficiently paid; and if it is not called for at destination it can be returned to you without going to the Dead Letter office. If a letter, it will be returned free. Register all valuable letters and packages. **Registry fee, eight cents**, which, with the postage, must be fully prepaid.

**FEES CHARGED FOR MONEY-ORDERS.**—For Money Orders in denominations of \$100 or less, the following fees are charged: For Orders for sums not exceeding \$2.50, 3 cents; \$2.50 to \$5, 5 cents; \$5 to \$10, 8 cents; \$10 to \$20, 10 cents; \$20 to \$30, 12 cents; \$30 to \$40, 15 cents; \$40 to \$50, 18 cents; \$50 to \$60, 20 cents; \$60 to \$75, 25 cents; \$75 to \$100, 30 cents.



## FOREIGN POSTAGE.

To all Foreign Countries (except Canada and Mexico):  
On Letters, **five cents for each half ounce** or fraction thereof—prepayment optional. Double rates are collected on delivery of unpaid or short-paid letters.

On newspapers, books, pamphlets, photographs, sheet music, maps, engravings, and similar printed matter, **one cent for each two ounces** or fraction thereof.

TO CANADA (including Nova Scotia, New Brunswick, Manitoba, and Prince Edward Island): **LETTERS, two cents for each ounce** or fraction thereof; Books, Circulars, and similar printed matter, **one cent for each two ounces** or fraction thereof; **SECOND CLASS MATTER**, same as in the United States; Samples, 1 cent per 2 ounces (must be paid at least 2 cents); **MERCHANDISE, one cent per ounce**. Packages must not exceed 4 lbs. 6 ozs. in weight—prepayment compulsory.

TO MEXICO: Letters, Postal Cards, and printed matter, same rates as in the United States. **SAMPLES, one cent per two ounces**; **MERCHANDISE** other than Samples can only be sent by Parcel Post.

**LIMITS OF SIZE AND WEIGHT:** Packages of samples of merchandise to the countries named above (except Great Britain, France, Belgium, and Switzerland) must not exceed 8¾ ozs., nor measure more than 12 in. in length, 8 in breadth, and 4 in depth; and packages of printed matter must not exceed 4 lbs. 6 ozs. Packages of merchandise samples to Great Britain, France, Belgium, Switzerland, Italy, Austria, Hawaii, and Argentine Republic are limited to 12 ozs. in weight, 12 in. in length, 8 in width, and 4 in depth. Packages of printed matter to Germany and Great Britain are limited to 2 ft. in length and 1 ft. in each other dimension.

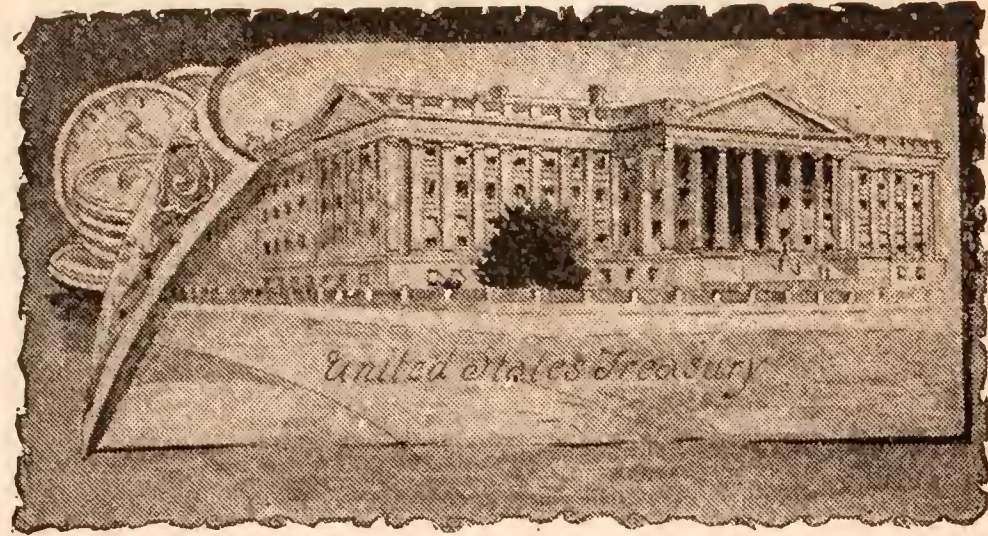
### INTERNATIONAL OR FOREIGN MONEY-ORDER FEES.

On Algeria, Austria, Belgium, British India, Cape Colony, Constantinople, Denmark, Dominion of Canada, Egypt, England, France, German Empire, Hong Kong, Ireland, Italy, Jamaica, Japan, Netherlands, Newfoundland, New South Wales, New Zealand, Norway, Portugal, Sandwich Islands, Scotland, Shanghai, Sweden, Switzerland, Tasmania, Victoria.

For Orders for sums of \$10 or less.....	10 cents.
Over \$10 and not exceeding \$20 .....	20 cents.
Over 20 and not exceeding 30 .....	30 cents.
Over 30 and not exceeding 40 .....	40 cents.
Over 40 and not exceeding 50 .....	50 cents.
Over 50 and not exceeding 60 .....	60 cents.
Over 60 and not exceeding 70 .....	70 cents.
Over 70 and not exceeding 80 .....	80 cents.
Over 80 and not exceeding 90 .....	90 cents.
Over 90 and not exceeding 100 .....	\$1.00.

East Indies and Egypt by remittance through the London Exchange Office.





INTEREST TABLES.

4%	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
4 DAY	0	0	0	0	0	0	0	0	0	0	5	45
8 "	0	0	0	0	0	0	0	0	0	0	9	89
12 "	0	0	0	0	0	0	0	0	0	0	14	1.34
16 "	0	0	0	0	0	0	0	0	0	0	18	1.78
20 "	0	0	0	0	0	0	0	0	0	0	22	2.22
24 "	0	0	0	0	0	0	0	0	0	0	27	2.67
28 "	0	0	0	0	0	0	0	0	0	0	31	3.11
1 MO.	0	0	0	0	0	0	0	0	0	0	34	3.34
2 "	0	0	0	0	0	0	0	0	0	0	67	6.67
3 "	0	0	0	0	0	0	0	0	0	0	10	10.00
6 "	0	0	0	0	0	0	0	0	0	0	20	20.00
1 YR.	4	8	12	16	20	24	28	32	36	40	4.00	40.00

5%	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
4 DAY	0	0	0	0	0	0	0	0	0	0	6	56
8 "	0	0	0	0	0	0	0	0	0	0	11	1.11
12 "	0	0	0	0	0	0	0	0	0	0	17	1.67
16 "	0	0	0	0	0	0	0	0	0	0	22	2.22
20 "	0	0	0	0	0	0	0	0	0	0	28	2.74
24 "	0	0	0	0	0	0	0	0	0	0	34	3.34
28 "	0	0	0	0	0	0	0	0	0	0	39	3.84
1 MO.	0	0	0	0	0	0	0	0	0	0	42	4.17
2 "	0	0	0	0	0	0	0	0	0	0	84	8.34
3 "	0	0	0	0	0	0	0	0	0	0	11	12.50
4 "	0	0	0	0	0	0	0	0	0	0	17	16.67
5 "	0	0	0	0	0	0	0	0	0	0	21	20.84
6 "	0	0	0	0	0	0	0	0	0	0	25	25.00
1 YR.	5	10	15	20	25	30	35	40	45	50	5.00	50.00

6%	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
4 DAY	0	0	0	0	0	0	0	0	0	0	7	67
8 "	0	0	0	0	0	0	0	0	0	0	13	1.33
12 "	0	0	0	0	0	0	0	0	0	0	20	2.00
16 "	0	0	0	0	0	0	0	0	0	0	27	2.67
1 MO.	0	0	0	0	0	0	0	0	0	0	50	5.00
2 "	0	0	0	0	0	0	0	0	0	0	10	10.00
3 "	0	0	0	0	0	0	0	0	0	0	15	15.00
6 "	0	0	0	0	0	0	0	0	0	0	30	30.00
1 YR.	6	12	18	24	30	36	42	48	54	60	6.00	60.00

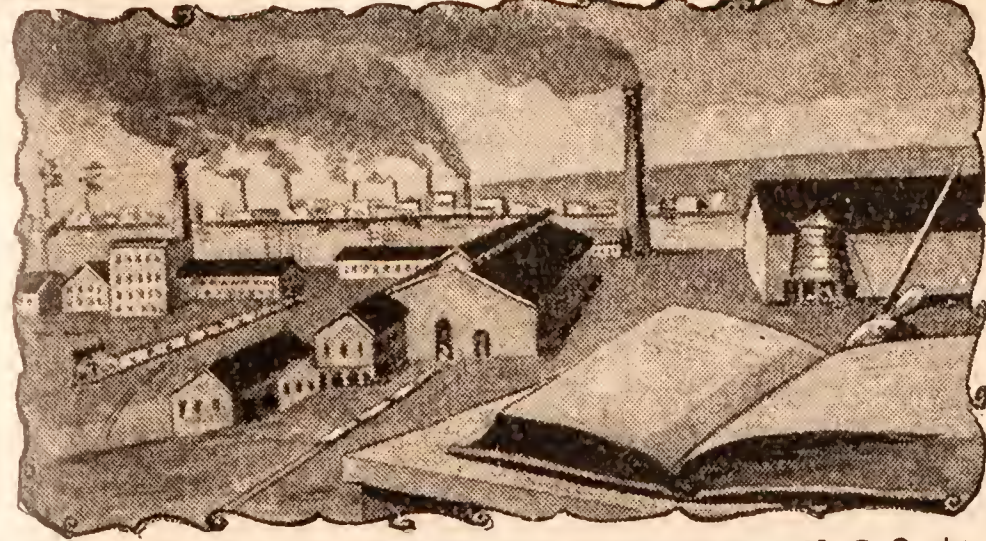
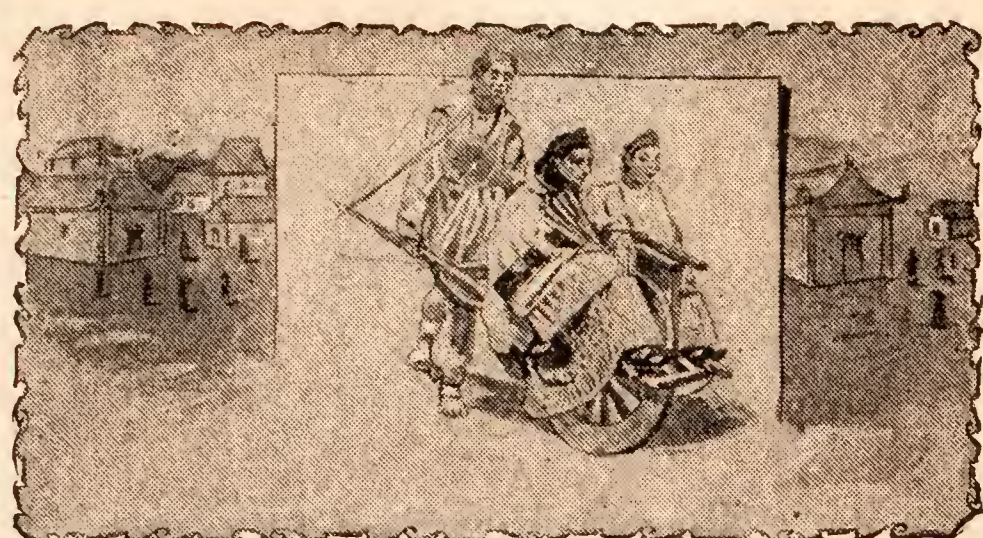


TABLE OF WAGES BY THE WEEK.

Wage	Half hour.	One hour.	Two hours.	Four hours.	Five hours.	Six hours.	Eight hours.	Nine hours.	One day.	Two days.	Three days.	Four days.	Five days.	6 d.
\$3	.02 1/2	.05	.10	.20	.25	.30	.40	.45	.50	1.00	1.50	2.00	2.50	3
4	.03 1/2	.06 2/3	.13 1/3	.26 2/3	.33 1/3	.40	.53 1/3	.60	.66 2/3	1.33 1/3	2.00	2.66 2/3	3.33 1/3	4
5	.04 1/2	.08 1/2	.16 1/2	.33 1/2	.41 2/3	.50	.66 2/3	.75	.83 1/3	1.66 2/3	2.50	3.33 1/3	4.16 2/3	5
6	.05 1/2	.10 1/2	.20 1/2	.40 1/2	.50	.60	.80	.90	1.00	2.00	3.00	4.00	5.00	6
7	.06 1/2	.11 2/3	.23 1/3	.46 2/3	.58 1/3	.70	.93 1/3	1.05	1.16 2/3	2.33 1/3	3.50	4.66 2/3	5.83 1/3	7
8	.07 1/2	.13 1/3	.26 2/3	.53 1/3	.66 2/3	.80	1.06 2/3	1.20	1.33 1/3	2.66 2/3	4.00	5.33 1/3	6.66 2/3	8
9	.08 1/2	.15	.30	.60	.75	.90	1.20	1.35	1.50	3.00	4.50	6.00	7.50	9
10	.09 1/2	.16 2/3	.33 1/3	.66 2/3	.83 1/3	1.00	1.33 1/3	1.50	1.66 2/3	3.33 1/3	5.00	6.66 2/3	8.33 1/3	10
11	.10 1/2	.18 1/3	.36 2/3	.73 1/3	.91 2/3	1.10	1.46 2/3	1.65	1.83 1/3	3.66 2/3	5.50	7.33 1/3	9.16 2/3	11
12	.10	.20	.40	.80	1.00	1.20	1.60	1.80	2.00	4.00	6.00	8.00	10.00	12
13	.10 1/2	.21 1/2	.43 1/2	.86 1/2	1.08 1/2	1.30	1.73 1/2	1.95	2.16 2/3	4.33 1/2	6.50	8.66 2/3	10.83 1/2	13
14	.11 1/2	.23 1/2	.46 1/2	.93 1/2	1.16 1/2	1.40	1.86 1/2	2.10	2.33 1/2	4.66 1/2	7.00	9.33 1/2	11.66 1/2	14
15	.12 1/2	.25	.50	1.00	1.25	1.50	2.00	2.25	2.50	5.00	7.50	10.00	12.50	15
16	.13 1/2	.26 2/3	.53 1/3	1.06 2/3	1.33 1/3	1.60	2.13 1/3	2.40	2.66 2/3	5.33 1/3	8.00	10.66 2/3	13.33 1/3	16
17	.14 1/2	.28 1/2	.56 1/2	1.13 1/2	1.41 1/2	1.70	2.26 1/2	2.55	2.83 1/2	5.66 1/2	8.50	11.33 1/2	14.10 1/2	17
18	.15 1/2	.30	.60	1.20	1.50	1.80	2.40	2.70	3.00	6.00	9.00	12.00	15.00	18
19	.15 1/2	.31 1/2	.63 1/2	1.26 1/2	1.58 1/2	1.90	2.53 1/2	2.85	3.16 2/3	6.33 1/2	9.50	12.66 2/3	15.83 1/2	19
20	.16 1/2	.33 1/2	.66 1/2	1.33 1/2	1.66 1/2	2.00	2.66 1/2	3.00	3.33 1/2	6.66 1/2	10.00	13.33 1/2	16.66 1/2	20
24	.20	.40	.80	1.60	2.00	2.40	3.20	3.60	4.00	8.00	12.00	16.00	20.00	24

