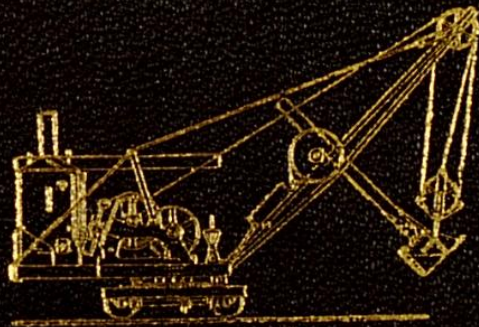


1909

COMPLIMENTS OF
THE
VULCAN STEAM SHOVEL
COMPANY
TOLEDO, OHIO



YEARLY CALENDAR, 1909.

JANUARY—1909.

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

FEBRUARY—1909.

S	M	T	W	T	F	S
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	..	..	..	..	..	..

MARCH—1909.

S	M	T	W	T	F	S
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..

APRIL—1909.

S	M	T	W	T	F	S
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	..
..

MAY—1909.

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

JUNE—1909.

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	..	..

JULY—1909.

S	M	T	W	T	F	S
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..

AUGUST—1909.

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..

SEPTEMBER—1909.

S	M	T	W	T	F	S
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	..	..

OCTOBER—1909.

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

NOVEMBER—1909.

S	M	T	W	T	F	S
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..

DECEMBER—1909.

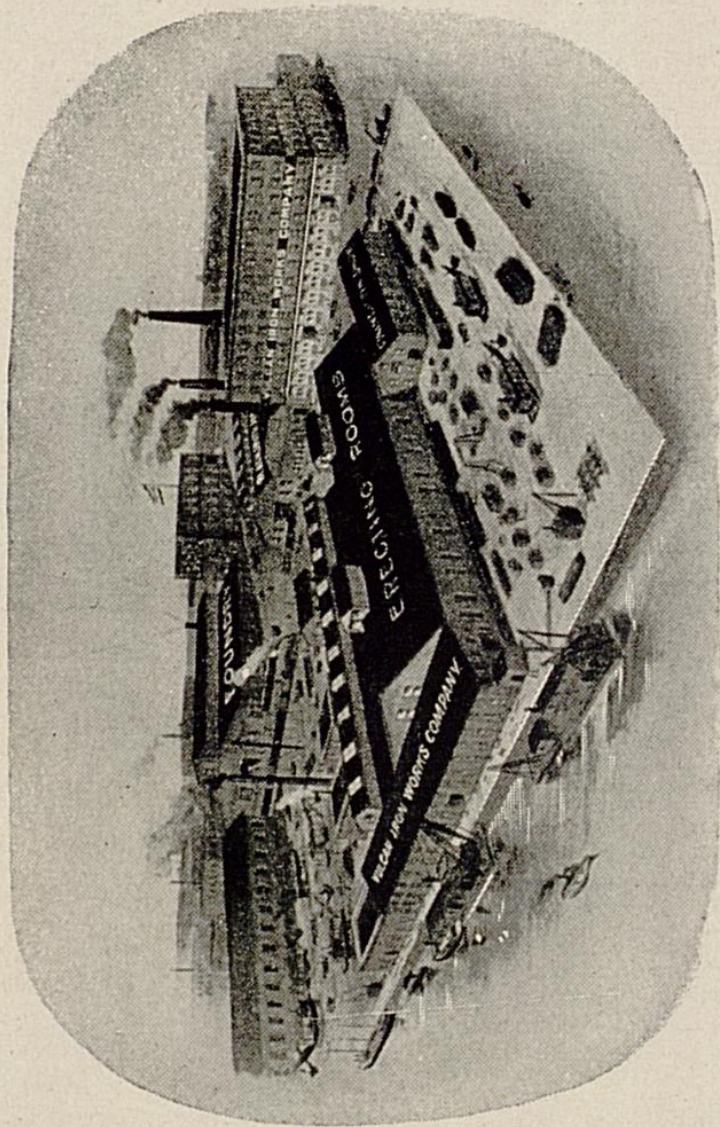
S	M	T	W	T	F	S
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..

1909

COMPLIMENTS OF
THE
VULCAN STEAM
SHOVEL COMPANY
TOLEDO, OHIO



MANUFACTURERS OF
STEAM AND ELECTRIC
POWER SHOVELS



OFFICE AND WORKS OF
THE VULCAN STEAM
SHOVEL COMPANY

TOLEDO, OHIO

VULCAN
STEAM AND ELECTRIC
POWER SHOVELS
BUILT IN THE FOLLOWING SIZES

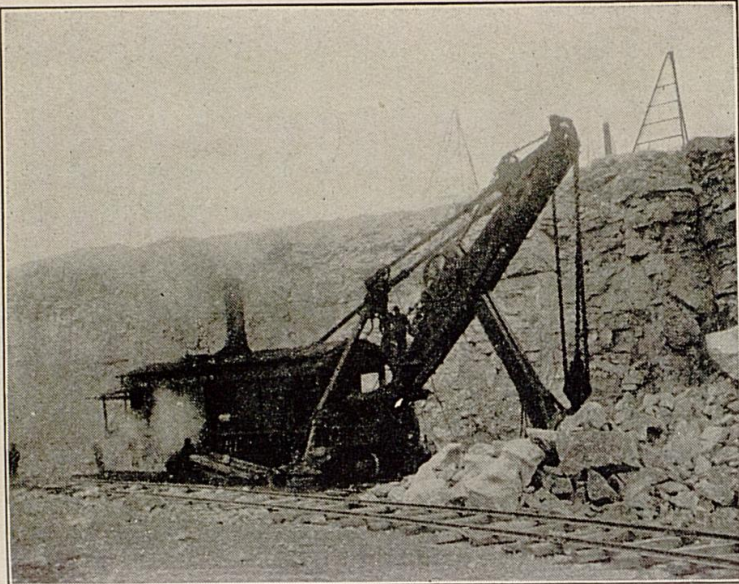
STYLE	Shipping Weight Tons	Dipper Capacity Cu. Yds.
Giant A,	115	5
Giant C,	95	3½
Giant D,	75	2½
Giant E,	65	2
Giant F,	45	1½
Little Giant Standard, .	30	1¼
Little Giant Special, . .	32	1¼
Little Giant Trench, . .	30	1
Little Giant Tunnel, . .	35	1
Baby Giant Standard, .	20	¾
Baby Giant Special, . .	22	¾
No. 0 Revolving,	15	½
No. 1 Standard Revolving	25	¾ to 1
No. 1 Special Revolving,	27	¾ to 1
No. 2 Revolving,	35	1¼ to 1½

Complete specifications and data furnished on application.

Prospective purchasers should give full information of class of work, conditions, and kind of material to be handled, capacity required, and, in trench excavation, width of berm, depth of channel, etc.

**THE VULCAN STEAM
SHOVEL CO.**

TOLEDO, OHIO, U. S. A.



GIANT CLASS "A"

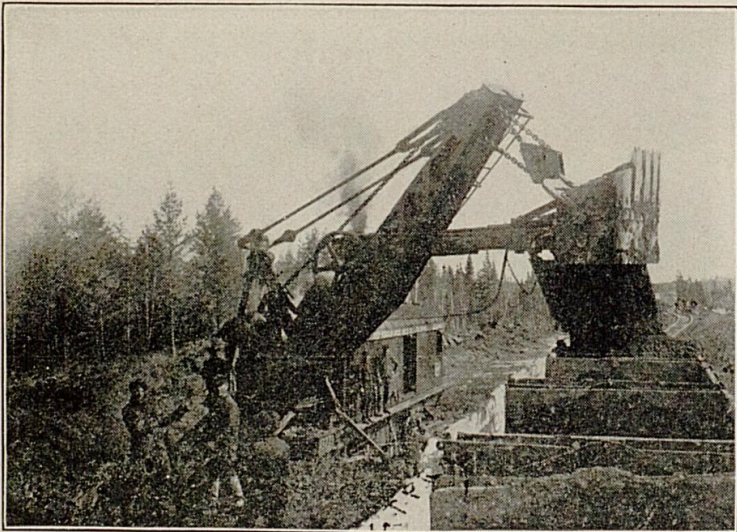
115 TONS

5 CUBIC-YARD DIPPER

Loading blasted rock for less
than 4 cents per ton.

Owned and operated by
THE SIBLEY QUARRY CO.

Sibley, Mich.



GIANT CLASS "C"

95 TONS

3½ CUBIC-YARD DIPPER

Cutting through hard clay and
hardpan on the Grand Trunk
Pacific Railroad.

Owned and operated by
CORBETT & FLOESCH
Moncton, N. B.



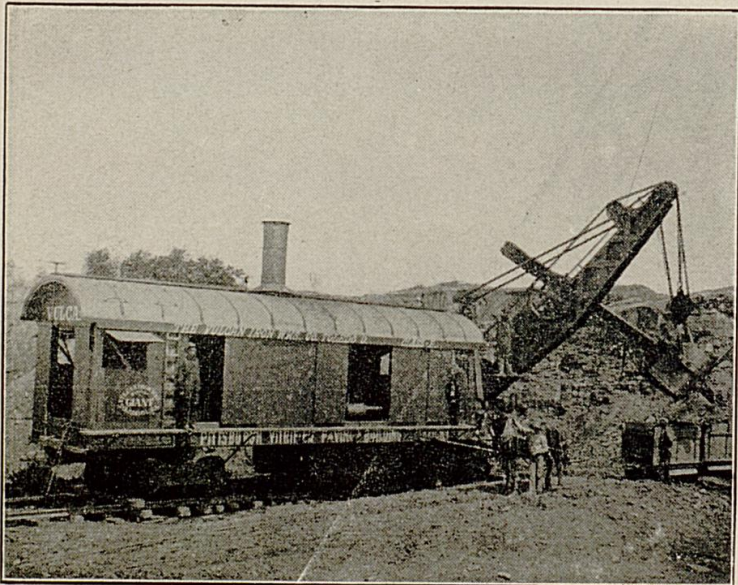
GIANT CLASS "D"

75 TONS

2½ CUBIC-YARD DIPPER

Making a rock cut on the Atlanta, Birmingham & Atlantic Railway.

Owned and operated by
TALLADEGA
CONSTRUCTION CO.
Talladega, Ala.



GIANT CLASS "E"

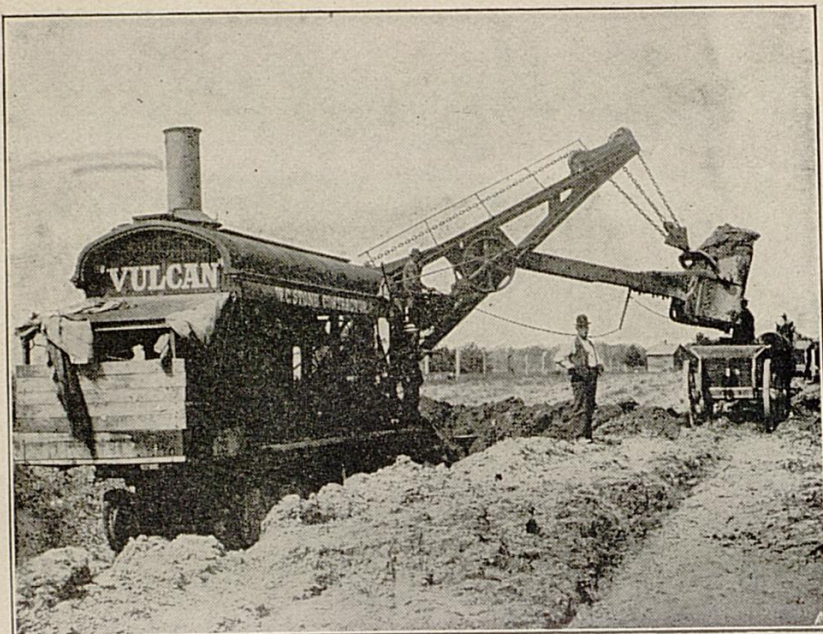
65 TONS

2 CUBIC-YARD DIPPER

Digging hard shale for brick and
tile-making purposes.

Owned and operated by
THE PITTSBURG VITRIFIED
PAVING AND BUILDING
BRICK CO.

Pittsburg, Kansas



GIANT CLASS "F"

45 TONS

1½ CUBIC-YARD DIPPER

Making a cut through hard clay
on the Lima & Toledo Electric
Road.

Owned and operated by
W. C. STONE
Toledo, Ohio

PERSONAL.

My Name is _____

My residence is _____

My business address is _____

In case of accident, please notify

Remarks: _____

THE RURAL FREE DELIVERY SYSTEM

is gradually being extended to every part of the United States, especially in territory surrounding large cities.

Each person desiring rural free delivery service must erect, at his own cost, a box approved by the Postmaster-General.

More than one family, but not more than five, may be permitted to use the same box, provided that written notice of agreement to that effect, signed by the head of each family, is filed with the postmaster at the distributing office.

PARCELS-POST

Parcels may now be sent to and from the United States, Porto Rico, The Philippines, Guam, and the Canal Zone by mail to the following countries, provided the greatest length of the package does not exceed 3 feet 6 inches, and the greatest length and girth combined does not exceed 6 feet; greatest weight allowable, 11 lbs.

Bahamas.

Barbados.

Chile.

*Columbia.

*Costa Rica.

The Danish West Indies.

Honduras (British).

Jamaica, including the Turks and Caicos Is.