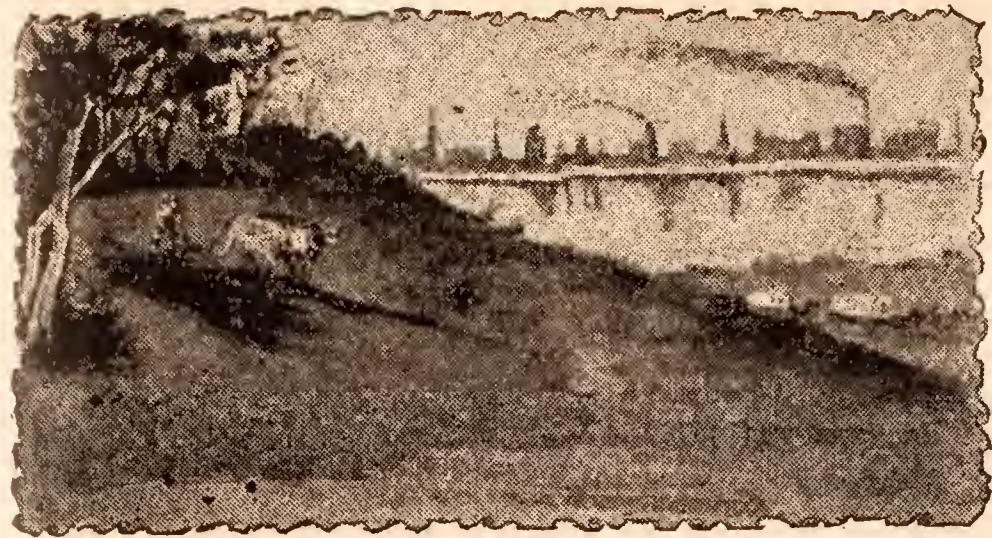
This Table is based upon the usual calculation of 10 hours to a day.





## PRINCIPAL COUNTRIES OF THE WORLD.

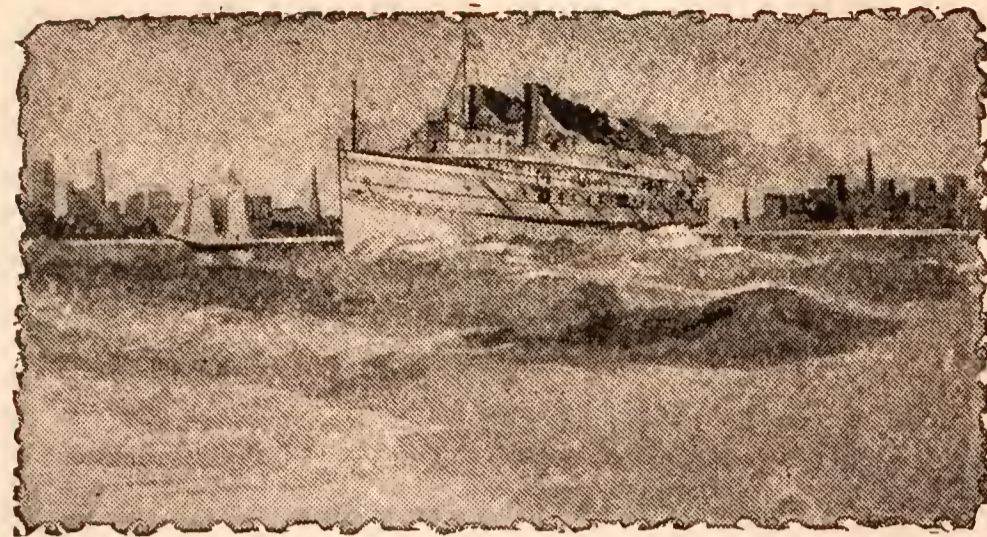
COUNTRY.	Square Miles.	Popula- tion.	Capital.
British Empire .....	12,208,506	378,946,973	London.
Chinese Empire .....	4,468,750	303,214,960	Pekin.
Russian Empire .....	8,457,289	108,787,244	St. Petersb'g.
United States .....	3,602,990	62,622,250	Washington.
German Empire .....	211,108	49,421,064	Berlin.
Austria-Hungary .....	201,591	41,827,700	Vienna.
Japan .....	147,669	39,607,234	Tokio.
France .....	204,177	38,218,903	Paris.
G't Britain and Ireland	121,230	37,740,569	London.
Turkey .....	1,652,533	33,559,787	Consta'nople.
Italy .....	110,665	29,699,785	Rome.
Spain .....	196,173	17,550,216	Madrid.
Brazil .....	3,219,000	14,000,000	R. de Janeiro.
Mexico .....	751,700	11,632,924	Mexico.
Persia .....	636,000	7,653,600	Teheran.
Egypt .....	400,000	6,817,265	Cairo.
Norway and Sweden ..	298,974	6,774,409	Stockholm.
Morocco .....	314,000	6,500,000	Morocco.
Belgium .....	11,373	6,030,043	Brussels.
Siam .....	280,550	5,700,000	Bangkok.
Roumania .....	46,314	5,376,000	Bucharest.
Canada .....	3,456,690	4,833,239	Ottawa.
Portugal .....	34,038	4,708,178	Lisbon.
Abyssinia .....	189,000	4,500,000	Magdala.
Holland (Netherlands)	12,680	4,450,870	The Hague.
Argentine Republic ..	1,095,013	4,200,000	BuenosAyres.
Colombia .....	331,420	4,000,000	Bogota.
Peru .....	405,040	2,970,000	Lima.
Switzerland .....	15,981	2,933,334	Berne.
Chili .....	256,860	2,665,926	Santiago.
Bolivia .....	472,000	2,300,000	La Paz.
Greece .....	24,977	2,187,208	Athens.
Denmark .....	14,780	2,172,205	Copenhagen.
Venezuela .....	566,159	2,121,988	Caracas.
Servia .....	18,757	2,096,043	Belgrade.
Cuba .....	43,220	1,521,684	Havana.
Guatemala .....	46,774	1,427,116	N. Guatemala.
Ecuador .....	144,000	1,146,000	Quito.
Liberia .....	14,000	1,050,000	Monrovia.
Porto Rico .....	3,550	784,709	San Juan.
Uruguay .....	72,112	700,000	Montevideo.
San Salvador .....	7,228	651,130	San Salvador.
Hayti .....	29,830	550,000	P't au Prince.
Paraguay .....	145,000	476,000	Asuncion.
Honduras .....	42,658	431,917	Tegucigalpa.
Nicaragua .....	51,660	400,000	Nicaragua.
Costa Rica .....	19,985	213,785	San Jose.
Hawaii .....	6,587	86,647	Honolulu.



## STATES AND TERRITORIES.

STATES AND TERRITORIES.	Square Miles.	When Settled.	Ad- mitted.	Populat'n in 1892.	Elec'l Vote.
Alabama .....	52,250	1711	1819	1,565,000	11
Arkansas .....	53,850	1685	1836	1,195,000	8
California .....	158,360	1768	1850	1,286,000	9
Colorado .....	103,925	1806	1876	478,000	4
Connecticut .....	4,990	1635	1789	776,000	6
Delaware .....	2,050	1638	1787	173,000	3
Florida .....	58,680	1565	1845	420,000	4
Georgia .....	59,475	1733	1789	1,898,000	13
Idaho .....	84,800	1860	1890	100,000	3
Illinois .....	56,650	1682	1818	3,975,000	24
Indiana .....	36,350	1702	1816	2,234,000	15
Iowa .....	56,025	1788	1837	1,964,000	13
Kansas .....	82,080	1719	1861	1,480,000	10
Kentucky .....	40,400	1787	1792	1,883,000	13
Louisiana .....	48,720	1699	1812	1,156,000	8
Maine .....	33,040	1635	1820	664,000	6
Maryland .....	12,210	1634	1789	1,059,000	8
Massachusetts .....	8,315	1620	1789	2,353,000	15
Michigan .....	58,915	1670	1837	2,186,000	14
Minnesota .....	83,365	1819	1858	1,418,000	9
Mississippi .....	46,810	1716	1817	1,326,000	9
Missouri .....	69,415	1764	1821	2,790,000	17
Montana .....	146,080	1860	1889	160,000	3
Nebraska .....	77,510	1854	1867	1,225,000	8
Nevada .....	110,700	1848	1864	44,000	3
New Hampshire .....	9,305	1623	1789	382,000	4
New Jersey .....	7,815	1620	1789	1,522,000	10
New York .....	49,170	1614	1789	6,212,000	36
North Carolina .....	52,250	1650	1789	1,660,000	11
North Dakota .....	68,645	....	1889	223,000	3
Ohio .....	41,060	1788	1802	3,770,000	23
Oregon .....	96,030	1811	1859	352,000	4
Pennsylvania .....	45,215	1638	1789	5,497,000	32
Rhode Island .....	1,250	1636	1790	360,000	4
South Carolina .....	30,570	1690	1789	1,181,000	9
South Dakota .....	79,800	....	1889	386,000	4
Tennessee .....	42,050	1750	1796	1,789,000	12
Texas .....	265,780	1685	1845	2,377,000	15
Vermont .....	9,565	1724	1791	333,000	4
Virginia .....	42,450	1607	1789	1,685,000	12
Washington .....	69,180	1845	1889	410,000	4
West Virginia .....	24,780	1607	1863	784,000	6
Wisconsin .....	56,040	1669	1847	1,771,000	12
Wyoming .....	97,890	1869	1890	74,000	3
Alaska Ter. .....	561,409	1741	....	40,000	....
Arizona " .....	113,020	1582	....	63,000	....
Indian " .....	64,609	1834	....	190,000	....
New Mexico " .....	122,580	1582	....	161,000	....
Oklahoma " .....	39,450	....	....	123,000	....
Utah " .....	84,970	1847	....	223,000	....

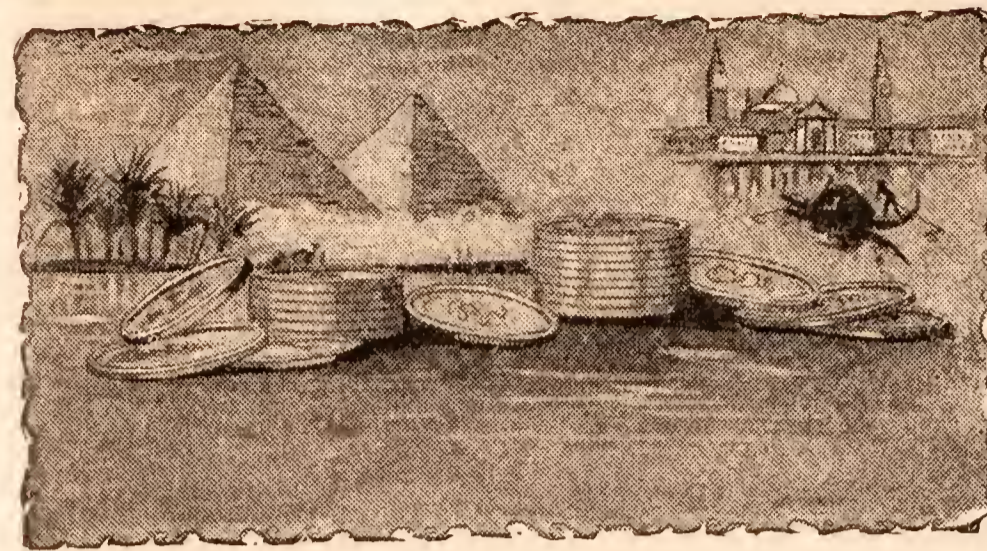




## PRINCIPAL CITIES.

POPULATION, DISTANCE FROM NEW-YORK, AND DIFFERENCE BETWEEN MEAN AND STANDARD TIME.

CITIES.	Population 1890.	Miles	Hours	Stan. Time	
				— } Mean	+ } Time.
New-York, N. Y.....	1,513,501	....	.....	—	4 m.
Chicago, Ill.....	1,098,576	912	24.	—	9
Philadelphia, Pa.....	1,044,894	90	2.	+	1
Brooklyn, N. Y.....	804,377	....	.....	—	4
St. Louis, Mo.....	450,245	1065	29.40	+	1
Boston, Mass.....	446,507	234	5.	—	16
Baltimore, Md.....	433,547	188	4.09	+	6
San Francisco, Cal.....	297,990	3209	110.	+	10
Cincinnati, Ohio.....	296,309	757	21.10	—	22
Cleveland, Ohio.....	261,546	585	14.20	+	27
Buffalo, N. Y.....	254,457	410	8.40	+	16
New Orleans, La.....	241,995	1371	48.	—	0
Pittsburgh, Pa.....	238,473	444	12.	+	20
Washington, D. C.....	228,160	228	5.25	+	8
Detroit, Mich.....	205,669	646	16.55	—	28
Milwaukee, Wis.....	204,150	997	27.10	—	8
Newark, N. J.....	181,518	10	.30	—	3
Minneapolis, Minn.....	164,738	1332	39.	+	12
Louisville, Ky.....	161,005	867	24.30	—	18
Omaha, Neb.....	139,526	1402	41.30	+	14
Rochester, N. Y.....	138,327	374	7.17	+	11
St. Paul, Minn.....	133,156	1322	38.40	+	12
Kansas City, Mo.....	132,416	1385	41.30	+	19
Providence, R. I.....	132,099	188	4.01	—	14
Denver, Col.....	126,186	1982	60.	—	0
Indianapolis, Ind.....	107,445	825	22.30	—	16
Albany, N. Y.....	93,523	145	2.45	—	5
Columbus, Ohio.....	90,398	540	17.	—	28
Syracuse, N. Y.....	87,877	293	5.50	+	5
Worcester, Mass.....	84,536	190	5.	—	13
Toledo, Ohio.....	82,652	706	17.30	—	16
Richmond, Va.....	80,838	342	11.15	+	10
Nashville, Tenn.....	76,309	1000	30.30	—	17
Memphis, Tenn.....	64,586	1244	44.30	—	0
Grand Rapids, Mich.....	64,147	934	23.08	—	17
Lincoln, Neb.....	55,491	1460	30.30	+	22
Charleston, S. C.....	54,592	803	31.	+	24
Hartford, Conn.....	53,182	113	2.50	—	9
Des Moines, Iowa.....	50,067	1270	41.	+	14
Portland, Or.....	47,294	3232	135.	+	20
Salt Lake City, Utah.....	45,025	2471	72.	+	28
Seattle, Wash.....	43,914	3358	142.	—	10
Savannah, Ga.....	41,762	904	31.	+	24
Galveston, Texas.....	29,118	1782	63.	+	19
Leavenworth, Kan.....	20,250	1369	41.	+	20
Rutland, Vt.....	11,757	232	7.47	—	9



## VALUE OF FOREIGN COINS.

DENOMINATION.	COUNTRY.	Equivalent U. S. Money.
Alfonso.....	Spain.....	\$4.80.
Boliviano.....	Bolivia.....	.69.8
Bolivar.....	Venezuela.....	.14.
Crown.....	Nor'y, Swed'n, Den'k.	.26.8
Dollar.....	British America.....	1.00.
".....	Liberia.....	1.00.
".....	Mexico.....	.75.8
".....	Sandwich Islands.....	1.00.
".....	Spain.....	.94.
Drachma.....	Greece.....	.19.3
Florin.....	Austria.....	.34.5
".....	Netherlands.....	.40.2
Franc.....	France, Belg., Switz..	.19.3
Half Imperial.....	Russia.....	3.97.
20 Kroner.....	Nor'y, Swed'n, Den'k.	5.25.
Lira.....	Italy.....	.19.3
Mahbub of 20 piasters.....	Tripoli.....	.62.9
Mark.....	German Empire.....	.23.8
Milreis of 1000 reis.....	Brazil.....	.54.6
".....	Portugal.....	1.08.
Peseta of 100 centimes.....	Spain.....	.19.3
Peso.....	Chili.....	.91.2
".....	Cuba.....	.92.6
".....	Ecuador.....	.69.8
".....	U. S. of Colombia.....	.69.8
Piaster.....	Egypt.....	.04.9
".....	Turkey.....	.04.4
Pound Sterling (Sovereign)	England.....	4.87.
Rouble of 100 copecks.....	Russia.....	.55.8
Rupee of 16 annas.....	India.....	.33.2
Shilling.....	England.....	.24.
Sol.....	Peru.....	.69.8
Thaler (3 marks).....	Germany.....	.70.
Yen.....	Japan.....	.75.2

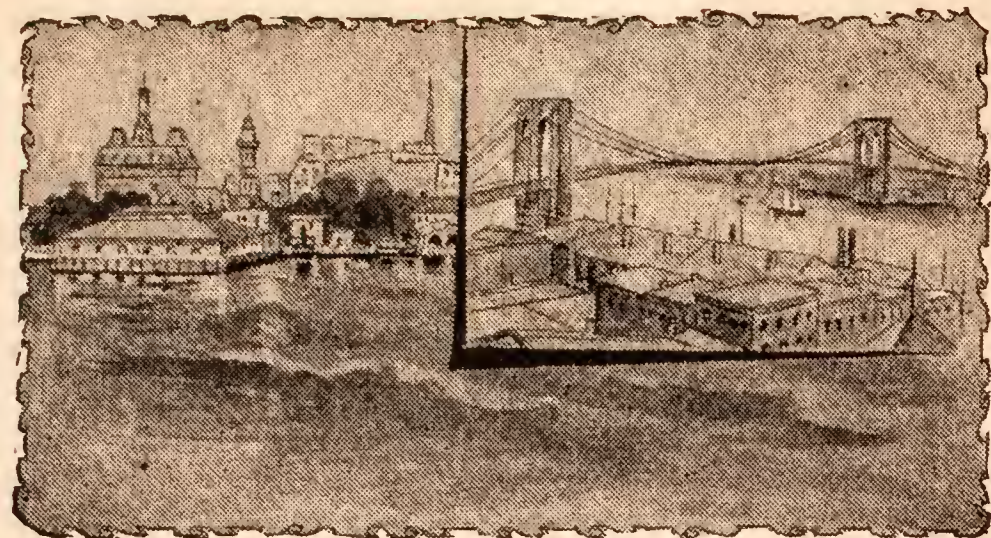
### Explanation of the Currencies of the various Countries.

AUSTRIA AND RUSSIA.—The Paper Currencies are continually subject to important fluctuations.

In FRANCE, BELGIUM, SWITZERLAND, AND ITALY, 1 franc=100 centimes. GERMANY, 1 mark=100 pfennig. HOLLAND, 1 florin or gulden=100 cents. NORWAY, SWEDEN, AND DENMARK, 1 kroner=100 öre. UNITED STATES, 1 dollar=100 cents. SPAIN, 1 peseta=100 centavos. AUSTRIA, 1 florin=100 kreuzer. PORTUGAL, 1 milreis=1000 reis. GREECE, 1 drachma=100 leptas. TURKEY, 1 piaster=40 paras. RUSSIA, 1 rouble=100 copecks.

Italian notes and silver are not current in France, Belgium, and Switzerland, but the silver of these countries passes current in Italy.





## PLACES OF INTEREST IN NEW YORK.

**AMERICAN MUSEUM OF NATURAL HISTORY**, between Eighth and Ninth Avenues, 77th and 81st Streets.—Open free every day except Monday and Tuesday, when there is an admission fee of 25 cents. Contains a fine collection of mounted birds, animals, fishes, insects, &c.

**BATTERY PARK**, at the southern end of the island.—Contains 21 acres, beautifully laid out. A wide promenade extends along the sea wall, from which a fine view of the harbor may be obtained. Named from the battery erected here by the Dutch settlers. The British army embarked here Nov. 25, 1783, when evacuating New York at the close of the Revolution.

**BROOKLYN BRIDGE**, connects New York City with Brooklyn.—Construction begun June 3d, 1870. Opened to the public May 24th, 1883. Total length, 5989 feet; width, 89 feet; height of towers, 278 feet; height of center above high water, 135 feet; cost \$15,000,000. Foot passengers, free; car fare, 3 cents, or 10 tickets for 25 cents.

**CASTLE GARDEN**, in Battery Park.—Now New York aquarium. Formerly used for great popular meetings and receptions, afterwards the fashionable opera house of the city, where Sontag, Mario and Jenny Lind were first heard in this country.

**CENTRAL PARK**, between Fifth and Eighth Avenues, 59th and 110th Streets.— $2\frac{1}{2}$  miles long and  $\frac{1}{2}$  mile wide. Contains 860 acres. It has twelve grand entrances, contains 28 miles of walks, 10 miles of carriage roads, and 5 miles of bridle paths. More than 10,000,000 people visit the park annually.

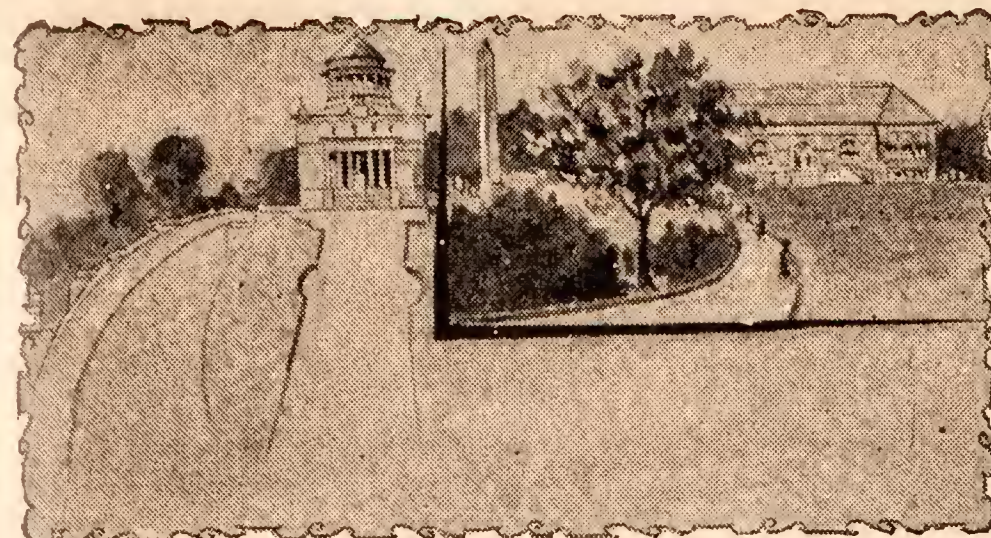
**CITY HALL**, City Hall Park.—Built of marble in 1803. The Governor's room contains the portraits of all the Governors of New York State, the chair and desk at which Washington wrote his first message to Congress, and many other relics.

**CUSTOM HOUSE**, Wall Street, Cor. of William.—A granite edifice, the portico of which is supported by a number of columns 38 feet high,  $4\frac{1}{2}$  feet in diameter, each cut from a single stone. All vessels arriving at and leaving this port must report to the Government officials here.

**GEN. GRANT'S TOMB**, in Riverside Park at 123d Street, overlooking the Hudson River.—It is expected that the grand monument to the memory of Gen. Grant will be erected near the temporary tomb. It can be reached by the Sixth Avenue Elevated road to 125th Street, thence by cable cars.

**HIGH BRIDGE**, Harlem River at 175th Street.—A stone structure conveying the water of the Croton aqueduct across the Harlem River, at a height of 100 feet; length, 1400 feet.

**METROPOLITAN MUSEUM OF ART**, in Central Park, near Fifth Avenue and 82d Street.—Open free every day except Monday and Tuesday, when an admission fee of 25 cents is charged. Contains a large and rich collection of some of the best examples of the old masters and modern painters, and a fine gallery of marble statuary.



## PLACES OF INTEREST IN NEW YORK.

**OBELISK**, in Central Park, near Metropolitan Museum, Fifth Avenue and 82d Street.—Erected in Egypt about 3500 years ago. It is cut from one solid block of granite, 70 feet high and weighing 40,000 pounds. It is covered with hieroglyphics illustrating the deeds and titles of the King of Egypt at that time. Presented by the Khedive, Ismail Pasha, to the city of New York. Brought here by Lieut. Goringe, U. S. N., in a vessel specially fitted up for the purpose. The entire cost of transportation and erecting was defrayed by the late William H. Vanderbilt.

**POST OFFICE**, Broadway and Park Row.—Costing \$7,000,000. There are sixteen branch offices.

**STATUE OF LIBERTY**, on Liberty (formerly Bedloe's) Island. Modeled by the French sculptor Bartholdi, and presented by France to the United States. The Statue is of copper-bronze, 151 feet high; mounted on a stone pedestal 154 feet high, making the extreme height 305 feet. It may be reached by boat from the Barge Office at the Battery.

**SUB-TREASURY**, Wall Street, Cor. of Nassau.—Built of white granite on the site of old Federal Hall, where Washington was inaugurated. The original building, erected in 1700, was used for the City Hall. The first Congress under the National Constitution met here, March 4th, 1789, when the name was changed to Federal Hall. Afterwards used as the State Capitol, and then the present building was erected and used many years as the Custom House; now occupied for the storage of gold and silver coin, etc. The walls are five and six feet thick, and the roof is of solid stone four feet thick. It is guarded day and night by a force of twenty-five men. On the steps now stands a statue of Washington, the pedestal containing the very stone on which he stood when taking the oath, on April 30th, 1789.