Leeward Islands (Antigua, with Barbuda, and Redonda, St. Kitts, Nevis with Anguilla, Dominica, Monserrat and the Virgin Is.).

†*Mexico.

Salvador.

British Guiana.

Windward Islands (Grenada, St. Vincent, the Grenadines, and St. Lucia).

Newfoundland.

Honduras (Republic of).

Trinidad, including Tobago.

Ecuador. Bermuda.

**Germany. Denmark.

Guatemala. Nicaragua.

New Zealand, including Fanning Island.

Venezuela. Bolivia.

**Hong-Kong and some other cities in China.

**Japan, including Korea and Formosa.

**Norway. **Belgium.

Peru. **Great Britain.

**Australia. **Sweden.

Postage for a parcel not exceeding 1 lb., 12c., and 12c. for every additional pound or fraction thereof in all cases, except Chile, Ecuador, and Bolivia, in which cases it is 20c. per lb. and 20c. for every additional lb. or fraction thereof.

* Greatest length, 2 ft.; greatest girth (length and girth combined not considered), 4 ft.

† Weight limited to 4 lb. 6 oz.; 11 lbs. accepted in some of the larger places.

** Greatest weight, 4 lb. 6 oz., and must not exceed in value \$50 each.

DOMESTIC POSTAGE

FIRST-CLASS MATTER (Letters, etc.).....	2c. an oz.
SECOND-CLASS (Newspapers and Periodicals).....	1c. for 4 oz.
THIRD-CLASS (Books, Circulars).....	1c. for 2 oz.
FOURTH-CLASS (Merchandise).....	1c. an oz.
REGISTRATION FEE (additional postage).....	8c.
SPECIAL DELIVERY (additional to regular postage)	10c.
MONEY ORDER (\$1 to \$100).....	3c. to 30c.

(See below for Explanations and Exceptions.)

FIRST-CLASS MATTER.—Letters and all other written matter (whether sealed or not), excepting manuscript copy accompanying proof-sheets, also all matter sealed (see below), 2 cents an ounce, excepting drop letters at NON-CARRIER offices, 1 cent an ounce. Postal Cards, 1 cent each. Post Cards (private mailing cards), 1 cent each.

SECOND-CLASS.—Newspapers and periodicals, published quarterly and oftener, and not for gratuitous distribution. The general public pay by affixing stamps at the rate of 1 cent for each 4 ounces or part thereof when not sealed.

THIRD-CLASS.—Books (printed, not blank), circulars, other printed matter, proof-sheets and manuscript copy accompanying same, valentines, sheet-music, photographs, heliotypes, chromos, posters, lithographs and printed advertising matter on paper only—all, when not sealed, 1 cent for 2 ounces or fraction. Limit of weight, 4 pounds.

FOURTH-CLASS.—Merchandise and samples, blank books and paper; ores; all matter not included in any of the other classes, and not in its nature perishable or liable to injure the contents of the mails. (By express ruling the postage on seeds, cuttings, roots, scions, and plants is at the rate of 1 cent for each 2 ounces.) All, when not sealed, and not exceeding 4 pounds in weight, 1 cent an ounce, or fraction.

Third and fourth-class mail matter may now be forwarded without postage stamps affixed in lots of two thousand or more identical pieces; certain regulations are to be complied with, and postage prepaid in cash.

SEALING.—Any matter is regarded as sealed when it is not so wrapped as to allow of a thorough examination without in any way injuring the wrapping.

REGISTRATION.—All classes of mail matter may be registered at any Post-office by affixing 8 cents in stamps in addition to the regular postage.

MONEY ORDER RATES

Sums not exceeding \$2.50.....	3c.
Over \$ 2.50 and not exceeding \$ 5.00.....	5c.
Over \$ 5.00 and not exceeding \$ 10.00.....	8c.
Over \$10.00 and not exceeding \$ 20.00.....	10c.
Over \$20.00 and not exceeding \$ 30.00.....	12c.
Over \$30.00 and not exceeding \$ 40.00.....	15c.
Over \$40.00 and not exceeding \$ 50.00.....	18c.
Over \$50.00 and not exceeding \$ 60.00.....	20c.
Over \$60.00 and not exceeding \$ 75.00.....	25c.
Over \$75.00 and not exceeding \$100.00.....	30c.

Postage to Canada, Cuba, Panama, and Mexico.—

Mail matter of all kinds addressed for delivery in Canada, Cuba, Panama, and Mexico is admitted to the mails at domestic postage rates and conditions, except commercial papers and bona fide trade samples, which are admitted at a rate of 2 ounces for 1 cent, if not weighing over 12 ounces. Seeds, bulbs, scions, and plants for Canada must be prepaid at a rate of 1 cent per ounce, or fraction of an ounce; and packages of salable merchandise for Mexico should be sent by parcels post. Limit of weight of second and third-class matter to Mexico is 4 pounds 6 ounces.

POSTAGE TO PORTO RICO, PHILIPPINES, GUAM, Etc.—Same as domestic.

FOREIGN POSTAGE

The rates in the case of all foreign countries (except Canada, Cuba, Panama, Mexico, Great Britain and Ireland) are as follows: Letters, 5 cents for first ounce or fraction, and 3 cents for each additional ounce or fraction; printed matter, per 2 ounces, 1 cent; postal cards, 2 cents each. Letter rates to Great Britain and Ireland, 2c. an oz.

Postal Distances and Time From New York City.

As indicated by the Official Postal Guide, showing the distance by shortest routes and time in transit by fastest mail trains from New York City.

CITIES IN UNITED STATES	MILES	HOURS
Albany, N. Y.....	142	3½
Atlanta, Ga.....	882	24¼
Baltimore, Md.....	188	6
Bismarck, N. Dak.....	1,738	60½
Boise, Idaho.....	2,736	92½
Boston, Mass.....	213	6
Buffalo, N. Y.....	410	9½
Carson City, Nev.....	3,036	109¼
Charleston, S. C.....	804	21¼
Chattanooga, Tenn.....	853	32
Cheyenne, Wyo.....	1,899	54
Chicago, Ill.....	900	24
Cincinnati, Ohio.....	744	23
Cleveland, Ohio.....	568	19½
Columbus, Ohio.....	624	20
Concord, N. H.....	292	9½
Denver, Col.....	1,930	61½
Des Moines, Iowa.....	1,257	37½
Detroit, Mich.....	743	21
Galveston, Tex.....	1,789	56½
Harrisburg, Pa.....	182	6
Hartford, Conn.....	112	4
Helena, Mont.....	2,423	86
Hot Springs, Ark.....	1,367	55
Indianapolis, Ind.....	808	23
Jacksonville, Fla.....	1,077	30
Kansas City, Mo.....	1,302	38¼
Louisville, Ky.....	854	30
Memphis, Tenn.....	1,163	40
Milwaukee, Wis.....	985	29¼
Minneapolis, Minn.....	1,308	38
Montgomery, Ala.....	1,057	26
Montpelier, Vt.....	327	10¼
New Orleans, La.....	1,344	32
Omaha, Neb.....	1,383	43
Philadelphia, Pa.....	90	3
Pittsburg, Pa.....	431	13
Portland, Me.....	325	12
Portland, Ore.....	3,181	114½
Prescott, Ariz.....	2,724	94
Providence, R. I.....	189	5
Richmond, Va.....	344	11¼
St. Louis, Mo.....	1,048	29
St. Paul, Minn.....	1,300	37
Salt Lake City, Utah.....	2,452	71½
San Francisco, Cal.....	3,250	105
Santa Fé, N. Mex.....	2,173	82
Savannah, Ga.....	905	26¼
Seattle, Wash.....	3,200	102
Tacoma, Wash.....	3,209	102
Topeka, Kan.....	1,370	48
Trenton, N. J.....	57	2
Vicksburg, Miss.....	1,288	50
Washington, D. C.....	228	6
Wheeling, W. Va.....	496	14¼
Wilmington, Del.....	117	5
Wilmington, N. C.....	593	20

SUN AND MOON, 1909

1909.	* MOON'S PHASES				† SUN	
		d.	h.	m.	Rises h. m.	Sets h. m.
JANUARY.	○	6	9	13 M.	7 25	4 48
	☾	14	1	11 A.	7 23	4 56
	☾	21	7	12 A.	7 19	5 4
	☾	28	10	7 M.	7 14	5 13
FEBRUARY.	○	5	3	25 M.	7 7	5 22
	☾	13	7	47 M.	6 57	5 32
	☾	20	5	52 M.	6 48	5 41
	☾	26	9	49 A.	6 39	5 48
MARCH.	○	6	9	56 A.	6 27	5 57
	☾	14	10	42 A.	6 14	6 5
	☾	21	3	11 A.	6 3	6 13
	☾	28	11	49 M.	5 51	6 20
APRIL.	○	5	3	28 A.	5 38	6 28
	☾	13	9	30 M.	5 25	6 37
	☾	19	11	51 A.	5 16	6 43
	☾	27	3	36 M.	5 4	6 51
MAY.	○	5	7	8 M.	4 54	7 0
	☾	12	4	45 A.	4 46	7 7
	☾	19	8	42 M.	4 40	7 13
	☾	26	8	28 A.	4 34	7 19
JUNE.	○	3	8	25 A.	4 30	7 26
	☾	10	9	42 A.	4 28	7 30
	☾	17	6	28 A.	4 28	7 33
	☾	25	1	43 A.	4 30	7 35
JULY.	○	3	7	17 M.	4 33	7 34
	☾	10	1	58 M.	4 38	7 32
	☾	17	5	44 M.	4 42	7 29
	☾	25	6	45 M.	4 49	7 23
AUGUST.	○	1	4	14 A.	4 56	7 16
	☾	8	7	10 M.	5 2	7 8
	☾	15	6	55 A.	5 9	6 59
	☾	23	10	55 A.	5 17	6 47
	○	31	0	8 M.	5 25	6 35
SEPTEMBER.	☾	6	2	44 A.	5 31	6 25
	☾	14	10	9 M.	5 39	6 12
	☾	22	1	31 A.	5 47	5 58
	○	29	8	5 M.	5 54	5 46
OCTOBER.	☾	6	1	44 M.	6 1	5 35
	☾	14	3	13 M.	6 9	5 22
	☾	22	2	3 M.	6 18	5 10
	○	28	5	7 A.	6 25	5 2
NOVEMBER.	☾	4	4	38 A.	6 33	4 54
	☾	12	9	18 A.	6 43	4 45
	☾	20	0	29 A.	6 53	4 39
	○	27	3	52 M.	7 0	4 35
DECEMBER.	☾	4	11	12 M.	7 7	4 33
	☾	12	2	59 A.	7 15	4 33
	☾	19	9	18 A.	7 20	4 35
	○	26	4	30 A.	7 23	4 39

* Moon's Phases given in Eastern Standard Time.
M. signifies Morning; A. signifies Afternoon.
† Sun rise and set given in New York mean time.
○ Full Moon; ☾ Last Qr.; ☾ New Moon; ☾ First Qr.

UNITED STATES CENSUS 1900
AND ESTIMATED POPULATION FOR 1908.
STATES AND TERRITORIES.
ARRANGED IN ALPHABETICAL ORDER.

<i>Area, Sq. Mls.</i>	<i>States and Territories.</i>	<i>Pop. 1900.</i>	<i>Estim't'd Pop. 1908</i>	<i>Mem- bers.</i>	<i>Elec- tors.</i>	<i>Dele- gates.</i>
51,998	Alabama.....	1,828,697	2,250,000	9	11	22
590,884	Alaska.....	63,592	125,000	.....	.....	.....
113,956	Arizona.....	122,931	185,000	.....	.....	2
53,335	Arkansas.....	1,311,564	1,750,000	7	9	18
158,297	California.....	1,485,053	2,000,000	8	10	20
103,948	Colorado.....	539,700	800,000	3	5	10
4,965	Connecticut....	908,420	1,010,000	5	7	14
2,370	Delaware.....	184,735	190,000	1	3	6
70	Dist. of Col'mbia	278,718	330,000	.....	.....	2
58,666	Florida.....	528,542	650,000	3	5	10
59,265	Georgia.....	2,216,331	2,600,000	11	13	26
6,449	Hawaii.....	154,001	192,000	.....	.....	2
84,313	Idaho.....	161,772	300,000	1	3	6
56,665	Illinois.....	4,821,550	5,590,000	25	27	54
36,354	Indiana.....	2,516,462	2,678,492	13	15	30
56,147	Iowa.....	2,231,853	2,216,068	11	13	26
82,158	Kansas.....	1,470,495	1,680,000	8	10	20
40,598	Kentucky.....	2,147,174	2,435,000	11	13	26
48,506	Louisiana.....	1,381,625	1,700,000	7	9	18
33,040	Maine.....	694,466	731,760	4	6	12
12,327	Maryland.....	1,188,044	1,441,602	6	8	16
8,266	Massachusetts..	2,805,346	3,178,487	14	16	32
57,980	Michigan.....	2,420,982	2,655,463	12	14	28
84,682	Minnesota.....	1,751,394	2,200,000	9	11	22
46,865	Mississippi.....	1,551,270	1,750,000	8	10	20
69,420	Missouri.....	3,106,665	3,885,989	16	18	36
146,572	Montana.....	243,329	275,000	1	3	6
77,520	Nebraska.....	1,066,300	1,225,000	6	8	16
110,690	Nevada.....	42,335	65,000	1	3	6
9,341	New Hampshire	411,588	443,700	2	4	8
8,224	New Jersey.....	1,883,669	2,294,413	10	12	24
122,634	New Mexico.....	195,310	302,000	.....	.....	2
49,204	New York.....	7,268,894	8,476,427	37	39	78
52,426	North Carolina..	1,893,810	2,100,000	10	12	24
70,837	North Dakota...	319,146	475,000	2	4	8
41,040	Ohio.....	4,157,545	4,557,000	21	23	46
70,057	Oklahoma.....	398,331	1,408,732	5	7	14
96,699	Oregon.....	413,536	550,000	2	4	8
45,126	Pennsylvania...	6,302,115	6,900,000	32	34	68
1,248	Rhode Island....	428,556	502,302	2	4	8
30,989	South Carolina..	1,340,316	1,474,735	7	9	18
77,615	South Dakota...	401,570	490,000	2	4	8
42,022	Tennessee.....	2,020,616	2,220,000	10	12	24
265,896	Texas.....	3,048,710	3,600,000	16	18	36
84,990	Utah.....	276,749	350,000	1	3	6
9,564	Vermont.....	343,641	340,000	2	4	8
42,627	Virginia.....	1,854,184	2,042,388	10	12	24
69,127	Washington....	518,103	900,000	3	5	10
24,170	West Virginia..	958,800	1,200,000	5	7	14
56,066	Wisconsin.....	2,069,042	2,275,000	11	13	26
97,914	Wyoming.....	92,531	117,500	1	3	6
	Persons in the service of the U. S. stationed abroad.....	91,219	.....	.....	.....	.....
3,617,673		76,303,387	89,106,058	391	483	978

**Cities of the United States of over 35,000 Popula-
tion in most cases as Estimated by the
Mayors of the Cities for 1908**

Dele-
gates.