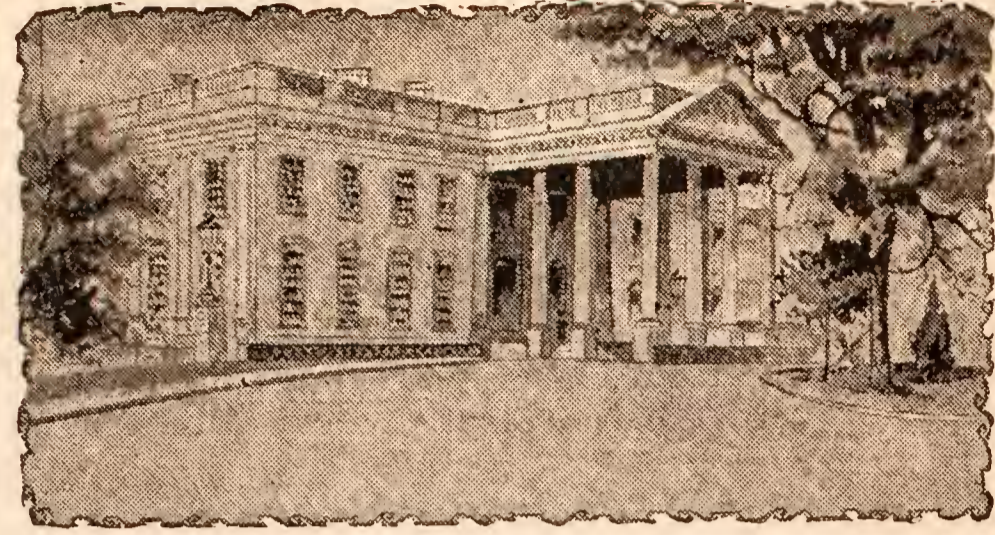
**ST. PATRICK'S CATHEDRAL**, Fifth Avenue, 50th and 51st Streets.—The most imposing church edifice in the United States, costing over \$2,000,000. It is 300 feet long, 140 feet wide, and 108 feet high. The twin spires on either side of the front gable rise to a height of 328 feet. The rich stained glass in its 70 windows was made in France and cost \$100,000. The main altar, 40 feet high, is made of Italian marble inlaid with rare gems. The organ is one of the largest in the city. The Cathedral is open daily.

**ST. PAUL'S CHURCH**, Broadway, Cor. Vesey Street.—Erected in 1764. A chapel of Trinity Church. Was attended by Washington, and his pew still remains, marked with his initials.

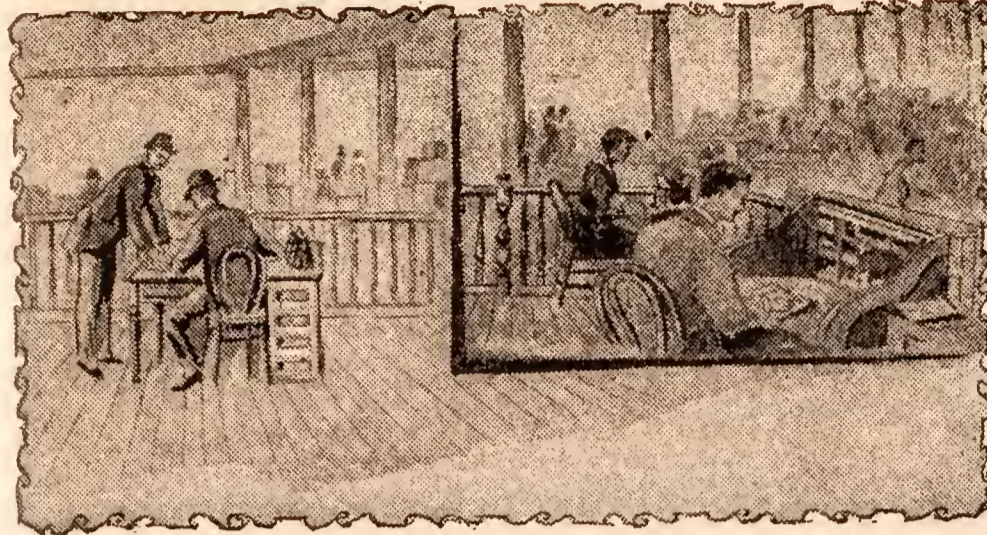
**TRINITY CHURCH**, Broadway, head of Wall Street.—The richest parish in the United States, its annual income reaching \$500,000. Was founded in 1697. The church was burned in 1776, rebuilt in 1788, and the present house was completed in 1846. It was designed by the famous American architect Upjohn, and required seven years to build. The steeple is 284 feet high.



PRESIDENTS OF THE UNITED STATES.



NAMES.	BORN.	INAUGURATED.	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	4 " " " " " "	July 4, 1826	Massachus'ts.
THOMAS JEFFERSON	April 2, 1743	" 4, 1801	4 " " " " " "	July 28, 1826	Virginia.
JAMES MADISON	March 16, 1751	" 4, 1809	8 " " " " " "	June 28, 1836	"
JAMES MONROE	April 2, 1759	" 4, 1817	8 " " " " " "	July 4, 1831	Massachus'ts.
JOHN QUINCY ADAMS	July 11, 1767	" 4, 1825	8 " " " " " "	Feb. 23, 1848	S. Carolina.
ANDREW JACKSON	March 15, 1767	" 4, 1829	4 " " " " " "	June 8, 1845	New York.
MARTIN VAN BUREN	Dec. 5, 1782	" 4, 1837	4 " " " " " "	Dec. 27, 1862	Virginia.
WILLIAM H. HARRISON	Feb. 9, 1773	" 4, 1841	1 month.....	April 4, 1841	"
JOHN TYLER	March 20, 1790	April 5, 1841	3 yrs. 11 mos..	Jan. 17, 1862	N. Carolina.
JAMES K. POLK	Nov. 2, 1795	March 4, 1845	4 " " " " " "	June 15, 1849	Virginia.
ZACHARY TAYLOR	Nov. 24, 1790	" 4, 1849	1 year 4 mos..	July 9, 1850	New York.
MILLARD FILLMORE	May 7, 1800	July 10, 1850	2 yrs. 8 " " "	March 8, 1874	N. Hampshire.
FRANKLIN PIERCE	Nov. 23, 1804	March 4, 1853	4 " " " " " "	Oct. 8, 1869	Pennsylvania.
JAMES BUCHANAN	April 23, 1791	" 4, 1857	4 " " " " " "	June 1, 1868	Kentucky.
ABRAHAM LINCOLN	Feb. 12, 1809	" 4, 1861	4 " " " " " "	April 15, 1865	N. Carolina.
ANDREW JOHNSON	Dec. 29, 1808	April 15, 1865	4 " " " " " "	July 31, 1875	"
ULYSSES S. GRANT	Dec. 27, 1822	March 4, 1869	3 " " " " " "	July 23, 1885	Ohio.
RUTHERFORD B. HAYES	Oct. 4, 1822	March 4, 1877	4 " " " " " "	Jan. 17, 1893	"
JAMES A. GARFIELD	Nov. 19, 1831	" 4, 1881	6 mos. 15 days	Sept. 19, 1881	Vermont.
CHESTER A. ARTHUR	Oct. 5, 1830	Sept. 19, 1881	3 yrs. 5 mos..	Nov. 18, 1886	New Jersey.
GROVER CLEVELAND	Mar. 18, 1837	March 4, 1885	4 " " " " " "	" " " " " "	Ohio.
BENJAMIN HARRISON	Aug. 20, 1833	" 4, 1889	4 " " " " " "	" " " " " "	"
GROVER CLEVELAND	March 18, 1837	" 4, 1893	" " " " " "	" " " " " "	New Jersey.



VALUABLE INFORMATION FOR BUSINESS MEN.

DEMAND NOTES are payable on presentation, without grace, and bear legal interest after a demand has been made, if not so written. An endorser on a demand note is holden only for a limited time, variable in different States.

A NEGOTIABLE NOTE must be made payable either to bearer, or be properly endorsed by the person to whose order it is made. If the endorser wishes to avoid responsibility, he can endorse "without recourse."

A JOINT NOTE is one signed by two or more persons, who can each become liable for the whole amount.

THREE DAYS' GRACE is allowed on all time notes, after the time for payment expires; if not then paid, the endorser, if any, should be legally notified, to be holden.

NOTES FALLING DUE SUNDAY, or on a legal holiday, must be paid the day previous.

ALTERING A NOTE in any manner, by the holder, makes it void.

NOTES GIVEN BY MINORS are void.

THE MAKER OF A NOTE that is lost or stolen is not released from payment if the amount and consideration can be proven.

NOTES OBTAINED BY FRAUD, or given by intoxicated persons, cannot be collected.

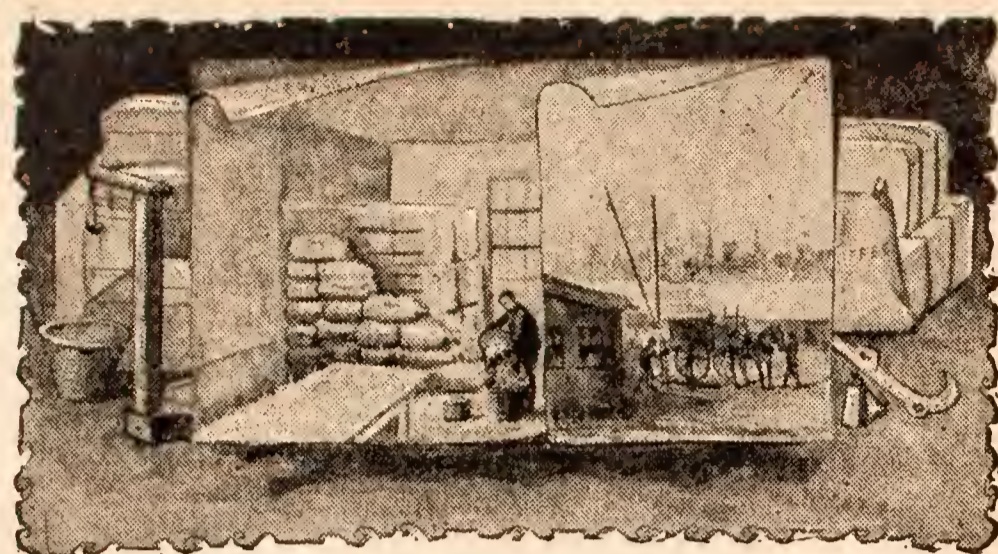
AN ENDORSER has a right of action against all whose names were previously on a note endorsed by him.

A BILL OF EXCHANGE OR DRAFT is an order drawn by one person or firm upon another, payable either at sight or at a stated future time.

A note dated on Sunday is void. An endorser of a note is exempt from liability if not served with notice of its dishonor within 24 hours of its non-payment. Notes bear interest only when so stated. Principals are responsible for their agents. Each individual in partnership is responsible for the whole amount of the debts of the firm. Ignorance of the law excuses no one. It is a fraud to conceal a fraud. It is illegal to compound a felony. The law compels no one to do impossibilities. An agreement without a consideration is void. Signatures in lead pencil are good in law. A receipt for money is not legally conclusive. The acts of one partner bind all the others. Contracts made on Sunday cannot be enforced. A contract with a minor is void. A contract made with a lunatic is void. Written contracts concerning land must be under seal.

DEPOSITS OF MONEY in a bank placed to the credit of depositors are always subject to their check for full amount due.





## WEIGHTS AND MEASURES.

**MEASURES OF WEIGHT.**—*Avoirdupois*: 1 pound equals 7000 grains; 16 drams, 1 ounce; 16 ounces, 1 pound; 112 pounds, 1 hundredweight; 20 hundredweight, 1 ton. *Troy*: 1 pound equals 5760 grains; 24 grains, 1 pennyweight; 20 pennyweights, 1 ounce; 12 ounces, 1 pound. *Apothecaries'*: 1 pound equals 5760 grains; 20 grains, 1 scruple; 3 scruples, 1 dram; 8 drams, 1 ounce; 12 ounces, 1 pound. *Metric*: 1 kilogramme equals 1000 grammes, equals 2.2 Avoirdupois pounds.

**MEASURES OF LENGTH.**—*Customary*: 12 inches equal 1 foot; 16½ feet, 1 rod; 40 rods, 1 furlong; 8 furlongs, 1 statute mile; 1 statute mile, 5280 feet or 1760 yards; 1 marine league, 3 nautical miles; 1 fathom, 6 feet; 1 nautical mile equals 6080.2 feet. *Metric*: 1000 millimetres equal 1 metre; 1000 metres, 1 kilometre; 1 metre equals 39.37 inches.

**SURFACE OR SQUARE MEASURE.**—*Customary*: 144 square inches equal 1 square foot; 9 square feet, 1 square yard; 30.25 square yards, 1 square rod; 40 square rods, 1 square rood; 4 square roods, 1 acre; 640 acres, 1 square mile; 1 acre equals 208.7 feet square. *Metric*: 1 square metre equals 1 acre; 100 acres, 1 hectare; 1 hectare equals about 2.5 (2.47) acres.

**SOLID OR CUBIC MEASURE.**—*Customary*: 1728 cubic inches equal 1 cubic foot; 27 cubic feet, 1 cubic yard; 40 cubic feet of round timber, 1 ton; 50 cubic feet of hewn timber, 1 ton; 128 cubic feet of wood (4 feet by 4 feet by 8 feet), 1 cord; 24.75 cubic feet of stone, 1 perch—usually 16½ feet by 1½ feet by 1 foot, but varies greatly. *Metric*: 1000 cubic centimetres equal 1 litre, equals .946 quart.

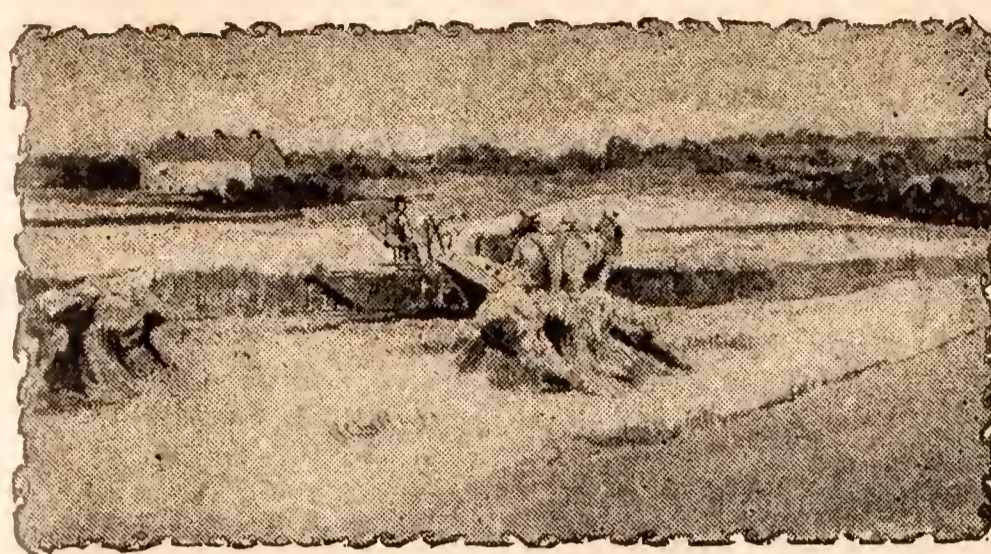
**LIQUID MEASURE.**—English gallon equals 277.463 cubic inches; U. S. gallon equals 231 cubic inches; 4 gills, 1 pint; 2 pints, 1 quart; 4 quarts, 1 gallon.

**DRY MEASURE.**—1 bushel equals 2150.42 cubic inches; 2 pints, 1 quart; 4 quarts, 1 gallon; 2 gallons, 1 peck; 4 pecks, 1 bushel. *Metric*: 10 millilitres equal 1 centilitre; 10 centilitres, 1 decilitre; 10 decilitres, 1 litre; 1 litre, 1.06 quarts.

**POUNDS PER BUSHEL.**—The weight per bushel of different articles differs in different States. Revised Statutes of the U. S., Sec. 2019: "For the purpose of estimating the duties on importations of grain, the number of bushels shall be ascertained by weight instead of by measuring; and sixty pounds of wheat, fifty-six pounds of corn, fifty-six pounds of barley, thirty-two pounds of oats, sixty pounds of peas, and forty pounds of buckwheat, avoirdupois weight, shall respectively be estimated as a bushel."

### CAPACITY OF BOXES.

25 in. sq., 11.66 in. deep	=	Approx. 1 wine barrel.
20 " " " 9.10 " "	=	1 wine half barrel.
17 " x 14 in. 9.00 " "	=	1 bushel.
10 " x 12 " 9.00 " "	=	½ "
8 " square, 8.40 " "	=	1 peck.
8 " " 4.20 " "	=	1 gal. (dry measure).
7 " diam., 6.00 " "	=	1 gal. (liquid measure).



## COMPARATIVE YIELD

IN POUNDS PER ACRE.

Hops .....	442	Plums .....	2,000	Grass .....	7,000
Wheat .....	1,260	Cherries .....	2,000	Potatoes .....	7,500
Barley .....	1,600	Onions .....	2,800	Apples .....	8,000
Oats .....	1,840	Hay .....	4,000	Turnips .....	8,420
Peas .....	1,920	Pears .....	5,000	Cabbages .....	10,900
Beans .....	2,000	Carrots .....	6,800	Parsnips .....	11,200

## PERCENTAGE OF NUTRITION IN VARIOUS ARTICLES OF FOOD.

Cucumbers .....	2	Boiled codfish .....	21	Rye bread .....	79
Melons .....	3	Potatoes .....	22½	Boiled beans .....	87
Turnips .....	4½	Fried veal .....	24	Boiled rice .....	88
Milk .....	7	Roast pork .....	24	Barley bread .....	88
Cabbage .....	7½	Roast poultry .....	26	Wheat bread .....	90
Currants .....	10	Beef .....	26	Baked cornbread .....	91
Eggs .....	13	Grapes .....	27	Boiled barley .....	92
Beets .....	14	Plums .....	29	Butter .....	93
Apples .....	16	Broiled mutton .....	30	Boiled peas .....	93
Peaches .....	20	Oatmeal p'dge .....	75		

## AGRICULTURAL PRODUCTIONS OF THE UNITED STATES.

Barley, bushels ..	72,760,000	Oats, bushels .....	661,035,000
Buckwheat, " ..	11,000,000	Oranges, boxes .....	7,000,000
Butter and cheese, tons .....	610,000	Peanuts, bushels ..	2,600,000
Cotton, bales ..	6,717,142	Potatoes, " ..	155,000,000
Flax, bushels ..	11,104,440	Rye, " ..	31,750,000
Hay, tons .....	50,000,000	Sugar, pounds .....	481,270,222
Hops, pounds ..	1,987,790,000	Tobacco, " .....	565,795,000
Indian corn, bu. .	1,628,464,000	Wheat, bushels .....	515,949,000
		Wool, pounds .....	294,000,000

**LIVE STOCK.**—Number of horses, 16,206,802; mules, 2,321,128; cows, 16,424,087; oxen and other cattle, 35,954,196; sheep, 47,273,553; swine, 46,094,807.

## TO MEASURE CORN IN CRIB, ETC.

This rule will apply to a crib of any size or kind. Two cubic feet of good, sound, dry corn in the ear will make a bushel of shelled corn. To get, then, the quantity of shelled corn in a crib of corn in the ear, measure the length, breadth, and height of the crib inside of the rail; multiply the length by the breadth, and the product by the height; then divide the product by two, and you have the number of bushels of shelled corn in the crib.

To find the number of bushels of apples, potatoes, etc., in a bin, multiply the length, breadth, and thickness together, and this product by 8, and point off one figure in the product for decimals.





## FACTS FOR BUILDERS.

BRICKS REQUIRED TO CONSTRUCT ANY BUILDING.  
(Reckoning 7 Bricks to each Superficial Foot.)

SUPERFICIAL FEET OF WALL.	NUMBER OF BRICKS TO THICKNESS OF					
	4 IN.	8 IN.	12 IN.	16 IN.	20 IN.	24 IN.
1.....	7	15	23	30	38	45
2.....	15	30	45	60	75	90
3.....	23	45	68	90	113	135
4.....	30	60	90	120	150	180
5.....	38	75	113	150	188	225
6.....	45	90	135	180	225	270
7.....	53	105	158	210	263	315
8.....	60	120	180	240	300	360
9.....	68	135	203	270	338	405
10.....	75	150	225	300	375	450

### COST OF TIN ROOFING PER SQUARE AND SQUARE FOOT.

The first column contains the price, per box, of tin; the second column shows the cost of tin per square (100 square feet) of surface; and the third column shows the cost of tin per square foot of surface.

Flat Seam Roofing—Cost with 14x20 tin.

Box Price	Cost per Square	Cost per Square Foot
\$4.25.....	\$2.21.....	\$0.0221
4.50.....	2.34.....	.0234
4.75.....	2.47.....	.0247
5.00.....	2.60.....	.0260
5.25.....	2.73.....	.0273
5.50.....	2.86.....	.0286
5.75.....	2.99.....	.0299
6.00.....	3.12.....	.0312
6.25.....	3.25.....	.0325
6.50.....	3.38.....	.0338
6.75.....	3.51.....	.0351
7.00.....	3.64.....	.0364
7.25.....	3.77.....	.0377
7.50.....	3.90.....	.0390
7.75.....	4.03.....	.0403
8.00.....	4.17.....	.0416

1000 shingles, laid 4 inches to the weather, will cover 100 square feet of surface, and 5 pounds of shingle nails will fasten them on.

One fifth more siding and flooring is needed than the number of square feet of surface to be covered, because of the lap in the siding and matching.

1000 laths will cover 70 yards of surface, and 11 pounds of lath-nails will nail them on. Eight bushels of good lime, 16 bushels of sand, and 1 bushel of hair will make enough good mortar to plaster 100 square yards.

A cord of stone, 3 bushels of lime, and a cubic yard of sand will lay 100 cubic feet of wall.

Five courses of brick will lay 1 foot in height on a chimney; 6 bricks in a course will make a flue 4x12 inches; and 8 bricks in a course will make a flue 8x16 inches.

Cement 1 bushel and sand 2 bushels will cover 3 1/2 square yards 1 inch thick, 4 1/2 square yards 3/4 inch thick, 6 3/4 square yards 1/2 inch thick. One bushel cement and 1 of sand will cover 2 1/4 square yards 1 inch thick, 3 square yards 3/4 inch thick, and 4 1/2 square yards 1/2 inch thick.



## TO TELL TIME OF TIDE.

The time of high water at the places following may be found approximately for each day by adding or subtracting from the time of high water at New-York the hours and minutes annexed.

	H. M.		H. M.
Albany, N. Y.....	+ 9.39	New Haven, Conn...	+ 3.1
Annapolis, Md.....	+ 8.57	New London, Conn..	+ 1.16
Asbury Park, N. J....	- 0.37	Newport, R. I.....	- 0.22
Atlantic City, N. J...-	0.29	Norfolk, Va.....	+ 0.56
Baltimore, Md.....	+10.52	Norwich, Conn.....	+ 2.5
Bar Harbor, Me.....	+ 2.50	Ocean Grove, N. J...-	0.37
Beaufort, S. C.....	- 0.9	Old P. Comfort, Va..	+ 0.37
Block Island, R. I...-	0.34	Philadelphia, Pa....	+ 5.37
Boston, Mass.....	+ 3.22	Plymouth, Mass....	+ 3.12
Bridgeport, Conn....	+ 3.4	Point Lookout, Md..	+ 4.49
Bristol, R. I.....	- 0.2	Portland, Me.....	+ 3.10
Cape May, N. J.....	+ 0.12	Portsmouth, N. H...-	3.16
Charleston, S. C.....	- 0.43	Poughkeepsie, N. Y.	+ 4.27
Coney Island, N. Y...-	0.20	Providence, R. I....	+ 0.7
Eastport, Me.....	+ 3.1	Richmond, Va.....	+ 8.47
Fernandina, Fla.....	- 0.19	Rockaway, N. Y.....	- 0.28
Gloucester, Mass....	+ 2.57	Rockland, Me.....	+ 2.55
Isle of Shoals.....	+ 3.11	Rockport, Mass....	+ 2.50
Jacksonville, Fla....	+ 0.36	Salem, Mass.....	+ 3.5
Key West, Fla.....	+ 0.55	Sandy Hook, N. J...-	0.32
League Island, Pa...+	5.12	Savannah, Ga.....	- 0.49
Long Branch, N. J...-	0.38	Smithville, N. C....	- 0.51
Marblehead, Mass...+	3.4	Vineyard Haven, Mass	+ 3.35
Nahant, Mass.....	+ 3.2	Washington, D. C...+	11.54
Nantucket, Mass....	+ 4.31	Watch Hill, R. I....	+ 0.53
New Bedford, Mass..	+ 0.10	West Point, N. Y...+	2.55
Newburyport, Mass..	+ 3.29	Wilmington, N. C....	+ 0.59

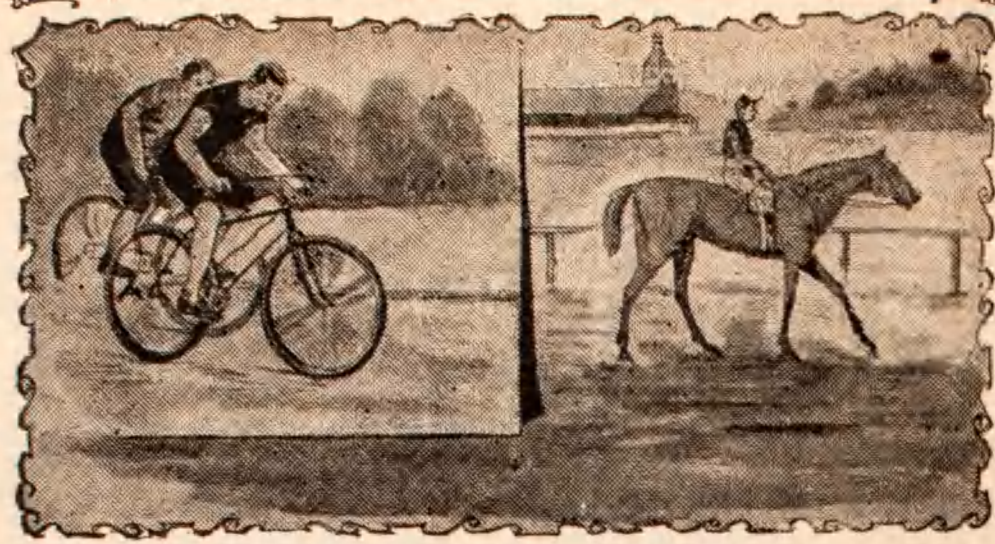
EXAMPLE.—To ascertain at what hour it will be high tide at Sandy Hook on the 1st of July, find first the time of high water at New-York under that date, and then subtract 32 minutes, as found in above table opposite Sandy Hook; the result is the time of high water required.

## WEATHER SIGNALS.



When black triangular flag is placed above white or blue flag it indicates warmer; when placed below, colder weather. For example—3, 1, 2 indicates warmer, fair weather, followed by rain or snow.





### BEST RECORDS.

WORLD'S RECORDS FOR ONE MILE. ALL METHODS OF PROGRESSION.