22

2

18

20

10

14

6

2

10

26

2

6

54

30

26

20

26

18

12

16

32

28

22

20

36

6

16

6

8

24

2

78

24

8

46

14

8

68

8

18

8

24

36

6

8

24

10

14

26

6

978

Akron, Ohio.....	48,000	Memphis, Tenn.....	175,000
Albany, N. Y.....	100,000	Milwaukee, Wis....	355,000
Allentown, Pa.....	42,200	Minneapolis, Minn..	300,000
Altoona, Pa.....	41,300	Mobile, Ala.....	65,000
Atlanta, Ga.....	150,000	Montgomery, Ala...	60,000
Atlantic City, N. J..	38,000	Nashville, Tenn....	164,000
Augusta, Ga.....	40,500	Newark, N. J.....	303,000
Baltimore, Md.....	567,000	New Bedford, Mass.	100,000
Bayonne, N. J.....	43,000	New Haven, Conn...	150,000
Binghamton, N. Y..	46,000	New Orleans, La....	375,000
Birmingham, Ala...	60,000	Newton, Mass.....	39,000
Boston, Mass.....	607,340	New York City.....	4,285,400
Bridgeport, Conn...	100,000	Norfolk, Va.....	60,000
Brockton, Mass.....	48,000	Oakland, Cal.....	84,000
Buffalo, N. Y.....	400,004	Omaha, Neb.....	150,000
Cambridge, Mass...	99,930	Passaic, N. J.....	38,500
Camden, N. J.....	100,000	Paterson, N. J.....	130,000
Canton, Ohio.....	40,000	Pawtucket, R. I....	44,500
Charleston, S. C....	65,000	Peoria, Ill.....	85,000
Chattanooga, Tenn.	83,000	Philadelphia, Pa....	1,500,596
Chelsea, Mass.....	38,000	Pittsburg, Pa.....	600,000
Chester, Pa.....	35,000	Portland, Me.....	60,000
Chicago, Ill.....	2,483,000	Portland, Ore.....	161,205
Cincinnati, Ohio....	450,000	Providence, R. I....	208,000
Cleveland, Ohio....	525,000	Quincy, Ill.....	42,000
Columbus, Ohio....	179,370	Reading, Pa.....	110,000
Covington, Ky.....	53,000	Richmond, Va.....	112,000
Dallas, Tex.....	100,000	Rochester, N. Y....	200,000
Davenport, Iowa....	45,000	Rockford, Ill.....	35,000
Dayton, Ohio.....	115,000	Sacramento, Cal....	35,000
Denver, Colo.....	200,000	Saginaw, Mich.....	65,000
Des Moines, Ia.....	85,000	Salem, Mass.....	38,500
Detroit, Mich.....	400,000	Salt Lake City, Utah	55,000
Dubuque, Iowa.....	45,000	San Antonio, Tex....	93,000
Duluth, Minn.....	85,000	San Diego, Cal.....	45,000
East St. Louis, Ill..	36,000	San Francisco, Cal..	475,000
Elizabeth, N. J.....	70,000	Savannah, Ga.....	75,000
Elmira, N. Y.....	45,000	Schenectady, N. Y..	80,000
Erie, Pa.....	65,000	Scranton, Pa.....	130,000
Evansville, Ind....	65,000	Seattle, Wash.....	250,000
Fall River, Mass....	115,000	Sioux City, Iowa....	63,000
Fort Wayne, Ind....	64,000	Somerville, Mass....	73,000
Galveston, Tex.....	40,000	South Bend, Ind....	38,000
Grand Rapids, Mich.	120,000	Spokane, Wash.....	98,600
Harrisburg, Pa.....	85,000	Springfield, Ill....	68,000
Hartford, Conn....	106,000	Springfield, Mass...	80,000
Hoboken, N. J.....	75,000	Springfield, Ohio...	49,500
Holyoke, Mass.....	52,000	St. Joseph, Mo.....	120,000
Honolulu, Hawaii..	50,000	St. Louis, Mo.....	750,000
Houston, Tex.....	80,000	St. Paul, Minn.....	225,000
Indianapolis, Ind..	240,000	Superior, Wis.....	37,500
Jacksonville, Fla...	65,000	Syracuse, N. Y.....	125,000
Jersey City, N. J...	245,000	Tacoma, Wash.....	102,000
Johnstown, Pa.....	38,000	Terre Haute, Ind...	50,000
Joliet, Ill.....	35,200	Toledo, Ohio.....	189,000
Kansas City, Kan...	68,000	Topeka, Kan.....	47,500
Kansas City, Mo....	250,000	Trenton, N. J.....	95,000
Knoxville, Tenn....	36,000	Troy, N. Y.....	76,910
Lancaster, Pa.....	45,000	Utica, N. Y.....	70,000
Lawrence, Mass....	85,000	Washington, D. C...	330,000
Lincoln, Neb.....	45,000	Waterbury, Conn...	55,000
Little Rock, Ark....	65,000	Wheeling, W. Va....	40,000
Los Angeles, Cal....	290,000	Wilkesbarre, Pa....	55,000
Louisville, Ky.....	260,000	Williamsport, Pa...	38,000
Lowell, Mass.....	110,000	Wilmington, Del....	90,000
Lynn, Mass.....	81,500	Worcester, Mass....	138,000
Malden, Mass.....	39,000	Yonkers, N. Y.....	73,000
Manchester, N. H....	70,000	York, Pa.....	35,000
McKeesport, Pa....	37,000	Youngstown, Ohio..	55,000

**APPROXIMATE VALUES OF FOREIGN COINS
IN UNITED STATES MONEY**

COUNTRY.	STANDARD.	MONETARY UNIT.	Value in Terms of U. S. Gold Dollar.
Argentine Repub.	Gold and Silver..	Peso.....	\$0.96.5
Austria-Hungary	Gold.....	Crown.....	.20.3
Belgium.....	Gold and Silver..	Franc.....	.19.3
Bolivia.....	Silver.....	Boliviano.....	.429
Brazil.....	Gold.....	Milreis.....	.54.6
British Honduras	Gold.....	Dollar.....	1.00
British Posses- sions, N. A. (except <i>Newfoundland</i>)...	Gold.....	Dollar.....	1.00
Cent. Am. States—			
Costa Rica.....	Gold.....	Colon.....	.46.5
Guatemala....	Silver.....	Peso.....	.429
Honduras.....			
Nicaragua....			
Salvador.....			
Chile.....	Gold.....	Peso.....	.36.5
China.....	Silver.....	Tael { Shanghai	.643
		{ Haikwann (Customs)	.716
Colombia.....	Gold.....	Dollar.....	1.00
Cuba.....	Gold and Silver..	Peso.....	.92.6
Denmark.....	Gold.....	Crown.....	.26.8
Ecuador.....	Gold.....	Sucre.....	.487
Egypt.....	Gold.....	Pound (100 pias- tres).....	4.94.3
Finland.....	Gold.....	Mark.....	.19.3
France.....	Gold and Silver..	Franc.....	.19.3
German Empire..	Gold.....	Mark.....	.23.8
Great Britain....	Gold.....	Pound Sterling	4.866½
Greece.....	Gold.....	Drachma.....	.19.3
Hayti.....	Gold and Silver..	Gourde.....	.96.5
India.....	Gold.....	Pound Sterling	4.866½
Italy.....	Gold and Silver..	Lira.....	.19.3
Japan.....	Gold.....	Yen.....	.49.8
Liberia.....	Gold.....	Dollar.....	1.00
Mexico.....	Gold.....	Peso.....	.498
Netherlands....	Gold and Silver..	Florin.....	.40.2
Newfoundland..	Gold.....	Dollar.....	1.01.4
Norway.....	Gold.....	Crown.....	.26.8
Panama.....	Gold.....	Balboa.....	1.00
Persia.....	Silver.....	Kran.....	.079
Peru.....	Gold.....	Libra.....	4.866½
Philippine Islands	Gold.....	Peso.....	.50
Portugal.....	Gold.....	Milreis.....	1.08.0
Russia.....	Gold.....	Ruble.....	.51.5
Spain.....	Gold and Silver..	Peseta.....	.19.3
Straits Settle- ments	Gold.....	Pound Sterling	4.866½
Sweden.....	Gold.....	Crown.....	.26.8
Switzerland.....	Gold and Silver..	Franc.....	.19.3
Turkey.....	Gold.....	Piaster.....	.04.4
Uruguay.....	Gold.....	Peso.....	1.03.4
Venezuela.....	Gold and Silver..	Bolivar.....	.19.3

A rupee = \$.3244½.

800
 784
 768
 752
 736
 720
 704
 688
 672
 656
 640
 624
 608
 592
 576
 560
 544
 528
 512
 496
 480
 464
 448
 432
 416
 400
 384
 368
 352
 336
 320
 304
 288
 272
 256
 240
 224
 208
 192
 176
 160
 144
 128
 112
 96
 80
 64
 48
 32
 16
 0
 U. S. GOVERNMENT
 Dollar.

INTEREST CALCULATIONS

RULE.—Multiply the principal by as many one hundredths as there are days, and then divide as follows:

Per cent,	4	5	6	7	8	9	10	12
Divide by	90	72	60	52	45	40	36	30

EXAMPLES.—Interest on \$100, for 90 days at 5 per cent.: $100 \times .90 = 9.00$ divided by 72 = 1.25 (one dollar and 25 cents); on \$1, for 30 days at 6 per cent.: $1 \times .30 = .300$, divided by 60 = .005 (5 mills).

TABLE.—Showing the number of days from any date in one month to the same date in any other month.

From	To	Jan.	Feb.	Mch.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
January		365	31	59	90	120	151	181	212	243	273	304	334
February		334	365	28	59	89	120	150	181	212	242	273	303
March		303	337	365	31	61	92	122	153	184	214	245	275
April		275	306	334	365	30	61	91	122	153	183	214	244
May		245	276	304	335	365	31	61	92	123	153	184	214
June		214	245	274	304	334	365	30	61	92	122	153	183
July		184	215	243	273	304	335	365	31	62	92	123	153
August		153	184	212	243	273	304	334	365	31	61	92	122
September		122	153	181	212	242	273	303	334	365	30	61	91
October		92	123	151	182	212	243	273	304	335	365	31	61
November		61	92	120	151	181	212	242	273	304	334	365	30
December		31	62	90	121	151	182	212	243	274	304	335	365

EXAMPLE.—How many days from May 5th to October 5th? Look for May at left hand and October at the top; in the angle is 153. In leap-year add one day if February is included.

**BLANK
PAGE(S)**

³¹
DAYS. MARCH. 1909.

SUN.

21

80

4th Sunday in Lent.

MON.

22

81

TUES.

23

82

WED.

24

83

THUR.

25

84

FRI.

26

85

SAT.

27

86

31 DAYS. MAR. 30 DAYS. APR. 1909.

1911

SUN.

28

87

1911

5th Sunday in Lent.

MON.

29

88

Snow

10 PM 28.08

7:30 AM 28.08

TUES.

30

89

noon 28.10

10 PM 28.28

8 AM 28.38

WED.

31

90

10 PM 28.52

28

APRIL.

THUR.

8 AM 28.60

1

91

10 PM 28.64

8 AM 28.80

Rain Sunday
cloudy

FRI.

2

92

10 PM 28.90

April 3

Tuesday

8 AM 28.86

6 PM 28.80

10 PM 28.64

April 4

SAT.

3

93

30
DAYS.

1911 ^{mid}
APRIL. 1909.