TIME. M. S.	METHOD.	HOLDER OF RECORD.	DATE.
0.37	Railroad Train ...	Phila. & Reading..	Nov. 26, '92
1.10	Yacht (Ice).....	Dreadnought .....	Jan. 26, '93
1.35 1-2	Horse (Running)..	Salvator.....	Aug. 28, '90
1.50	Torpedo Boat ....	Brazilian Navy....	June 2, '91
1.55 3-5	Safety Bicycle....	J. S. Johnson .....	Nov. 8, '93
2.04	Horse (Trotting)..	Nancy Hanks.....	Sep. 28, '92
2.06 4-5	Tandem Bicycle..	{ G. E. Osmond } { R. G. Merry }	Sep. 14, '93
2.12 1-2	Yacht (Steam)....	Norwood.....	Nov. 7, '91
2.12 3-5	Skating (Ice, with Wind).....	Tim. Donoghue*..	Feb. 1, '87
2.20	Ocean Liner (S.S.)	Teutonic.....	Aug. '91
2.22 1-5	Ordinary Bicycle..	W. F. Murphy.....	July 5, '92
2.28	Single Tricycle...	L. Stroud*.....	Sep. 22, '93
2.31 2-5	Tandem Tricycle..	{ P. W. S. Beduin* } { B. W. Crump* }	July 25, '91
2.50 2-5	Skating (Rollers)..	Frank Delmont**.	Aug. 27, '90
4.12 3-4	Man (Running)...	W. G. George**...	Aug. 26, '86
5.40	Rowing (Single Sculls).....	Jos. Laing*.....	Aug. 19, '82
5.42 1-2	Snowshoes (Run- ning).....	J. G. Ross*.....	Mar. 7, '85
6.23	Walking.....	W. Perkins**.....	June 1, '74
9.23	Canoe Paddling..	A. F. Mackendrick*	Aug. 29, '90
27.03 1-2	Swimming.....	W. G. Gromley*...	Mar. 28, '93

\* Amateur.      \*\* Professional.

**YACHT RACING.**—For America's Cup, between Valkyrie (English) and Vigilant (American). All three (3) races won by Vigilant. This was the ninth time the cup had been sailed for, including the race in which it was first won by the America, at Cowes, in 1851.

**BASE-BALL, 1893.**—Boston won the League pennant; Erie, the Eastern League trophy; Harvard, the Intercollegiate honors.

**FOOT-BALL, 1893.**—Princeton won the pennant by defeating Yale, Nov. 30, by 6 to 0.

**LAWN TENNIS, 1893.**—Championship of America. Men's singles, W. D. Wrenn; men's doubles, Clarence Hobart and F. H. Hovey; ladies' singles, Miss Grace Terry.

**WEIGHT THROWING, 1893.**—Putting 16-lb. shot, G. R. Gray, N. Y. A. C., 47 ft. Throwing 56-lb. weight, J. S. Mitchell, N. Y. A. C., 34 ft. 5½ in. Throwing 16-lb. hammer (7-ft. circle), J. S. Mitchell, N. Y. A. C., 134 ft. 8 in.

**JUMPING, 1893.**—Running high jump, M. F. Sweeny, X. A. A., 5 ft. 11 in. Standing high jump, A. P. Schwaner, N. Y. A. C., 4 ft. 11½ in. Running long jump, C. E. Reber, P. A. C., St. Louis, 23 ft. 4½ in. Pole vault for height, C. T. Bucholz, B. C. A. A., 10 ft. 6 in. Pole vault for distance, A. H. Green, C. A. A., 27 ft. 5 in.

Wea.      WED. JAN. 1, 1896      Ther.

Wea.      THURSDAY 2      Ther.

Wea.      FRIDAY 3      Ther.



Wea. SAT. JAN. 4, 1896 Ther.

Wea. SUNDAY 5 Ther.

Wea. MONDAY 6 Ther.

Wea. TURS. JAN. 7, 1896 Ther.

Wea. WEDNESDAY 8 Ther.

Wea. THURSDAY 9 Ther.



Wea.

FRI. JAN. 10, 1896

Ther.

Wea.

MON. JAN. 13, 1896

Ther.

Wea.

SATURDAY 11

Ther.

Wea.

TUESDAY 14

Ther.

Wea.

SUNDAY 12

Ther.

Wea.

WEDNESDAY 15

Ther.



Wea.

THUR. JAN. 16, 1896

Ther.

Wea.

FRIDAY 17

Ther.

Wea.

SATURDAY 18

Ther.

Wea.

SUN. JAN. 19, 1896

Ther.

Wea.

MONDAY 20

Ther.

Wea.

TUESDAY 21

Ther.



Wea.

WED. JAN. 22, 1896

Ther.

Wea.

THURSDAY 23

Ther.

Wea.

FRIDAY 24

Ther.

Wea.

SAT. JAN. 25, 1896

Ther.

Wea.

SUNDAY 26

Ther.

Wea.

MONDAY 27

Ther.



Wea. TUES. JAN. 28, 1896 Ther.

Wea. WEDNESDAY 29 Ther.

Wea. THURSDAY 30 Ther.

Wea. FRI. JAN. 31, 1896 Ther.

Wea. SAT. FEB. 1 Ther.

Wea. SUNDAY 2 Ther.



Wea.

TUES. JAN. 28, 1896

Ther.

Wea.

FRI. JAN. 31, 1896

Ther.

Wea.

WEDNESDAY 29

Ther.

Wea.

SAT. FEB. 1

Ther.

Wea.

THURSDAY 30

Ther.

Wea.

SUNDAY 2

Ther.



Wea. MON. FEB. 3, 1896 Ther.

Wea. TUESDAY 4 Ther.

Wea. WEDNESDAY 5 Ther.

Wea. THUR. FEB. 6, 1896 Ther.

Wea. FRIDAY 7 Ther.

Wea. SATURDAY 8 Ther.



Wea.

SUN. FEB. 9, 1896

Ther.

Wea.

MONDAY 10

Ther.

Wea.

TUESDAY 11

Ther.

Wea.

WED. FEB. 12, 1896

Ther.

Wea.

THURSDAY 13

Ther.

Wea.

FRIDAY 14

Ther.





Wea.

SAT. FEB. 15, 1896

Ther.

Wea.

SUNDAY 16

Ther.

Wea.

MONDAY 17

Ther.

Wea.

TUES. FEB. 18, 1896

Ther.

Wea.

WEDNESDAY 19

Ther.

Wea.

THURSDAY 20

Ther.



Wea. THUR. FEB. 27, 1896 Ther.

Wea. FRIDAY 28 Ther.

Wea. SATURDAY 29 Ther.

Wea. SUN. MARCH 1, 1896 Ther.

Wea. MONDAY 2 Ther.

Wea. TUESDAY 3 Ther.



Wea. WED. MARCH 4, 1896 Ther.

Wea. SAT. MARCH 7, 1896 Ther.

Wea. THURSDAY 5 Ther.

*Started for Lincoln, Neb. Fare \$9.78  
Cab. .25*

Wea. SUNDAY 8 Ther.

Wea. FRIDAY 6 Ther.

Wea. MONDAY 9 Ther.



Wea. TUES. MARCH 10, 1896 Ther.

Wea. WEDNESDAY 11 Ther.

Wea. THURSDAY 12 Ther.

Wea. FRI. MARCH 13, 1896 Ther.

Wea. SATURDAY 14 Ther.

Wea. SUNDAY 15 Ther.





Wea. MON. MARCH 16, 1896 Ther.

Wea. THUR. MARCH 19, 1896 Ther.

Wea. TUESDAY 17 Ther.

Wea. FRIDAY 20 Ther.

Wea. WEDNESDAY 18 Ther.

Wea. SATURDAY 21 Ther.



Wea. SUN. MARCH 22, 1896 Ther.

Wea. WED. MARCH 25, 1896 Ther.

Wea. MONDAY 23 Ther.

Wea. THURSDAY 26 Ther.

Wea. TUESDAY 24 Ther.

Wea. FRIDAY 27 Ther.



Wea. SAT. MARCH 28, 1896 Ther.

Wea. TUES. MARCH 31, 1896 Ther.

Wea. SUNDAY 29 Ther.

Wea. WED. APRIL 1 Ther.

Wea. MONDAY 30 Ther.

Wea. THURSDAY 2 Ther.





Wea.

FRI. APRIL 3, 1896

Ther.

Wea.

MON. APRIL 6, 1896

Ther.

Wea.

SATURDAY 4

Ther.

Wea.

TUESDAY 7

Ther.

Wea.

SUNDAY 5

Ther.

Wea.

WEDNESDAY 8

Ther.





Wea. THUR. APRIL 9, 1896 Ther.

Wea. SUN. APRIL 12, 1896 Ther.

Wea. FRIDAY 10 Ther.

Wea. MONDAY 13 Ther.

Wea. SATURDAY 11 Ther.

Wea. TUESDAY 14 Ther.





Wea. WED. APRIL 15, 1896 Ther.

Wea. SAT. APRIL 18, 1896 Ther.

Wea. THURSDAY 16 Ther.

Wea. SUNDAY 19 Ther.

Wea. FRIDAY 17 Ther.

Wea. MONDAY 20 Ther.



Wea. TUES. APRIL 21, 1896 Ther.

Wea. FRI. APRIL 24, 1896 Ther.

Wea. WEDNESDAY 22 Ther.

Wea. SATURDAY 25 Ther.

Wea. THURSDAY 23 Ther.

Wea. SUNDAY 26 Ther.



Wea. MON. APRIL 27, 1896 Ther.

Wea. TUESDAY 28 Ther.

Wea. WEDNESDAY 29 Ther.

Wea. THUR. APRIL 30, 1896 Ther.

Wea. FRI. MAY 1 Ther.

Wea. SATURDAY 2 Ther.





Wea. SUN. MAY 3, 1896 Ther.

Wea. WED. MAY 6, 1896 Ther.

Wea. MONDAY 4 Ther.

Wea. THURSDAY 7 Ther.

Wea. TUESDAY 5 Ther.

Wea. FRIDAY 8 Ther.





Wea. SAT. MAY 9, 1896 Ther.

Wea. SUNDAY 10 Ther.

Wea. MONDAY 11 Ther.

Wea. TUES. MAY 12, 1896 Ther.

Wea. WEDNESDAY 13 Ther.

Wea. THURSDAY 14 Ther.



Wea.

FRI. MAY 15, 1896

Ther.

Wea.

MON. MAY 18, 1896

Ther.

Wea.

SATURDAY 16

Ther.

Wea.

TUESDAY 19

Ther.

Wea.

SUNDAY 17

Ther.

Wea.

WEDNESDAY 20

Ther.



Wea. THUR. MAY 21, 1896 Ther.

Wea. SUN. MAY 24, 1896 Ther.

Wea. FRIDAY 22 Ther.

Wea. MONDAY 25 Ther.

Wea. SATURDAY 23 Ther.

Wea. TUESDAY 26 Ther.





Wea. WED. MAY 27, 1896 Ther.

Wea. THURSDAY 28 Ther.

Wea. FRIDAY 29 Ther.

Wea. SAT. MAY 30, 1896 Ther.

Wea. SUNDAY 31 Ther.

Wea. MON. JUNE 1 Ther.





Wea. TUES. JUNE 2, 1896 Ther.

Wea. WEDNESDAY 3 Ther.

Wea. THURSDAY 4 Ther.

Wea. FRI. JUNE 5, 1896 Ther.

Wea. SATURDAY 6 Ther.

Wea. SUNDAY 7 Ther.



Wea. MON. JUNE 8, 1896 Ther.

Wea. TUESDAY 9 Ther.

Wea. WEDNESDAY 10 Ther.

Wea. THUR. JUNE 11, 1896 Ther.

Wea. FRIDAY 12 Ther.

Wea. SATURDAY 13 Ther.



Wea. SUN. JUNE 14, 1896 Ther.

Slavnost v Bauholzerni  
zahradě v St. Paul.  
Večer v Navátile,

Wea. MONDAY 15 Ther.

*Sjzd*

Wea. TUESDAY 16 Ther

*Sjzd*

Wea. WED. JUNE 17, 1896 Ther.

*Sjzd*

Wea. THURSDAY 18 Ther.

*Sjzd.*

Wea. FRIDAY 19 Ther.

*Sjzd*



Wea. SAT. JUNE 20, 1896 Ther.

Sjzd.

Vícěr jsem se přivítával  
k p. Ant. Juskovi.

Wea. SUNDAY 21 Ther.

Dopoledne jsem prozídeli St Paul.  
West St. Paul - "žestyně"  
St. Paul - Summit ave, atd.  
Odpoledne s p. Juskou, Zmáškou, Zic.  
Cerných, a Čechovičk do Lake Como.

Wea. MONDAY 22 Ther.

Celý den v Fish Hatcheries,  
parku Minneapolis, Minnehaha,  
pěšky do Ft. Snelling, a  
domu, v společnosti sleč.  
Růženy Juskovi, Anny Čechové,  
Loriny Čechovi a milie Černých.

Wea. TUES. JUNE 23, 1896 Ther.

Dopoledne u p. Juskou.  
Odpoledne k veče Minneapolis  
pod "High Bridge"

Pak do University - 14 budov. viděl  
jsem Finka atd.  
Byli jsme též na Guaranty Loan  
budově - krtkovi vyhlídka

Wea. WEDNESDAY 24 Ther.

S p. Juskou prozídeli po  
hr. Northern vlekou skrz Minneapolis  
a k Minnetonka. P. loďi do  
Hotel St. Louis, Excelsior,  
Lafayette Park, Spring Park.  
Savani letní sídla, Králová jezera,  
samý útvar, zeleň, atd. Píchnou v  
zpět do Lafayette Park. Dayton Building

Wea. THURSDAY 25 Ther.

S p. Juskou v Capitol - viděl  
jsem Warren Uphama, a pak  
p. Pálce a, bývalého učitele  
Stábil jsem Uphamovi předst  
Lacos pojednání. Byli jsme na  
výši Capitolu.  
Byli jsme též  
Odpoledne na sbírky.  
Sít.



Wea. FRI. JUNE 26, 1896 Ther.

Dopoledne u p. Jursky.  
odpoledne na chivy - diet'

Wea. SATURDAY 27 Ther.

Dopoledne u p. Jursky.  
odpoledne k White Bear  
Lake. Po železnici do  
Wild Wood - pak po fermičan  
do Ramaley's Pavilion  
(Lake Shore) - diet'.  
Po železnici do St Paul.

Wea. SUNDAY 28 Ther.

U p. Jursky a J. Tomiska  
(Cvratka p. J.)  
Chvilu u Wálka spedy.

Wea. MON. JUNE 29, 1896 Ther.

Dopoledne na Oakland  
hřbitoví a Jursky a Pichow

odpoledne u Pichy, pak  
na vlak (Western Ave. depot  
C. M. & St. Paul)  
v 10<sup>40</sup> do Mason City

Wea. TUESDAY 30 Ther.

V Mason City

Wea. WED. JULY 1 Ther.

U Hackberry Grove  
clay banks.  
Stisky zbranemiti a  
vrtiti -



Wea. THUR. JULY 2, 1896 Ther.

Ráno do Ovaloung,

odpoledne nič,

trochu horko -

Ubytování u Dr. Surze,

Šel jsem se s J. Pichnerem (katrantský), a Jos. Soukupem (Kortinský) a W. H. H. (Kortinský).

Wea. FRIDAY 3 Ther.

Šel jsem s Slezákem, pantoflákem Dr. S., Jiřím, Jos. Kubat, s třemi vřechy a Anthonem a Trubáčkem.

Ráno jsem jel městem a do State Public School (Nalysine) odpoledne do Fairbank, atd.

Wea. SATURDAY 4 Ther.

Wea. SUN. JULY 5, 1896 Ther.

Wea. MONDAY 6 Ther.

Ráno zjezd do Mason City kam jsem přijel v 1.30 hod. odpoledne.

Odpoledne jsem odpočíval.

Wea. TUESDAY 7 Ther.

Ráno jsem šel na slivky západně a jihozápadně, a odpoledne ke "Slough" severo-východně. Same nothing.



Wea. WED. JULY 8, 1896 Ther.

Ráno jsem pokračoval vstřímání.  
Odpoledne jsem šel severo-východně  
zas k "Slough".

Wea. THURSDAY 9 Ther.

Jeli jsme ke Clear Lake.  
Přijeli jsme tam odpoledne  
a uviděli jsme je.  
K večeru jsem rybní. - 6 ryb.

Wea. FRIDAY 10 Ther.

Slivky.  
Večer na ryby - 20 ryb.

Wea. SAT. JULY 11, 1896 Ther.

Ráno rybní - jen 4.  
Slivky.

Wea. SUNDAY 12 Ther.

Jeli jsme s Josefem k  
západnímu konci jezera.  
Pěšně slivky.

Wea. MONDAY 13 Ther.

Ráno jsem pokračoval.  
Odpoledne domů.  
Viděl jsem v Clear Lake  
Miss Ethel Charlot  
Roy Palante  
John Etzel



Wea. TUES. JULY 14, 1896 Ther.

Byl jsem z rodimou  
doma  
odpoledne v Nova Jurek.  
Mame jela down.

Wea. WEDNESDAY 15 Ther.

Byl jsem celá den ve  
meste  
Pakemil a jela jsem.

Wea. THURSDAY 16 Ther.

Ráno jsem byl v  
vichelně,  
Odpoledne jsem jel  
jsem Garra do Forest  
City.  
Lv. Kansas City 2:20 - ar. Kansas 3:00  
Lv. Kansas 5:12 ar. Forest City 5:40

Wea. FRI. JULY 17, 1896 Ther.

A.M. Borings & botanical work  
East.  
P.M. Borings & bot. work  
South.

Wea. SATURDAY 18 Ther.

A.M. Collected E.  
P.M. Collected E. & N.E.

Wea. SUNDAY 19 Ther.

A.M. Worked at hotel. Packing.  
P.M. Went S. to Mex. RR.  
RR. gravel pit.



Wea. MON. JULY 20, 1896 Ther.

Went to Lake Edwards,  
Packed in afternoon.

Wea. TUESDAY 21 Ther.

A.M. Spent in town  
P.M. Went to Lake Mills  
Rain.

Wea. WEDNESDAY 22 Ther.

Boil.

Wea. THUR. JULY 23, 1896 Ther.

Boil.

Wea. FRIDAY 24 Ther.

Returned to Forest City &  
took train for Armstrong.  
Reached Armstrong at 7:05  
P.M., got mail, & walked  
out to Cratty's.

Wea. SATURDAY 25 Ther.

Boil.



Wea. SUN. JULY 26, 1896 Ther.

Bird.

Wea. MONDAY 27 Ther.

Bird. ~~Collected a little near  
house~~

Wea. TUESDAY 28 Ther.

collected a little near house.  
Collected a little, ~~July 29-16.~~  
Started for Estherville,  
took dinner there & then  
went to Spirit Lake.  
All this with team, cratty  
was slow,  
located at Commercial Hotel.  
In P.M. collected on E. side of  
North East Obioji.

Wea. ~~WED. JULY 29, 1896~~ Ther.

(see preceding)

Wea. THURSDAY 30 Ther.

A.M. Got boat at Pritchards  
and worked in E. Obioji.  
P.M. Got boat & went  
along W. shore of Spirit  
Lake to North end.

Wea. FRIDAY 31 Ther.

A.M. rained Packed.  
P.M. Took team & went  
to West Obioji Lake - S.  
end. Got boat went  
to Pillsbury's Pt., etc.



Wea. SAT. AUG. 1, 1896 Ther.

A.M. packed, & collected  
S. on W. side of E. Okoboji.  
Cratly left after dinner,  
Went with him about 2 mi. E.  
& then collected around E.  
Okoboji - W. side.

Wea. SUNDAY 2 Ther.

Spent most of day at  
W. Okoboji, Arnold's Park,  
Log Cabin, etc.  
Took boat out on E. Okoboji.

Wea. MONDAY 3 Ther.

Started at 8.<sup>10</sup> A.M. for Rock Rapids  
after stopping 2 pkgs. & 1 box.  
Reached Rock Rapids at 10.<sup>15</sup> A.M.  
Spent A.M. in having shoe  
repaired, laundry, etc.  
Stopped at Rock Rapids House  
P.M. went north up the river  
botanizing. Hot.

Wea. TUES. AUG. 4, 1896 Ther.

Went to Granite & worked  
up & down the Big Sioux &  
out on the prairie ridges.  
Good luck.  
Started at 10.<sup>15</sup> A.M. returned  
at 5.<sup>05</sup> P.M.

Wea. WEDNESDAY 5 Ther.

Packed A.M.  
P.M. went northward again.

Wea. THURSDAY 6 Ther.

Went to Granite again & over  
to Shindlar in S. Dakota.  
Also North to the northwest  
corner of Iowa.  
Had good luck.



Wea. FRI. AUG. 7, 1896 Ther.

Packed & after dinner  
started for home.

Wea. SATURDAY 8 Ther.

Got to Cedar Rapids at  
3.45 a.m.  
Left at 7:10 for home.

Wea. SUNDAY 9 Ther.

Wea. MON. AUG. 10, 1896 Ther.

Wea. TUESDAY 11 Ther.

Wea. WEDNESDAY 12 Ther.



Wea. THUR. AUG. 13, 1896 Ther.

Wea. FRIDAY 14 Ther.

Wea. SATURDAY 15 Ther.

Wea. SUN. AUG. 16, 1896 Ther.

Wea. MONDAY 17 Ther.

Wea. TUESDAY 18 Ther.



Wea. WED. AUG. 19, 1896 Ther.

Wea. THURSDAY 20 Ther.

Wea. FRIDAY 21 Ther.

Wea. SAT. AUG. 22, 1896 Ther.

Wea. SUNDAY 23 Ther.

Wea. MONDAY 24 Ther.



Wea. TUES. AUG. 25, 1896 Ther.

Wea. WEDNESDAY 26 Ther.

Wea. THURSDAY 27 Ther.

Wea. FRI. AUG. 28, 1896 Ther.

Wea. SATURDAY 29 Ther.

Wea. SUNDAY 30 Ther.





Wea. MON. AUG. 31, 1896 Ther.

Wea. TUES. SEPT. 1 Ther.

Wea. WEDNESDAY 2 Ther.

Wea. THUR. SEPT. 3, 1896 Ther.

Wea. FRIDAY 4 Ther.

Wea. SATURDAY 5 Ther.



Wea. SUN. SEPT. 6, 1896 Ther.

Wea. MONDAY 7 Ther.

Wea. TUESDAY 8 Ther.

Wea. WED. SEPT. 9, 1896 Ther.

Wea. THURSDAY 10 Ther.

Wea. FRIDAY 11 Ther.



Wea. SAT. SEPT. 12, 1896 Ther.

Wea. TUES. SEPT. 15, 1896 Ther.

Wea. SUNDAY 13 Ther.

Wea. WEDNESDAY 16 Ther.

Wea. MONDAY 14 Ther.

Wea. THURSDAY 17 Ther.





Wea. FRI. SEPT. 18, 1896 Ther.

Wea. SATURDAY 19 Ther.

Wea. SUNDAY 20 Ther.

Wea. MON. SEPT. 21, 1896 Ther.

Wea. TUESDAY 22 Ther.

Wea. WEDNESDAY 23 Ther.



Wea.

THUR. SEPT. 24, 1896

Ther.

Wea.

FRIDAY 25

Ther.

Wea.

SATURDAY 26

Ther.

Wea.

SUN. SEPT. 27, 1896

Ther.

Wea.

MONDAY 28

Ther.

Wea.

TUESDAY 29

Ther.



Wea.

WED. SEPT. 30, 1896

Ther.

Wea.

THUR. OCT. 1

Ther.

Wea.

FRIDAY 2

Ther.

Wea.

SAT. OCT. 3, 1896

Ther.

Wea.

SUNDAY 4

Ther.

Wea.

MONDAY 5

Ther.



Wea. TUES. OCT. 6, 1896 Ther.

Wea. WEDNESDAY 7 Ther.

Wea. THURSDAY 8 Ther.

Wea. FRI. OCT. 9, 1896 Ther.

Wea. SATURDAY 10 Ther.

Wea. SUNDAY 11 Ther.





Wea. MON. OCT. 12, 1896 Ther.

Wea. THUR. OCT. 15, 1896 Ther.

Wea. TUESDAY 13 Ther.

Wea. FRIDAY 16 Ther.

Wea. WEDNESDAY 14 Ther.

Wea. SATURDAY 17 Ther.



Wea. SUN. OCT. 18, 1896 Ther.

Wea. MONDAY 19 Ther.

Wea. TUESDAY 20 Ther.

Wea. WED. OCT. 21, 1896 Ther.

Wea. THURSDAY 22 Ther.

Wea. FRIDAY 23 Ther.





Wea. SAT. OCT. 24, 1896 Ther.

Wea. TUES. OCT. 27, 1896 Ther.

Wea. SUNDAY 25 Ther.

Wea. WEDNESDAY 28 Ther.

Wea. MONDAY 26 Ther.

Wea. THURSDAY 29 Ther.



Wea. FRI. OCT. 30, 1896 Ther.

Wea. SATURDAY 31 Ther.

Wea. SUN. NOV. 1 Ther.

Wea. MON. NOV. 2, 1896 Ther.

Wea. TUESDAY 3 Ther.

Wea. WEDNESDAY 4 Ther.





Wea. THUR. NOV. 5, 1896 Ther.

Wea. SUN. NOV. 8, 1896 Ther.

Wea. FRIDAY 6 Ther.

Wea. MONDAY 9 Ther.

Wea. SATURDAY 7 Ther.

Wea. TUESDAY 10 Ther.



Wea. WED. NOV. 11, 1896 Ther.

Wea. THURSDAY 12 Ther.

Wea. FRIDAY 13 Ther.

Wea. SAT. NOV. 14, 1896 Ther.

Wea. SUNDAY 15 Ther.

Wea. MONDAY 16 Ther.





Wea. TUES. NOV. 17, 1896 Ther.

Wea. WEDNESDAY 18 Ther.

Wea. THURSDAY 19 Ther.

Wea. FRI. NOV. 20, 1896 Ther.

Wea. SATURDAY 21 Ther.

Wea. SUNDAY 22 Ther.





Wea. MON. NOV. 23, 1896 Ther.

Wea. TUESDAY 24 Ther.

Wea. WEDNESDAY 25 Ther.

Wea. THUR. NOV. 26, 1896 Ther.

Wea. FRIDAY 27 Ther.

Wea. SATURDAY 28 Ther.





Wea. SUN. NOV. 29, 1896 Ther.

Wea. MONDAY 30 Ther.

Wea. TUES. DEC. 1 Ther.

Wea. WED. DEC. 2, 1896 Ther.

Wea. THURSDAY 3 Ther.

Wea. FRIDAY 4 Ther.





Wea.

SAT. DEC. 5, 1896

Ther.

Wea.

TUES. DEC. 8, 1896

Ther.

Wea.

SUNDAY 6

Ther.

Wea.

WEDNESDAY 9

Ther.

Wea.

MONDAY 7

Ther.

Wea.

THURSDAY 10

Ther.



Wea.

THUR. DEC. 17, 1896

Ther.

Wea.

FRIDAY 18

Ther.

Wea.

SATURDAY 19

Ther.

49.36  
 41.80  
 -----  
 54.15



Wea.

15  
3/4  

---

45  
1

150

.72  
.57  
.50  
1.89  
2.10  
1.60

52  
25  

---

125

Wea.