~~SUN. 4~~ 7:30 AM - 28.45 5TH Rain

~~94~~ 6 PM 28.34
Palm Sunday. June 6

~~MON. 5~~ 8:45 AM 28:56

~~95~~ 10:25 PM 28:43
Snow Fri. 7
6 AM 28:35

~~TUES. 6~~ Rain Sat 8TH

~~96~~ 11 AM 28-75
6 PM 28.64
10 PM 28.63

~~WED. 7~~ 8 AM 28.80 Sun 9

~~97~~ 10 PM 29.01

~~THUR. 8~~ 7:30 AM 29.13 Monday 10

~~98~~ 6 PM 29.04 Fair
10 PM 29.06

~~FRI. 9~~ 7 AM 29.09 Tue 11

~~99~~ at garden Fair
Good Friday. 6 PM 29.03 Rain

~~SAT. 10~~ 10 PM 29.06

~~100~~ 7 AM 29.07 June 13
10 PM 28.96 Rain

30 DAYS. APRIL. 1909.

11
Rain

SUN.

10 PM 28.76 Fri 14 **11**

101

7 AM 28.74 Sat 15
Easter Sunday.

12 Mon. 28.75 Fair MON.

12

102

10 PM 28.65
8 AM 28.67 Fair Sun 16

TUES.

13

103

4 PM 28.67
10 PM 28.68
8 AM 28.63 Fair Mon 17

WED.

14

104

at Cinth + Ashland
11 PM 28.45 Fri 21

THUR.

15

105

8 AM 28.48 Rain Sat 22
10 PM 28.65

8 AM 28.80 Sun 23 **16**

106

3 PM 28.90

10 PM 28.95

SAT.

17

107

6 PM 28.91 Mon 24

19th
30 DAYS. APRIL. 1989

SUN. 18 8 AM 28.95 Tues
108 10 PM 28.89 Fair

1st Sunday after Easter.

MON. 19 7 AM 29.02 Thu 26
109 10 PM 29.01 Fair

TUES. 20 7:30 AM 29.13 Thurs
110 Fair 27

WED. 21 7:00 AM 29.08 Fri 28
111 Showers

6 PM 28.92
10 PM 28.90
THUR. 22 7 AM 28.84 Sat 29
112 10 PM 28.62 Fair

FRI. 23 8 AM 28.51 Sun
113 3 PM 28.47 30
10 PM 28.45 Rain

SAT. 24 8 AM 28.42 May 1
114 6 PM 28.28 Showers
11 PM 28.34 Rain

30 DAYS. APR. 31 DAYS. MAY. 1909

7 AM 28.50 Tues SUN. 25
7 PM 28.70 Fair 115

20 Sunday after Easter.

10:15 leave for Phila. MON. 26
+ Phila. 116

leave for Tuesday Fair
Phila. Oldman Fair TUES. 27
117
W.P. J. Association

7 AM 28.94 Friday WED. 28
6 PM 28.84 Fair 118

10 PM 28.91
7 AM 28.99 Saturday THUR. 29
10 PM 28.90 Fair 119

Camp + I go to Barbours Creek
Sunday FRI. 30

6 PM 28.80 Fair 7
10 PM 28.85 Fair 120
Monteth, Camp + I go to Barbours Creek
go to Terra to find camp site

MAY. SAT. 1
7 AM 28.77 Monday 8
10 PM 28.55 cloudy 121

11
31
DAYS. MAY. 1909.

SUN. ~~2~~ Sunday May 8
8 AM 28.53 Fair
10 PM 28.52

3d Sunday after Easter.

MON. ~~3~~ Monday May 9
7 AM 28.57 Fair
10 PM 28.55

TUES. ~~4~~ Tuesday
7 AM 28.66 Fair
124 At Jordan over night
see Bush Camp &

WED. ~~5~~ Wednesday
125 Salt Hog Creek
Return in Prince
Fair

THUR. ~~6~~ Thursday 12th
6 PM 28.64
126

FRI. ~~7~~ Friday 13th
10 PM Saturday 13th
28.85
127 Fair

SAT. ~~8~~ Saturday 14th
8 AM Sunday 15th
28.92 Fair
10 PM 28.94
128

31
DAYS. MAY. 1909.

Rev Geo. Williams

SUN.

14

129

4th Sunday after Easter.

7 AM 28.97 Fair

MON.

15

130

12 M 28.90

10 PM 29.92

at Dr Savaris Dentist

7 AM 28.82 Fair

TUES.

16

131

1 PM 28.72

with Mr Sanford

leave for Milton at 4 PM

Spent night at Dunmore

WED.

17

132

Spent night at Milton

THUR.

18

133

Home on #14

6 PM 28.53 Fair

10 " 28.57

FRI.

19

134

d'Inchies here

10 PM 28.60 Fair

7 AM 28.66

SAT. 20

16

135

10 PM 29.65

at Fenwick

31
DAYS. MAY. 1909.

SUN.
~~216~~
136

8 AM 28.73 Fair
10 PM 28.75

Rogation Sunday.

MON.
~~217~~
137

9 AM 28.78 Fair
noon 28.74 Fair
6 PM 28.68 Fair
M got to
lick pen in
afternoon.

TUES.
~~18~~
138

7 AM 28.76 Fair
6 PM 28.74 Showers
at 1 PM

Rogus preached

WED.
~~19~~
139

9 AM 28.82 Fair

At Denmark with Nash
catch 31 trout Nash 3

THUR.
~~20~~
140

and Kan 3

10 PM 28.66 Fair

Ascension Day.

FRI.
~~21~~
141

9 AM 28.69

Trank leaves for Ky at 5:30 AM

6 PM 28.66

10 PM 28.68 Thunder Showers

SAT.
~~22~~
142

7 AM 28.78

Fair

11
31 DAYS. MAY. 1903.

SUN.

10 PM

~~23~~ 8

143

28.80 Fair

Sunday after Ascension.

MON.

8 AM 28.84 Fair

~~24~~ 29

Cargill & I go to Dunlap's Bank

144

10 PM 28.81 to try window

TUES.

7 AM 28.78 Fair

~~25~~ 30

6 PM 28.76

145

11 PM 28.76

WED.

7 AM 28.71 Rain

~~26~~ 31

10 PM 28.50 Storm

146

Harrier at Lewisburg

7 AM 28.53

THUR.

10 PM 28.65

~~27~~ 1

147

Harrier returns home

will provide fuel for house

FRI.

7 AM 28.76 Fair

~~28~~ 2

11 PM 28.75

148

Harrier here at noon

Minshaw at 10:30 AM

SAT.

7 AM 28.78 Fair

~~29~~ 3

11 AM 28.81

149

Harrier & Minshaw in Auto to Franklin
Dixon revisits

1909

31 DAYS. MAY. 30 DAYS. JUNE. 1909.

June 4
SUN.

~~30~~ 8 AM 28.84 Fair
150 10:30 28.78 Thunder Shower
Whitsunday. MEMORIAL DAY.

MON. Ed Harrison here Fair
~~31~~ 10 PM 28.59
151¹ Quarters Board Meeting
Hyman, Dinalow & Harrison leave

TUES. 10 PM 28.66 JUNE. Rain
~~6~~ 2 AM at Covington
152 to see Delany

WED. 7 AM 28.68
~~7~~ 10 PM 29.69 Showers
153 during night Heavy rain

THUR. 7 AM 28.74
~~8~~ 3 10 PM 28.78 Cloudy
154

FRI. 7 AM 28.97 Fair
~~9~~ 4 8 PM 28.66
155 John & I got hair cut
at Covington. Ellis Burks died

SAT. 6 PM 28.55 Fair
~~10~~ 5 much from Clifton by
156 with Day, Julia Taylor Ben Brown
12 10. HE & John

9.
10
DAY.

³⁰ DAYS. JUNE. 1909.

11
SUN.

9 AM 28.59 Fair
10 PM 28.46
Ride in Dr Justice's EMF 30¹⁵⁷
Trinity Sunday.

MON.
12
158

7 AM 28.46 Fair
10 PM 28.40

TUES.
13
159

10 PM 28.44
Shower at 3 PM

WED.
14
160

7 AM 28.47 Fair
6 PM 28.49
10 PM 28.50

THUR.
15
161

7 AM 28.53
6 PM 28.55

At Jordan with John R
return in Auto - leave for NY
with Delany Meet Chapman
Richard Butler & Howard White.

FRI
16
162

At 7 PM meet Stevens and
Artes at Plaza

SAT.
17
163

At Franks Office
Lunch at Hotel Astor -
See Russian Dancers at Monte
Sarda

30
DAYS. JUNE. 1909.

SUN. Arrive home — night to

13 Breakfast + Dinner / Sunday

164 6 PM 28.54 Anthony

Rain Arrive at 10:15 PM / Benham

1st Sunday after Trinity. Cornish

MON. 7 AM 28.63 Rain

14 12 M 28.68

165 Arrive at 6 PM 28.62 at Cornish

with Fred + John. Section leave

TUES. 7 AM 28.64 Fair

15 11 PM 28.60

166 Picnic at Hayes Station

on Paddy Creek 3 autos

WED. 7 AM 28.72 Fair

16 6 PM 28.69

167 10 PM 28.76

Back + guests go to Hot Springs

THUR. 7 AM 28.96 Fair

17 10 PM 28.69

168 Back + guests go East 7:40 AM

On PM at Corb to see Delaney

FRI. 7 AM 28.72 Fair

18 10 PM 28.69

169 John Conyell + J at Mud

Tunnel fishing

SAT. 7 AM 28.74 Showers

19 12 PM 28.75

170 At Cornington to meet Paddy

Travellers Thayer Motion Hall

Dexter Seaton, red Seaton
and ³⁰ DAYS JUNE 1909
John Russell arrive Sat
night

7 AM 28.75
28.72 Rain
SUN. 25
171

2d Sunday after Trinity.

7 AM 28.69
11 PM 28.67 Showers
Tents sent up to Hayes Camp
Cargill & Dexter Seaton stay 1st night
MON. 26
172

7 AM 28.65 Campers go up
1 PM 28.65 Mrs Cargill Mary
& Isabella - John R. John Russell
Dexter Seaton & Elizabeth Wilkins
TUES. 22
173

Stayover night at Camp
Saw Jack
12 noon 28.65
WED. 23
174

9 AM 28.75 Fair
THUR. 24
175

12 noon 28.78 Fair
FRI. 25
176

10 PM 28.74
SAT. 26
177

July 1911
30 DAYS. JUNE. 31 DAYS. JULY. 1909.

SUN.

27
178

same 28.76 Fair
at Camp for dinner 9 PM
10 PM 28.71 Storm

30 Sunday after Trinity. Rev Williams here

MON.

28
179

7 AM 28.73

worn 28.69

Mlds here for dinner

28.67

TUES. 7 AM 28.72

29
180

Go to Camp Sam Jack

with S Royce Heavy rain

Stay at night - Mrs M there

WED.

30
181

Spend day at Camp

St

Fa B well broken

THUR. Return to ~~the~~ JULY.

6 Fa idle

182 at Abney Ann & Coring in Mr Out

10 PM 28.75

FRI.

7
183

Lynon Strindlow arrive

Go to see Melaney in PM

10 PM 28.84 Rain

SAT.

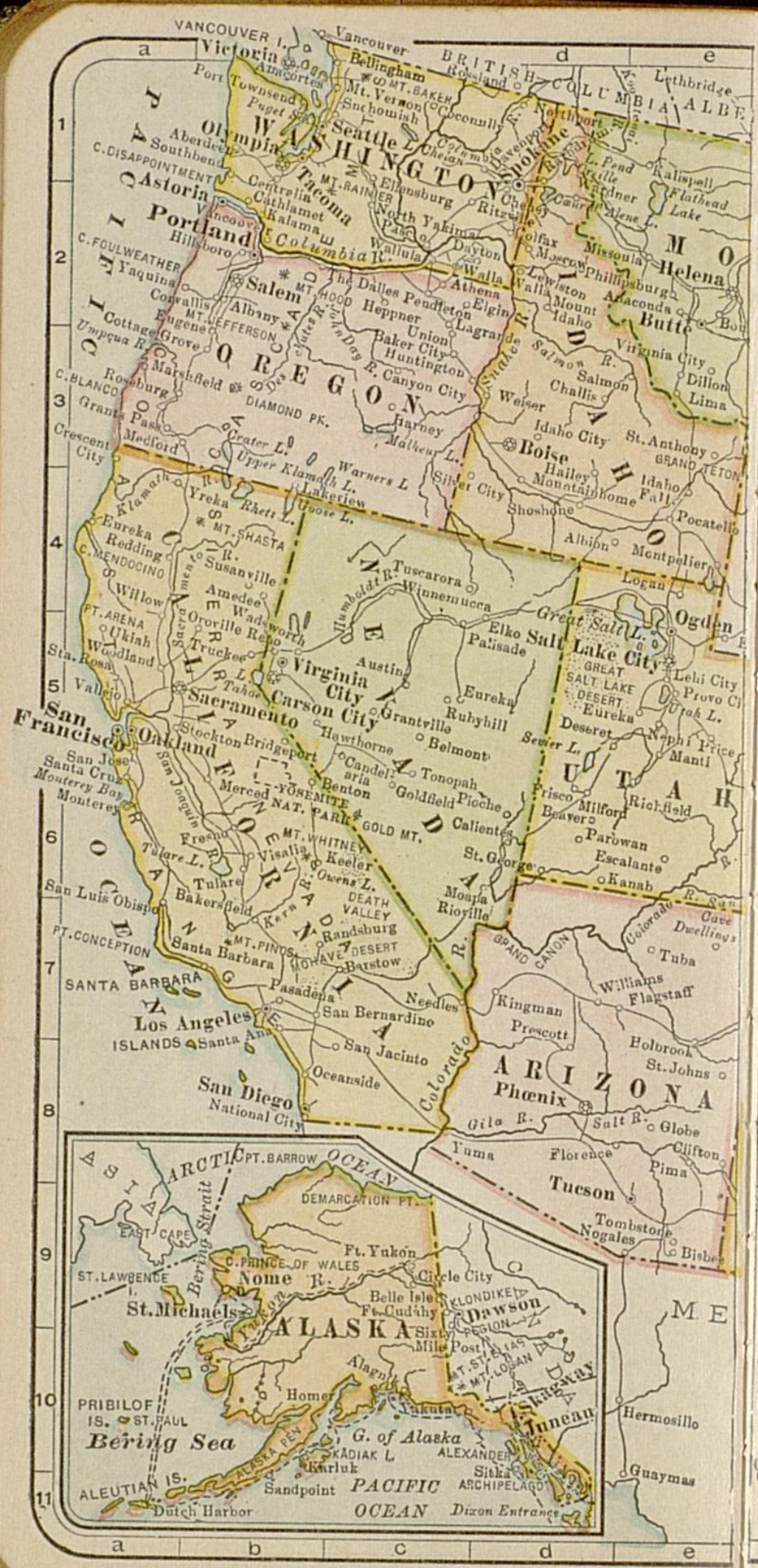
8
184

8 AM 28.84 Fair

10 PM 28.85 Lynon leave



19. *Handwritten notes and scribbles in the margin, including the word "Dawson" and other illegible markings.*