---

7.36

Wea



Vijobly -

Cesta do Cedar Rapids \$1.00 ✓  
 Telegram do Chicago .30 ✓  
 Hotel v. C. Rapids <sup>Marion</sup> 1.00  
 Cesta do Marion .15  
 " " Oxford June. 1.05

~~of Oxford Junction doibing 2.33~~

1.00		6.75 ✓
1.00		1.50
.15	17.39	1.00
2.10	11.00	9.25
	18.39	6.64
\$4.15		1.50

From Oxford June. to Marion \$1.05  
 Hotel - Marion 1.00  
 Fare to Vining - 1.28  
 " from " to Marion 1.28  
 Lunch Marion .10  
 Fare to Cedar Rapids .15  
 Hotel - Cedar Rapids .95

Fare to Chicago \$6.75 9.06  
 → 0.06

Wea. SUN. DEC. 20, 1896 Ther.

Wea. MONDAY 21 Ther.

Wea. TUESDAY 22 Ther.



Wea. WED. DEC. 23, 1896 Ther.

Wea. THURSDAY 24 Ther.

Wea. FRIDAY 25 Ther.

Wea. SAT. DEC. 26, 1896 Ther.

Wea. SUNDAY 27 Ther.

Wea. MONDAY 28 Ther.



Wea.

TUES. DEC. 29, 1896

Ther.

MEMORANDA

Wea.

WEDNESDAY 30

Ther.

Wea.

THURSDAY 31

Ther.



ADDRESSES

Name

Residence

ADDRESSES

Name

Residence





## MEMORANDA

Likely collecting ground  
Valley Junction - (beyond Des Moines).  
Bluffs river south. Timber.

Booneville - Timber & hills.

Van Meter is even better.

Casey has groves in vicinity,  
and both prairie & rolling timber-  
land. Looks favorable

Arvita - Bluffs & woods

## MEMORANDA

Send Urms to  
Dr. Kauffman  
Omaha,  
Iowa.

Daemonelex - Prof.  
Barber wishes to  
exchange for *Munetilia*.

Dr. Aug. G. Philbrick  
Lincoln  
Nebr.

Wm. G. Stamm  
1900 ~~1901~~ J. Street.  
Lincoln, Neb.

Pan Jos. Příbyl  
Delnické Listy  
Omaha, I. Neb.



## MEMORANDA

Konvalinka estate

Marika's note paid Apr. 25-'96

Received from Baku &amp; Ball,

Apr. 28      \$ 57.00

Their fee      10.00

\$ 67.00

Deposited \$50.00 for 6 mos.

Assigned deposit of \$50.00

to Frank Konvalinka

August 27-1896 - Loan -

## MEMORANDA



MEMORANDA

Date

Dolls. Cts.

MEMORANDA

Date

Dolls. Cts.









NOTES AND BILLS

PAYABLE

Date

To whom given

Time

No.

Where Payable

Due

Amount





NOTES AND BILLS

PAYABLE

Date

To whom given

Time

No.

Where Payable

Due

Amount

















Muscatine trip - July 31-Aug. 3

CASH ACCOUNT - APRIL

Date	Received	Paid
Hack <sup>25</sup>		25
Fare to Muscatine	1.23	
Dinner <sup>25</sup> jam <sup>20</sup>	.45	
Boxes, papers, time <sup>5</sup> <sup>10</sup> <sup>15</sup>	.30	
Oil Pennycuik <sup>20</sup>	.20	
Steam boat fare & stuff	1.00	
Post-hire 4 days	1.00	
Hotel & help for bag.	.75	
Fare to Iowa City	1.25	
Hack	.25	
	\$ 6.68	
Board	5.00	
	11.68	
Fare Meyer	2.50	
	14.18	
\$ 14.18		
.70		
5.20		
2.00 Mis. exp.		
2.95 Grants		
<u>25.03</u>		

CASH ACCOUNT - APRIL

Date	Received	Paid
<u>Ia. Bridge</u> July 5		
Postage, paper & meal	.20	
	.50	
	.70	
<u>Des Moines</u> July 6-7		
Board & lodging	2.00	
Boys' Carpet for 60	80	
Wine <sup>15</sup> , Baskets <sup>10</sup>	.25	
lunch & supper	.75	
Fare to & from High Ridge	40	
	\$ 5.20	
	11.68	
	5.20	
	2.95	
\$ 19.83		
2.50		
<u>22.33</u>		











CASH ACCOUNT — JULY

CASH ACCOUNT — JULY

Date                      Received                      Paid

Date                      Received                      Paid





CASH ACCOUNT — AUGUST

CASH ACCOUNT — AUGUST

Date	Received	Paid
------	----------	------

Date	Received	Paid
------	----------	------

412 Ave. Wash. Pa.  
106-10.7, Can. W.

Kewanee, Wis.  
Podobryz

J. J. Vlach - Milwaukee

J. J. Wattson - Kewanee

Wapak from Pa.

Cesta to Ft. Dodge

Iowa City - Des Moines	\$	3.65
Des Moines - Ft. Dodge		3.55
Des Moines to Iowa City		3.65
Dinner & lunch Des Moines		.75
Hotel at Ft. Dodge		2.50







CASH ACCOUNT — OCTOBER

CASH ACCOUNT — OCTOBER

Date	Received	Paid
Longin Lima 649 N. Humboldt St. Chicago		
Podolizny celebrating		
Jan Thursty Jobizny		
Stepf Podolizny		
Vojt. Cizik 2714-12 <sup>th</sup> St., Tacoma Wash.		

Date	Received	Paid
Mr. S. A. Swisher Chicago Life	22.56	
#5 Ordway Life	\$21.92	\$2.000
20 Paid	29.97	\$1.000
Pay 35 into reserve	29.38	
J. H. Schuette Green Bay B. T. A. Wis.		
Wishes ex. Send list.		
" " European plants		
" Bulletin		
Roses		
Anna + Paula Gibes Cleveland, O. Svagnir br. Fr. Hrubchicko.		



or Prof. Catlin - \$17.<sup>10</sup>

CASH ACCOUNT - NOVEMBER

Date	Received	Paid
Fare to St. Paul		8.20
At St. Paul - Paper & boxes		.25
At Mason City		
Boxes		.20
Ink		.15
Jars		.15
Paper		.10
Carpet-paper		.75
Transportation to Hackberry		1.00
At Clear Lake:		
Paper		.10
Boat		1.00
Transportation to & from		1.50
At Mason City		
Pipe-tongs		1.65
Canvas for pipe-cover		.25
Fare to Garner Hack		.72
" " Forest City Hack		.57
Forest City Hack		.25
Box Paper		.10
		9.44

1.10  
1.50  
2.30  
2.80  
3.15  
3.45

CASH ACCOUNT - NOVEMBER

Date	Received	Paid
Carpet-paper <sup>60</sup> oil <sup>5</sup>		1.65
Muslin <sup>20</sup> blue <sup>10</sup>		.30
Board 1 wh.		6.00
Hack <sup>25</sup> Fare to Armstrong <sup>1.12</sup>		1.87
Lake Mills fare		.48
Board		2.00
Fare to Forest City		.48
Spirit Lake		
Boat <sup>75</sup> Paper <sup>60</sup>		1.35
Boxes <sup>10</sup> Board <sup>4.75</sup>		4.85
Dinner at Estherville		.50
Croquet <sup>2.75</sup>		2.75
Onaboji - Boat <sup>50</sup> Dinner <sup>25</sup>		.75
Hack <sup>25</sup> Boxes <sup>15</sup>		.40
Fare to Rock Rapids		2.10
Fare to & from Granite <sup>1.05</sup>		1.60
Carpet paper <sup>20</sup> Paper <sup>20</sup>		1.45
Boxes <sup>20</sup> Ink <sup>15</sup>		.35
Dinner at Granite		.25
Dinner <sup>25</sup> Supper <sup>20</sup> Breakfast <sup>30</sup>		.75
Fare to Shimlar		.92
" " Rock Rapids		.73
Boxes <sup>20</sup> Paper <sup>20</sup>		.40
Little Lake <sup>4.50</sup> Hack <sup>25</sup>		4.75
Fare to Cedar Rapids		8.68
Supper <sup>30</sup> Dinner <sup>70</sup> Mason City		1.00
		27.78
		67.42

9.44

9.44  
27.78  
67.42



CASH ACCOUNT — DECEMBER

Date	Received	Paid
Rent paid until July 1-1896 + 2 mos		
until Sep. 1- + 2 mos.		
		until Nov. 1.
A. J. Cijka		
2305 - S. Jefferson Ave.		
St. Louis, Mo.		
Mildmay pro cyclonem postquam		
Jos. Mikulic's Ovatoma		
Wants photo. Mar. 1		
will send		

CASH ACCOUNT — DECEMBER

Date	Received	Paid
Look up Asplenium reptans		
Europe for Cratty		
Agolla - send good fruiting spec. to Cratty		
Report on white branching Aster which we collected last year		
Bell-glass for Selaginella		
Report on Ferns, gas orchy.		
Send list of Emmet Co. plants		
Set N. Am. Specimens of Sagittaria & Lophotocarpus J. G. Smith		
Set the Contributions from U.S. Nat. Herbarium		

1894  
 see how many we have.



SUMMARY

Date	Received	Paid
Cash on hand Jan. 1		
JANUARY		
FEBRUARY		
MARCH		
APRIL		
MAY		
JUNE		
JULY		
AUGUST		
SEPTEMBER		
OCTOBER		
NOVEMBER		
DECEMBER		
Total		
Balance to new account		

B. P. Letovsky  
 zbyti - \$ 2.80  
 3 měsice 5.25  
8.05

1.75  
 3  
45.25  
 8.00 - work 2.00 -  
 50 - " 1.00 -  
 zapluceno ve odhyci  
 17 kvetna 1.00

Ap. V  
 delni  
 mlyni



Aug. 26. Des Moines

93 counties

986 delegates.

734 another figure -  
probably those  
present.

McCrooy

S. H. Swisher

Grant.

Dr. J. L. Murphy

B. S.

Mr. Fadden

Mr. Nelson

438 Superior str.

239 Summit Ave.

*Przejscie do Wolobizna.*

*Frank J. Tesar,*

MUSICIAN,

830 SOUTH CALIFORNIA AVENUE,

3356 Chicago Ave.,

CHICAGO.

MINNEAPOLIS.

it is th

F. I

©

y er ot s r p h be ss



Aug. 26 Des Moines

ms  
25

93 counties  
986 delegates  
734 another figure -  
probably those  
present

J. F. Stepinac  
658 Loomis St.  
Chicago, Ill.

161-51

Tax

City \$27.85  
E. Lucas .29

4

27.85  
2.04  
25.81  
8 12.91  
29  
\$13.20

McLroy  
L. A. Swisher  
Grant  
Dr. J. C. Murphy  
B. S.  
Mr. F. Adair  
Geo. Nelson

438 Superior St.

239 Summit Ave.



Préje si Podobizna.

Frank J. Tesar,

MUSICIAN,

830 SOUTH CALIFORNIA AVENUE,

CHICAGO.



**John Vasatka,**

**Florist Landscape Gardner.**

All Kinds of Bedding Plants, Cut Flowers, Boquets  
for Weddings, Parties and Funerals  
on Short Notice.

**3356 Chicago Ave.,**

**MINNEAPOLIS.**



F. P. HOPKINS.

J. J. VLACH.

HOPKINS & VLACH,

 LAWYERS,

ROOMS 3 AND 4.

....278 THIRD STREET,

Deutsche Advokaten.

MILWAUKEE.



Iowa City Public Library.

\$ 5

IOWA CITY, IOWA, JAN. 30 1897 189

Received from P Shimes

FIVE # DOLLARS,

For To apply on library Sub

Geo Sumner Treasurer.

No. 91 By

A C Howell



T. H. MACBRIDE.  
B. SHIMEK.  
C. L. SMITH,—NICARAGUA.  
M. P. MACBRIDE,—BOTANICAL ARTIST.  
ELINOR DUBAL.

STATE UNIVERSITY OF IOWA.  
BOTANY.

IOWA CITY,.....189.....

Pipe-tongs	1 pair	—	\$ 1.65
Canvas for cover	—	—	.25
Oil	5	1.60	1.65
Fare to & from Granite			1.60
Box <sup>10</sup> - Team		1.50	



Board	Fare	Supplies
8.00	8.20	.25
5.25	1.29	.60
.25	3.70	.75
<del>3.70</del>		.10
.25		<del>1.25</del>
<del>75.</del>		.96

1.65  
40

Fare -

Board & Lodging

Supplies

Other transportation	1.00	50
Boats etc.	2.50	25
	.25	
	<del>1.00</del>	
	.75	

Amount - \$ 2.75

1.87  
.70  
.15  
1.66  
~~1.75~~




*P. Shimer*  
*Iowa City Iowa*

IS ENTITLED TO DRAW BOOKS FROM THE  
**Iowa City Public Library**

*NOTICE.*—*The Guaranty upon which this card is issued must be renewed at the expiration of two*

*years from* **JAN. 21 1897** *189.....*  
*or sooner if required.*

 This card must be presented whenever a book is taken, returned or renewed. The person above named is responsible for all books taken on this card. **If lost, this card will not be replaced until two weeks after notice of the loss is given.** A change of residence of borrower or guarantor must be immediately reported.

**EXTRACTS FROM RULES.**

1. No book shall be retained from the Library longer than two weeks without renewal under penalty of five cents for each day such book is kept overtime.

2. A book may be once renewed for two weeks.

3. For turning down leaves, marking, or otherwise injuring a book, the holder may be fined up to the full value of a book, or set of books to which it may belong.

4. On return of old ticket a new one will be issued. Twenty-five cents will be charged unless the old one is returned:



TAKEN

RETURNED

TAKEN

RETURNED

JAN 30

FEB 10

B 10

MAR 2