UNITED STATES

Western Half

0 50 100 150 200 250 300

320 MILES TO ONE INCH

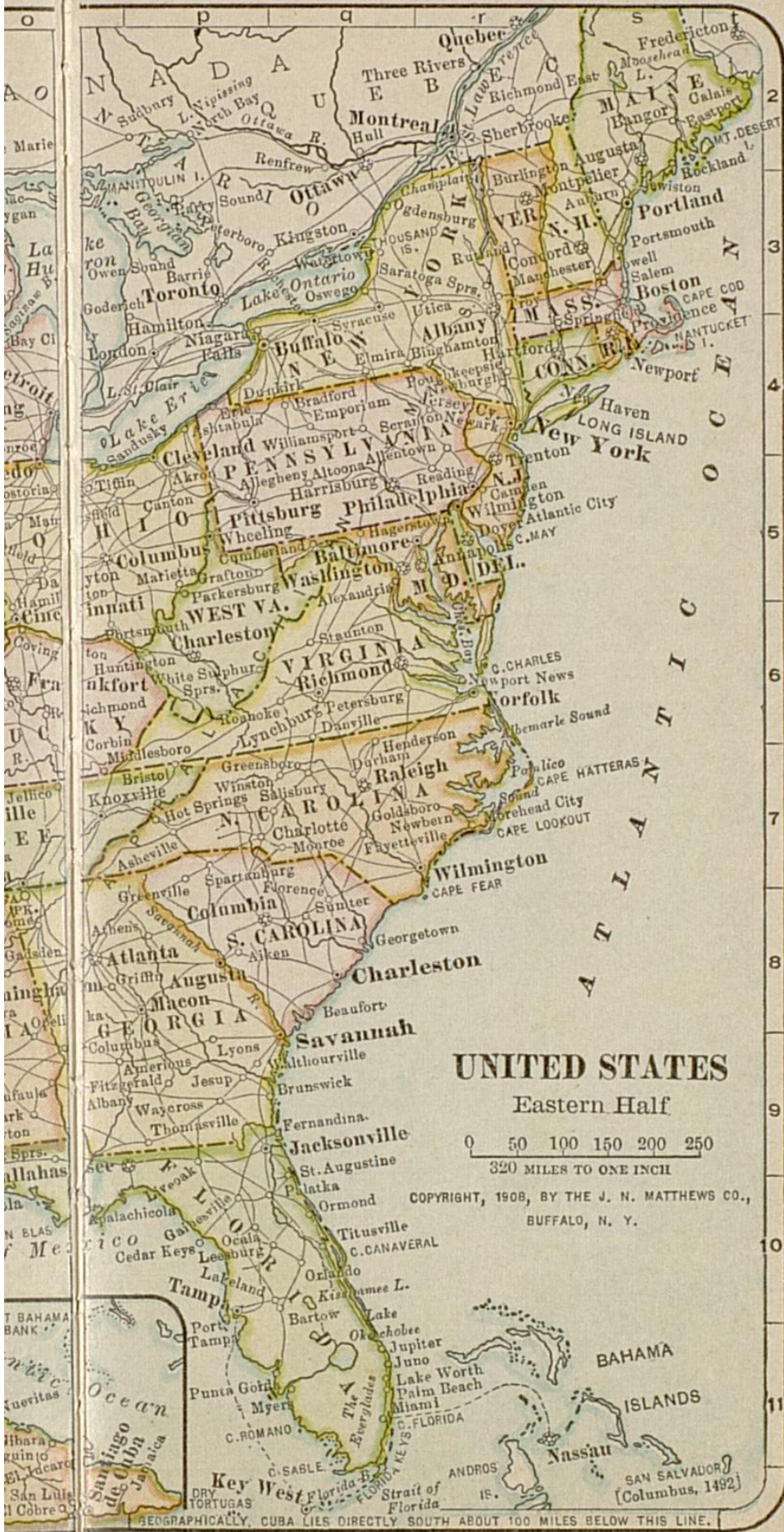
COPYRIGHT, 1908, BY

THE J. N. MATTHEWS CO., BUFFALO, N. Y.



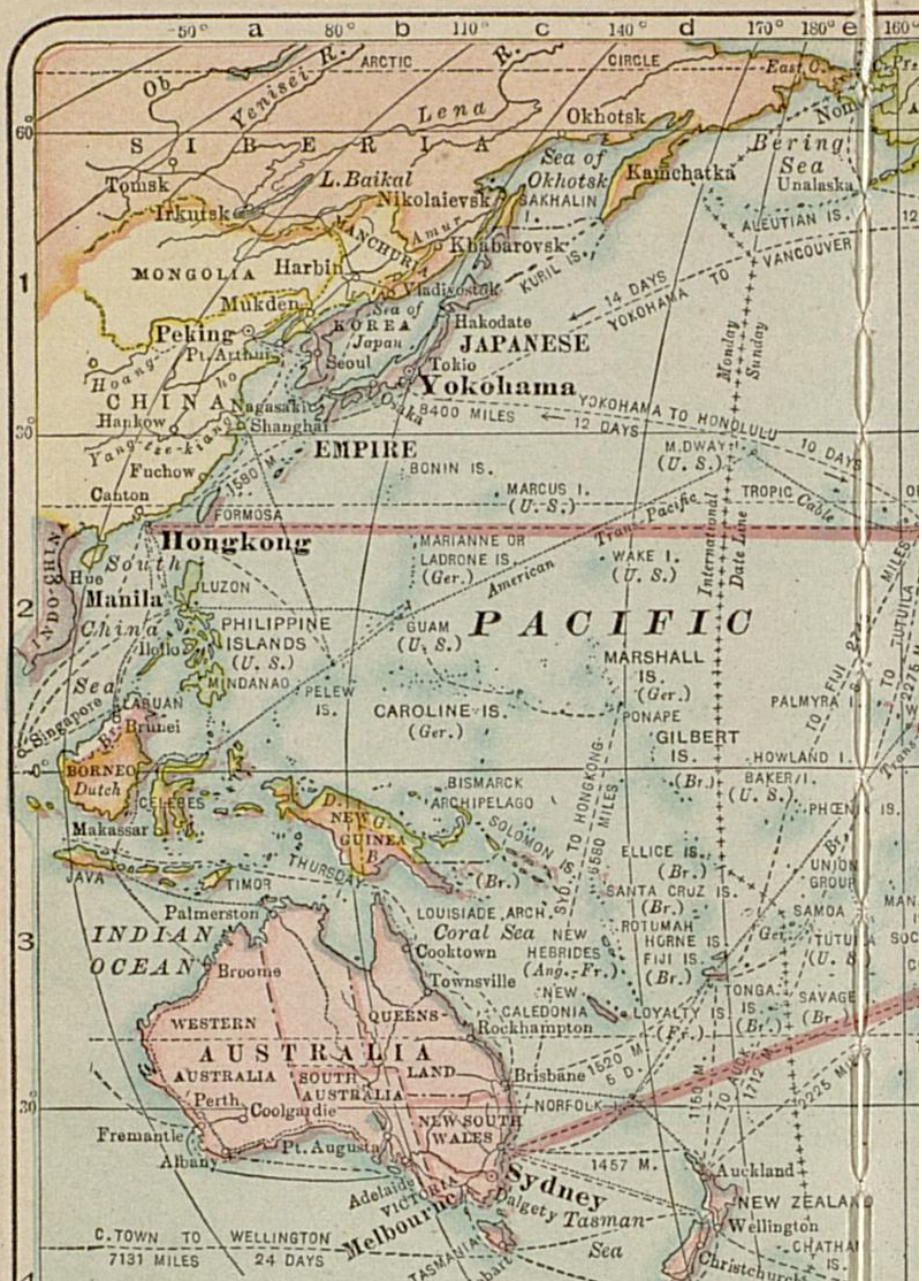
CUBA.
 Same Scale as Main Map.
 Havana is 100 Miles ($\frac{1}{2}$ inch)
 south of Key West.

M. N. CO.



Marie
yan
La Hu
Bay Cl
elroit
edo
ostoro
Mar
O
Da
Hamill
Cinc
Covin
ton
Fr
U C
R
Jellico
ille
a E
a
AD
PR
ome
Gadsden
aingha
ra
A O
pell
ufaula
ark
ton
Spr.
allahas
la
N ELAS
f Me
T BAHAMA
BANK
Quiritas
ibara
quin
San Luis
Cobre

2
3
4
5
6
7
8
9
10
11

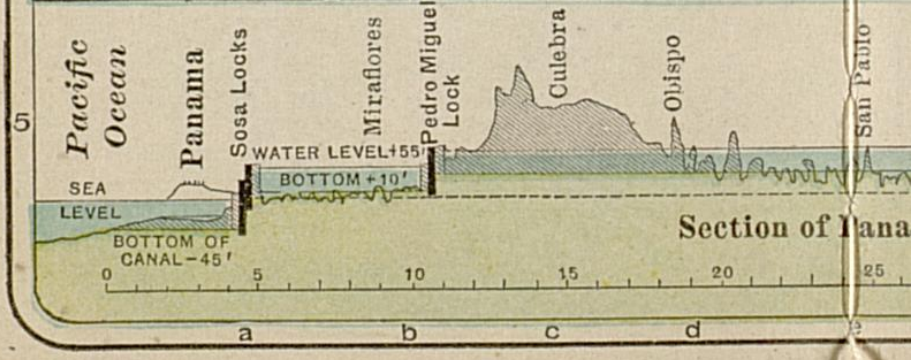


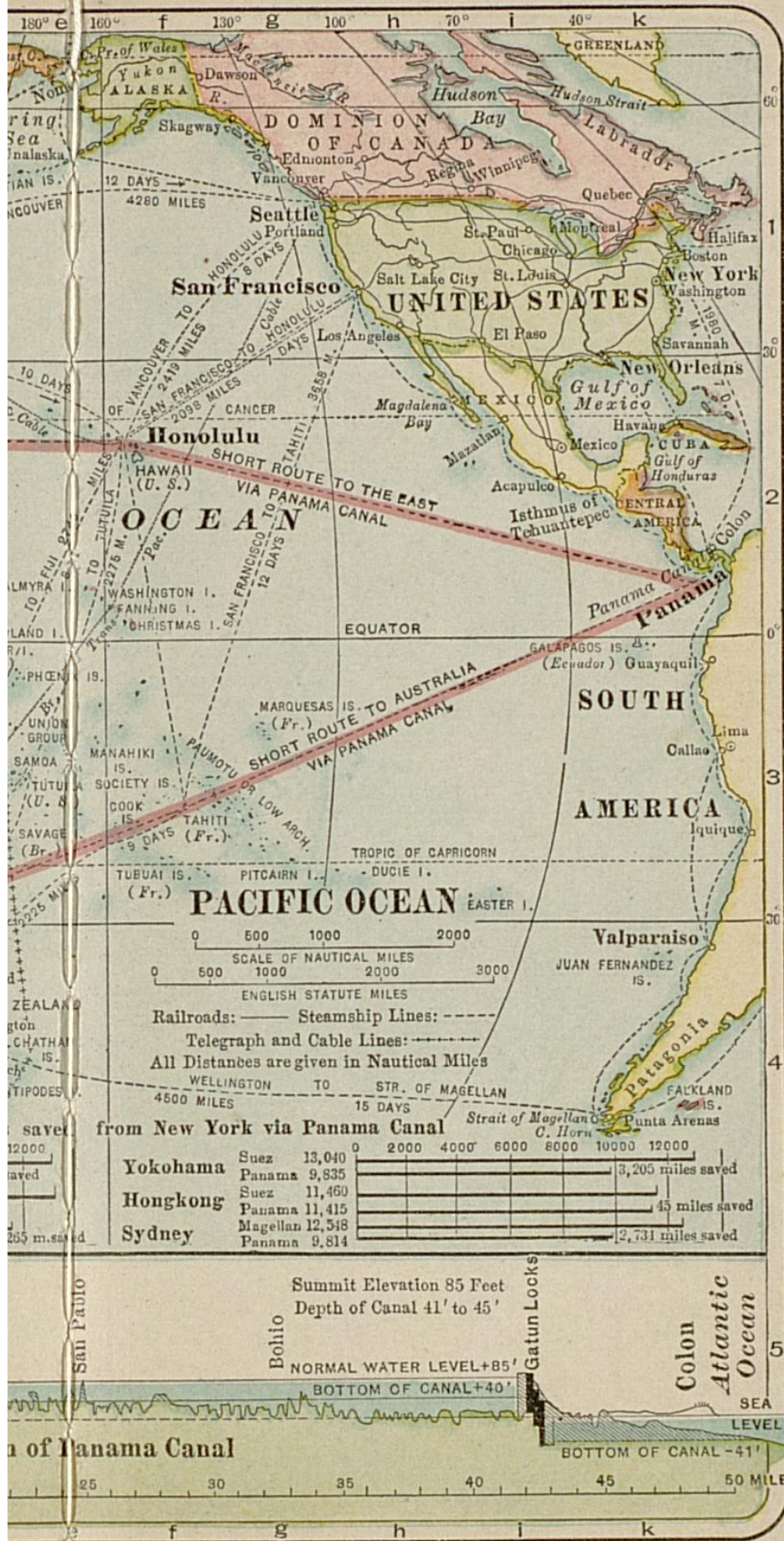
COPYRIGHT, 1908,
 BY THE J. N. MATTHEWS CO.,
 BUFFALO, N. Y.

ROYAL COMPANY • AUCKLAND I. • CAMPBELL I.

Distances in Nautical Miles saved from

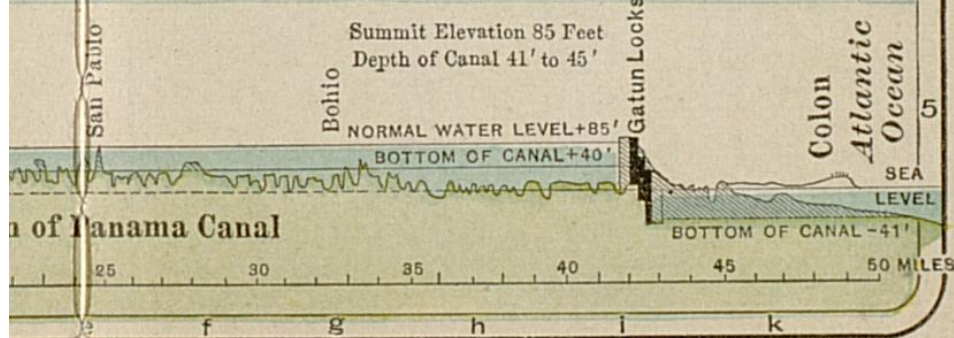
San Francisco	Magellan	13,090	
	Panama	5,299	7,791 miles saved
Honolulu	Magellan	13,269	
	Panama	6,627	6,642 miles saved
Manila, P. I.	Suez	11,644	
	Panama	11,379	265 m. saved

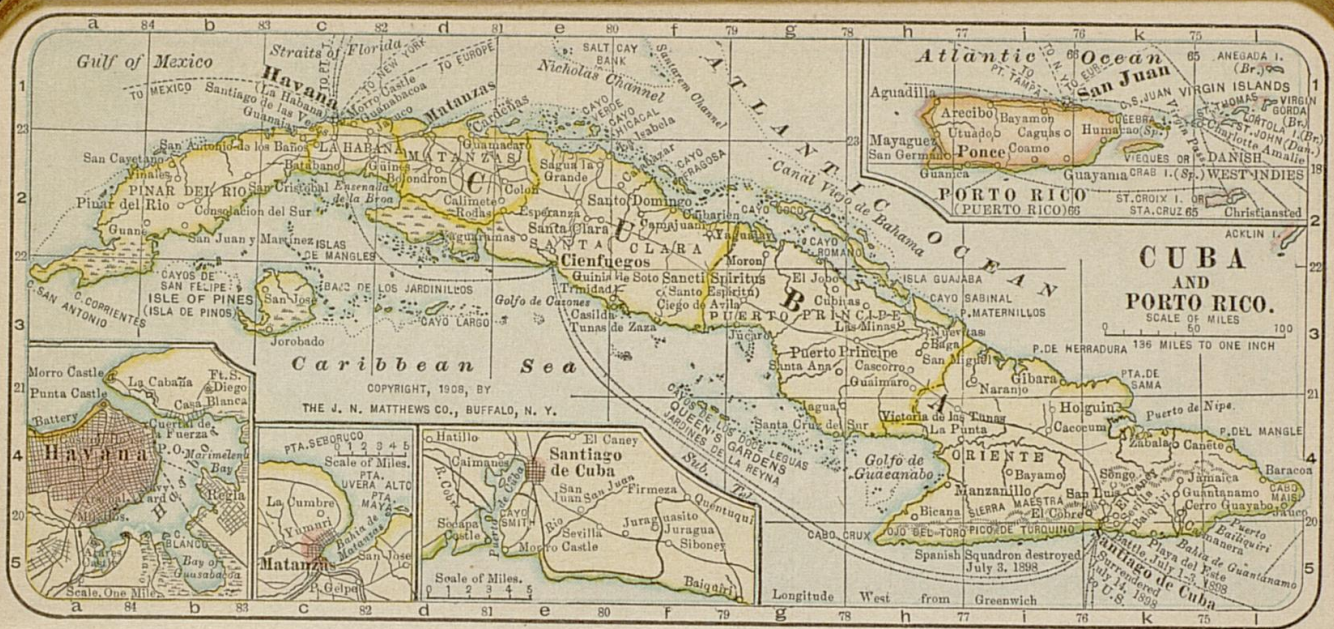




saved from New York via Panama Canal

Destination	Suez	Panama	Miles saved
Yokohama	13,040	9,835	3,205 miles saved
Hongkong	11,460	11,415	45 miles saved
Sydney	12,548	9,814	2,731 miles saved





THE J. N. MATTHEWS CO., BUFFALO, N. Y.

CUBA AND PORTO RICO.
SCALE OF MILES

196 MILES TO ONE INCH

Longitude West from Greenwich

Scale of Miles. 1 2 3 4 5

Scale of Miles. 1 2 3 4 5

Scale of Miles. 1 2 3 4 5

Spanish Squadron destroyed July 3, 1898

Bay of Cienfuegos July 1-3, 1898

Bay of Guantanamo July 1-3, 1898

Bay of Sagua de Cuba July 1-3, 1898

Bay of Sancti Spiritus July 1-3, 1898

Bay of Sancti Spiritus July 1-3, 1898

Bay of Sancti Spiritus July 1-3, 1898

Bay of Sancti Spiritus July 1-3, 1898

Bay of Sancti Spiritus July 1-3, 1898

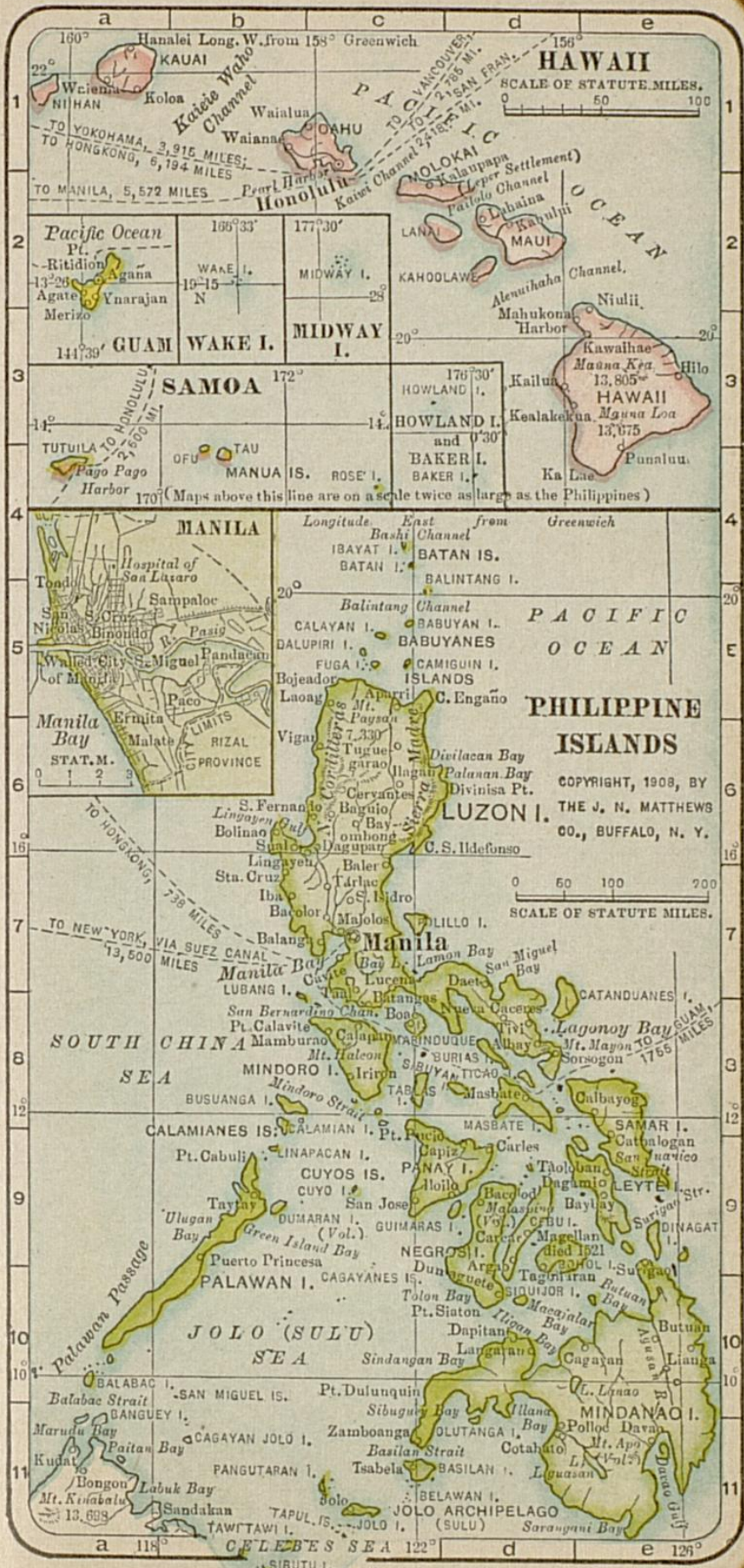
Bay of Sancti Spiritus July 1-3, 1898

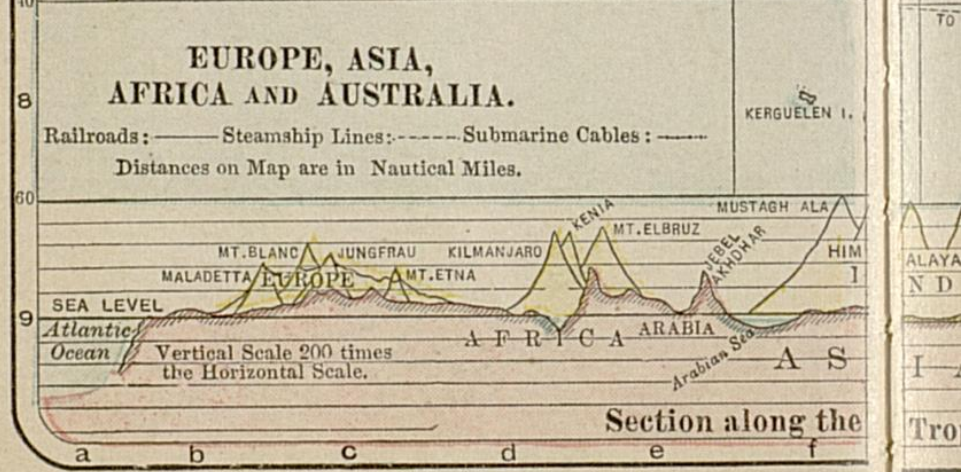
Bay of Sancti Spiritus July 1-3, 1898

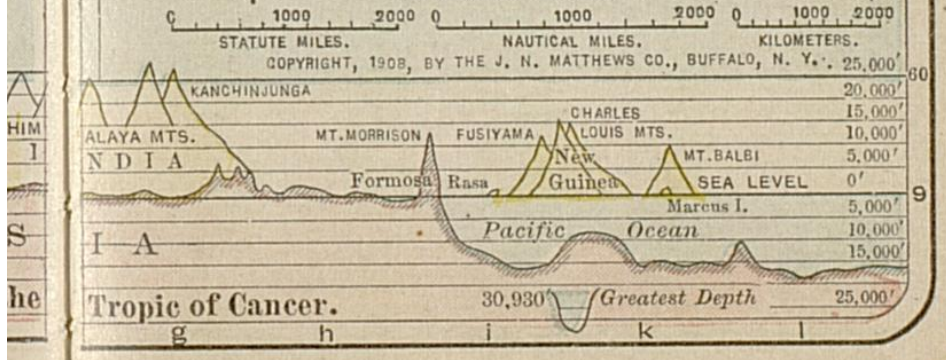
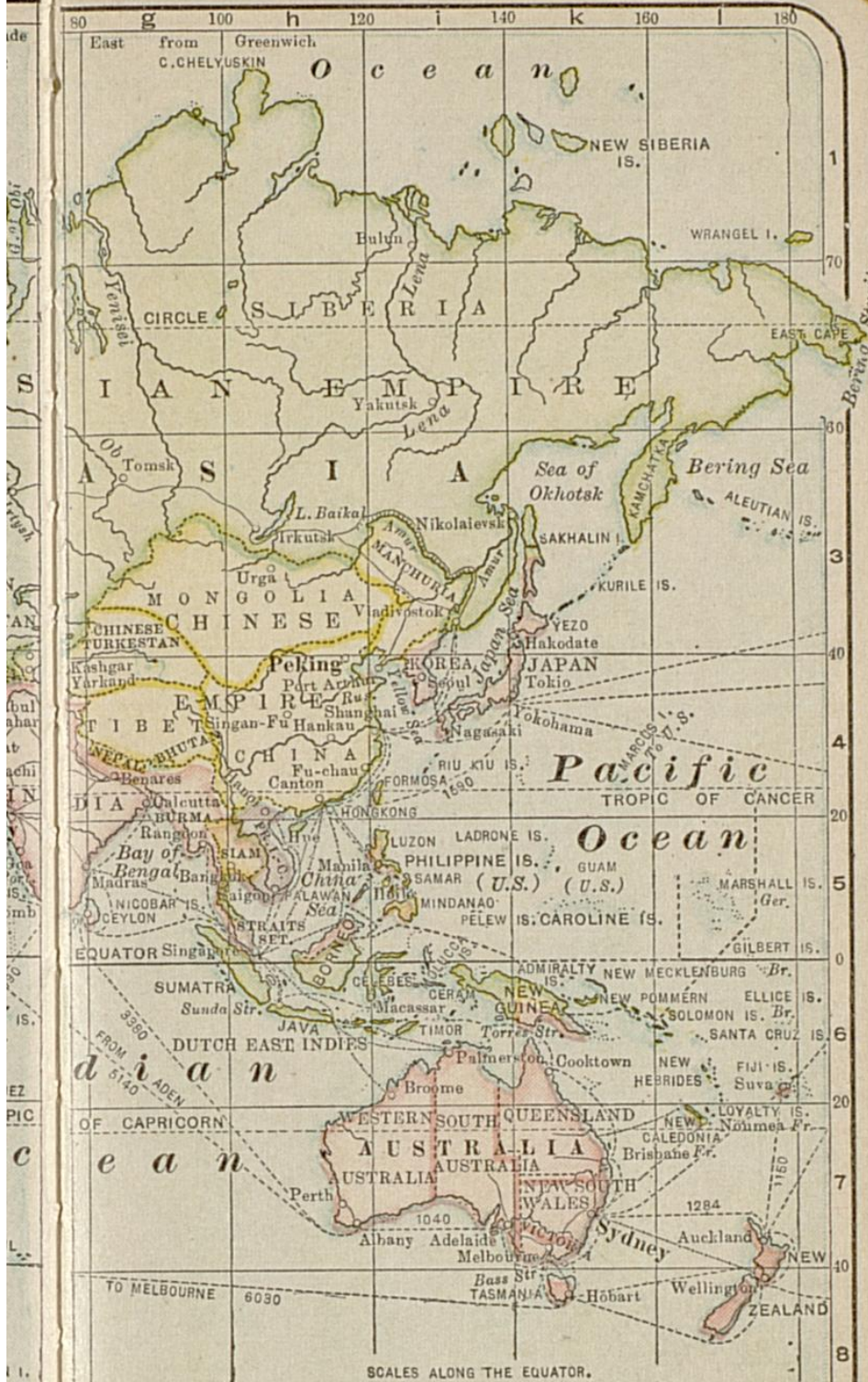
Bay of Sancti Spiritus July 1-3, 1898

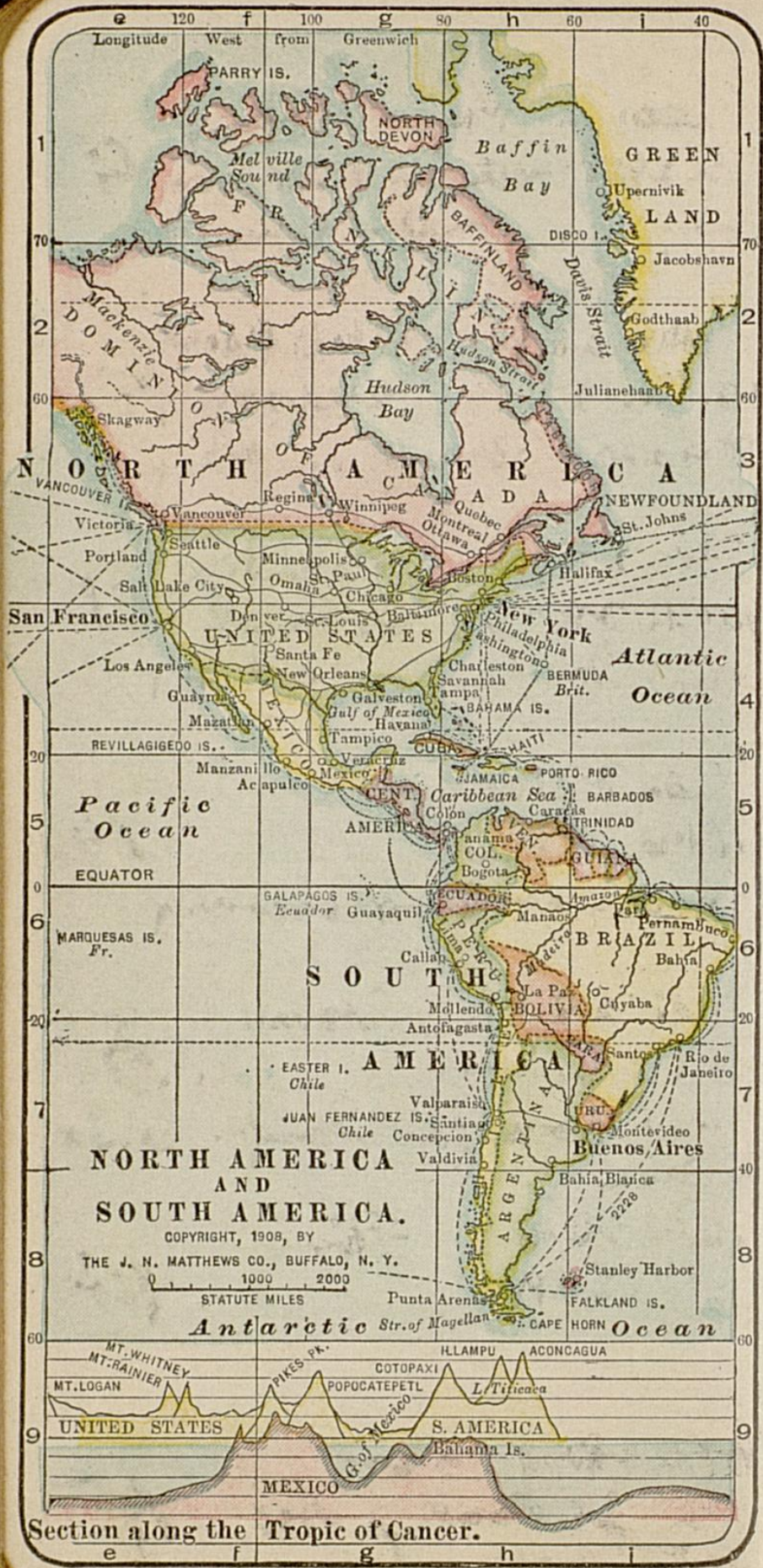
Bay of Sancti Spiritus July 1-3, 1898

Bay of Sancti Spiritus July 1-3, 1898









70
 11PA
 R
 INDE
 7
 10
 90
 7a
 10
 7
 10
 10
 19
 10
 a
 7a
 10
 7a
 10
 7a
 10
 7a
 10

1911

31 DAYS. JULY. 1909.

7am 28.91 - Fair at Camp SUN.

11PM 28.85 with Mr. Trindlow 4
Ruby Trindlow leaves 10 PM 185

INDEPENDENCE DAY. 4th Sunday after Trinity.

7am 28.86 Phil Cannon MON.

10 PM 28.78 arrives 5
9 gas to Camp - Rain 186

7am 28.78 Spunkle TUES.

10 PM 28.72 at Camp 6
and Jordan - Auto & train 187

7am 28.69 WED.

10 PM 28.72 7
Ruby at Camp over night 188

1 PM 28.76 Storm THUR.

10 PM 28.50 8
All home from Camp - Send up
ballon 189

7am 28.80 Fair FRI.

10 PM 28.81 9
190

11 PM 28.79 Fair SAT.

H.S. Johnson & Fred 10
Sutton West & Ed leave 191

Law Temp 54°

31 DAYS. JULY. 1909.

SUN. 9 AM 28.74 Fair Sam

16 1 PM 28.70

192 11 PM 28.58 Ride to

5th Sunday after Trinity. ~~Sullivan~~ in Cow Pasture

MON. 7 AM 28.52 Rain Sam 7 AM

12 10 PM 28.59 Fair 10 P

193 Catch 3 bass on morden

minnow in Pike Pond

TUES. 7 AM 28.69 Temp 52°

13 6 PM 28.68 Cloudy

194 10 PM 28.74 Catch 1 pearl

1 pike on morden minnow

WED. 5° 30' AM 28.78 - John 54°

14 bars to visit Mrs Russell for

195 Cargill & I at Gill Islands on

Cow pasture - No 2 - 9.13 fine

THUR. 7 AM 28.71 Fair

15 10 PM 28.60

196 Rain at night

FRI. 10 PM 28.49

16

197

SAT. 6 AM 28.50 Mr Ak Nook 6

17 10 PM 28.58 here. 10

198 Mr Cargill & I go to Potts Creek 12

31
DAYS. JULY. 1909.

8 AM 28.66 Rain
28.48 to dinner
Wash cans for house 10 PM
6th Sunday after Trinity.

SUN.
1873

7 AM 28.44 Rain
10 PM 28.50

MON.
1974
200

Leave #3
for Ashland
Visit Mrs. Seaton

TUES.
2075
201

Lowell's Telap 49
A.M. Meeting

WED.
2176
202

Return with H.E. & John R.
12 PM 28.81 Cool
Fair

THUR.
2277
203

Delaney calls
10 PM 28.83

Fair
Fishing at Deep Ford Bridge

FRI.
2378
204

10 PM 28.78

6 AM 28.82
At Charleson with Delaney
12 PM 28.78
Matters
Therap & Hall

SAT.
2479
205

31 DAYS. JULY. 1909.

SUN. 4 PM 28.83 Cloudy
~~30~~ 25 ~~humbago~~
206 10 PM 28.80

7th Sunday after Trinity.

MON. 7 AM 28.80 Fair
~~31~~ 26 6 PM 28.69 Cloudy
207

Aug
1 TUES. ~~27~~ at Jordan Flat Rock Hill
208 Return by Auto

WED. 6 PM 28.65 Fokker
28 H.E. Mr. Cargill Man
209 go to camp

THUR. 7 AM 28.76 Fair
3 ~~29~~ At Fenwick
210 Fokker + John Seaton go to Camp
Mr. Cargill here Rem 7 PM

FRI. 10 PM 28.67 Rem 6 PM
4 ~~30~~
211

SAT. 7 AM 28.67
5 ~~31~~ 10 AM go to Camp
212 Return at 6 PM

1911

31 DAYS. AUGUST. 1909.

8 AM 28.69 at Camp with Monteith & Smith
Rest & account with crews
Drought & daily diet
5th Sunday after Trinity.

SUN.

6

213

MON.

At Dr Savage's Dentist
Go to Camp with Parquell

2

214

TUES.

At Camp
At Jordan. To see
Deplan man -

3

215

At Camp for night
Fishing all day

WED.

4

216

9 PM 28.73

THUR.

1 AM 28.81
Ruby & Clifton home
Girls go to Camp

5

217

10 PM 28.80 Clear

9 AM 29.81 Fair

FRI.

1 PM 28.74

6

218

3:30 go to Camp
Catch 2 car fish

At Camp. Fair & sun

SAT.

Carpenter & Herring then

7

219

6 PM 28.85 Storm & rain

1911
31 DAYS. AUGUST, 1909.

SUN. Aug 8 - 28.92

188 AM 11/2 Mary & Sadie
220 Schools to dinner

9th Sunday after Trinity 10 PM 28.80 Rain

MON. Aug 9. 90

189 Rainy - John go to White Sulph.
221 to see the drawers & Russell

10 AM 28.75 Rain

TUES.

1510 Rain

222 10 PM 28.58

WED. 7 AM 28.63

1611 Fair

223 At Camp over night

John Seaton goes home

THUR. 8:15 AM 28.66 Fair

1712 ar Cornington see the

224 Carpenter & Delaney

look at corners in T ridge Hill

FRI. 6:30 AM 28.58 John Seaton

1813 Miss Elizabeth Jackson

225 arrive & go to camp

Ruby goes to Camp for night

SAT. 7 AM 28.63 Fair

1914 1 PM 28.57 ..

226

31 DAYS. AUGUST. 1909.

At Camp

Fair

SUN.

15

227

Swimming

10th Sunday after Trinity.

at Camp until 4:30 PM

Fair

MON.

MB, Bass, and Sam Seaton

16

228

up
all

Laban Patton arrives by auto

10 PM 28.74 from Ashland via

Patton's Islander
with many lumbermen

TUES.

7 AM 28.80

Fair

17

229

6 PM 28.74 Camp ended

at Clifton trap with 1000 Deer

Jan 28.84

Fair

Fair

WED.

18

230

Party of 11 at White

Sulfur Springs with

Russell & Travers

7 AM 28.90

Fair

THUR.

19

231

Ruby MB & Bass Seaton

Med & Laban Patton hemisling

10 PM 28.69 in Auto

up

7 AM 28.69

FRI.

20

232

at New Ford bridge with

Milkman

Rain

glac

10 PM 28.67

Jan 28.71

Rain

SAT

21

233

Laban Patton leaves

31
DAYS. AUGUST. 1909.

SUN.
22

At home with
Sasha - Mary

234

10 PM 28.72

11th Sunday after Trinity. Rain at night

MON. 28.71

23

235

Tennis Rain

Leave for New York

TUES.

Arrive N.Y. noon

24

lunch at N.Y.A.

236

Dinner 6:30 at hotel after

See "Woman Me" - Night w/ Mrs.

WED.

25

237

Lunch at N.Y.A.

Rain

Leave for home 5:08 PM

THUR.

28.67 Rain

26

238

Tennis

10 PM 28.70

FRI.

Fair

27

Supper party.

239

Ruby + H.L. dress as men

11 PM 28.80

SAT.

28.82 - Ruby + H.L. Fair

28

Bunch + Miss Taber

240

Go to Hot Springs

10 PM 28.70 car arrival

31 DAYS. AUG. 30 DAYS. SEPT. 1909.

SUN
29
241

Williams Preaches

Fair

9 AM 28.88 12th Sunday after Trinity.

MON.
30
242

At Sweet Cholly beach

with H.E. Bush, John + Bess

10 PM 28.88

TUES.
31
243

7 AM 28.82

2 PM 28.73

Cloudy

10 PM 28.65 Miss Elizabeth Terhune leaves

SEPTEMBER.

WED.
6

Go to Allow with field

Chas leaves on train down RR

Go over new road to Fayetteville. Partly built.

THUR.

Dinner with Sam Jordan

at home on train

Home on 102 40' late

Saw 28.94 Fair

FRI
3
246

6 PM 28.97

7 AM 28.96 at Hollyden Mines

SAT.
4
247

6 PM 28.80

30
DAYS.

1911
SEPTEMBER. 1909.

SUN. ~~8 AM~~ 28.87

105 Cress Ringo here
248

13th Sunday after Trinity.

MON.

116 Cress leaves for home
249 rain all night or 1 PA

LABOR DAY

10 PM 28.54

TUES.

127 6 PM 28.59
250 Shows
Buckner leaves
for Boston

WED.

138 7 AM 28.76 Cloudy
251 Ruddy goes to Groton
1 PM 28.81

10:40 PM 28.90 Temp 50

THUR.

149 7 AM 29.01
252 Fair

10 PM 28.93

FRI.

1510 7 AM 28.86 Rain
253 at Covington. Dedication
New Court House & Confession
Monument

SAT.

1611 7 AM 28.72
254 Fishing by Cowpasture
with John & Cargill

30 DAYS. SEPTEMBER. 1909.

10 PM 28.79

Fair SUN. 12/17
255

14th Sunday after Trinity.

1 AM 28.84

MON.

7 PM 28.75

13/18
256

leave for N.Y.

at hotel Seville

Fair TUES. 14/19
257

go with Mack to see
The Siren

Quarterly Meeting

WED.

held at Lyman's office

15/20
258

at Maynards for supper ^{no lunch} there

THUR.

Leave for home

16/21
259

at Covington in P.M.

FRI.

to see Delaney, Parish

17/22
260

Fair

~~at Covington~~

SAT.

at a dinner at Hotel

18/23
261

11 PM Covington fire lighted

30
DAYS.

SEPTEMBER. 1909.

SUN.

15th 78.91 Fair

24 19

262

7 PM bleed on at Comptroller

15th Sunday after Trinity.

MON.

at Comptroller Fair

25 20

263

Mrs Caldwell here

10 PM 78.87

TUES.

on Comptroller Fair

26 21

264

with Ross Howell

at 7 9.6 - one 7 3/4 lbs

home at 8 PM

WED.

7 AM 78.92 Fair

27 22

265

I have Heavy Cold

10 PM 78.80

THUR.

Office in AM and PM

28 23

266

at home with cold

Williams Presbyterian Services

FRI.

SAM 28.64 Rain

29 24

267

PM at home with cold

SAT.

SAM 28.82 Fair

30 25

268

10 PM 53°F

at home with cold for PMA

30
DAYS.

SEPT.

31
DAYS.

OCT. 1909.

8 AM 28.84

SUN.

26

269

10 PM 28.53 16th Sunday after Trinity.

7 AM 28.57 Rain

MON.

27

270

8 PM 28.60

John + I go to Phila

Mrs Ring + Roalts

Take John to see

Dr John Teller

See "Spring Maid"

Take John to Dr LT Ashcraft

Call on Heam

John goes to Mary's Mission

6:45 Take John to Hahnemann Hospital

11:30 John operated on by

Dr LT Ashcraft, JF Rowland

& Hartley - operation 2 hours

Attend V.P. I luncheon

See Ann at Hospital

lunch at Warranburg's Store

See Heam + John

luncheon home

At Jordan with Matthews

Theyer, Johnson, Heman

Delany Parish, Mild + Saint

Sample at Parishes

WED.

29

272

THUR.

30

273

FRI.

1

274

SAT

2

275

31
DAYS. OCTOBER. 1909.

SUN. 7 AM 28.98 - Cold

3 4 cloudy
Heymann here

276 Cornmeal to see East

17th Sunday after Trinity
Call at Mills

MON. 8 AM 28.94 - Cold Cloudy

4 12 " 28.90 Fair

277

Heymann leaves

TUES. 9 AM 28.94 Rain

5 12 M 28.97 all day

278

WED. 7 AM 28.89 Fog

6 at Georgetown

279 at Carrolls for supply

THUR. 7 AM 28.70 Clear

7

280

FRI. 7 AM 28.84 Fog

8 4 PM Fair

281 on Potts Creek 5

SAT. 7 AM 28.82 Fog

9 on Jackson River

282 6 PM Rain

21
DAYS. OCTOBER. 1909.

SAM 28.72

SUN 15
10

Fair
at Cornington 4 PM
18th Sunday after Trinity.

7 AM 28.82

MON.
16
284

at Cornington Fair

9 PM 28.99

6 AM 28.70

TUES.
17
285

Home for Asford
Rain

at Cornington Meeting

WED.
18
286

Home 12 PM Fair

8 AM 28.72 Fair

THUR.
19
287

Phil Pendleton & Wm
Newson married at Asford

SAM 28.82

FRI.
20
288

Fair

1:30 AM 28.82

SAT.
21
289

Wagon & Chappell here
at Asford for dinner

31
DAYS. OCTOBER. 1909.

SUN.

17 Arrive Philadelphia
with Her + Ruby dine at St James
290 He goes to Bryllow
19th Sunday after Trinity. Rain

MON.

18 Morning at hospital
with John - Afternoon
291 with Mr Heame

TUES.

19 Go to New York on 9 AM
dine at hotel Seville
292 Dine with Mack + John Brown

Chophouse - See Hippodrome

WED.

20 Directors Meeting -
Lepian Mineral AM. White,
293 Haul White Pierre pour reef.

Go to Phila

THUR.

21 see Phila. "Athletics"
win final game World Series
294 over New York "Giants" - 13 to 2
2020' - Leave on 7:36 PM

FRI.

22 28.87 Home on No 3
295

SAT.

23
296

31
DAYS.

OCTOBER. 1909.

8 AM 28.89

Cloudy

24
SUN.
24

10:30 PM to 5 PM - Covington

Rolling Spring Hill & Cross Keys R. Trip

Wilkinson Monteth Simpson 20th Sunday after Trinity.

7 AM 28.89

Fair

MON.
25

298

Ruby + John arrive on
No 3 after 4 weeks absence

TUES.
26

299

12 M 28.74

9 AM 28.79 Rain

WED.
27

300

10 PM 28.97 Fair

At Covington to see Delaney

7 AM 29.06 Windy

THUR.
28

301

At garden with Monteth and

Will dinner at Hawkerts

7 PM hawthorn shops burn

7 AM 29.33 Temp 20

FRI.
29

302

Delaney at home here

10 PM 29.70

Fair

7 AM 29.14 32.0 P

SAT.
30

303

10 PM 29.04 Fair

31 OCT. 30 NOV. 1909.
DAYS. DAYS.

SUN. 5 AM 29.06
304 3 PM John R + Jq. to Court
7:30 PM William's Preaches
21st Sunday after Trinity.

MON. 7 AM 28.86 NOVEMBER. Rain
1 all day
305 6 PM 28.60
10 PM 28.58 Clear

TUES. 8 AM 28.59 clear
2 Election Day
306 10 PM 28.68
Rushmore, Fadden died Sunday

WED. 7 AM 28.76 Hair
3 noon 28.73 cut
307 6 PM 28.72
10 PM 28.73 Rain

THUR. 7 AM 28.72 Rain
4 at order with Hays
308 Mathew + McLaughlin

FRI. 5 AM 28.75
309 5 In all at Cornington
leave on No 14 for Lyndalby
to see Randolph Harrison

SAT. 6 AM 28.75
310 6 arrive Richmond 8:35
see Press Stevens
Lyman leaves at noon for NY
and I at 2 PM

30
DAYS.

NOVEMBER. 1909.

4 PM 28.58 - Rain Wind **SUN.**

6 PM 28.84 **17**

Southwest + Cloudy -

180 F 220 Sunday after Trinity.

7 AM 29.08 Fair Windy **MON.**

8

10 PM 29.15

9 AM 29.04 Cloudy **TUES.**

9 PM 28.73 **9**

10 PM 28.62 Rain

8 AM 28.48 Wind **WED.**

on bridge over to Johnson City

Carroll at Charleston to

see Juneteer

7 AM 28.80 **THUR**

Miss Bixley Arrives + goes

to the station for wedding

1 AM 28.94 **FRI.**

at Covington with John Carroll **12**

King of Diamonds here

10 PM 28.00

8 AM 28.76 Rain **SAT.**

Windy **13**

6 PM 28.35

at home in PM **317**

19 ³⁰ DAYS. NOVEMBER. 1909.

SUN. 10 am 28.60 Snow

14 at home all day
318 with cough

230 Sunday after Trinity

MON. 28.66

15 ~~at~~ hymen & Lawrence here
319 10 min Rich Paton & Holly Ann
weds up to be in 10 PM 28.69

TUES. 8 am 28.72 Blessting Sun

16 7 min low at 9:45 AM
320 11 min go to Jordan
Herald photo at 10:45 PM

WED. 8 AM 29.03 20 min

17 Pierre part at 8:30
321 12 min at 9:30
all leave at 9:30 PM

THUR. 5 min in by 9:30 AM

18 at 10 min at 10:30
322 13 min Simon & Stouffer
10 PM 28.68 Rain

FRI. 7 am 28.41 Rain

19 12 PM 28.49 Windy
323 24 min at 7:15 for lunch
10 PM 28.70

SAT. 7 AM 28.74 Snow 1/2 inch

20 5 AM 28.67 Fair

324

30 DAYS. NOVEMBER. 1909.

9 AM 28.74 Fair - 28.0

SUN. 26

325

10 PM 28.85 24th Sunday after Trinity.

9 AM 28.95 Fair

MON.

~~22~~

326

Mrs Ringo returns

11 PM 28.85

7 AM 28.60 Rain

TUES.

23

327

Mrs Will Sr to supper

6 PM 28.36

Windy

7 AM 28.59

WED.

24

328

6 AM 28.76 - 10 PM 29.81

7 AM 28.87

26° THUR

25

329

Rev Lynch preaches

10 PM 28.85

THANKSGIVING DAY.

7 AM 28.89

Fair

FRI.

26

330

Hunting in PM at Mud Tunnel

6 PM 28.78

SAT

27

331

1911

See

30 DAYS. NOV. 31 DAYS. DEC. 1909.

SUN. 29.70 Fair 8 AM
28 28.54 Rain 5 PM
332

1st Sunday in Advent.

MON. Dr. Jackson & bride
29 on Min. Grace Parish
333 Arrive

10 PM 29.11 Fair

TUES. 7 AM 29.15
30 Injunct. papers by
334 mail received - District
warrants served
6 PM 29.10

WED. DECEMBER.

1 Arrive Phila 9:15 AM
335 See Haldane of the Am. ...
See the Trail of K... ..

THUR. 2
336 In P.M. ...
Task ...

FRI. 3
337 Cys to ...
See hymn ...
Prayer & ...

SAT. 4
338 10 PM 29.05 76° F

31 DAYS. DECEMBER. 1909.

8 AM 28.92 Fair
John Dick Cold

SUN.
5/0
339

2d Sunday in Advent.

10 PM 28.89 Fair
at Cornington

MON.
6/11
340

10 PM 28.93

at Cornington Cloudy
over

TUES.
7/12
341

10 PM 28.78

7 AM 28.70

Cloudy
Fair

WED.
8/13
342

10 PM 28.92

at Cornington

THUR.
9/14
343

10 PM 28.85 Rain

7 AM 28.71

Rain

FRI.
10/15
344

10 PM 28.64

7 AM 28.50

6 PM 28.48

Rain

SAT. 16
11
345

1911

31 DAYS. DECEMBER. 1909.

17 SUN. ~~28.91~~ ~~at Compton~~

12 346 6 PM - 28.91

3d Sunday in Advent 10 PM 28.94

MON. 29.05 steam

18 13 347 Fair

29.13 - 10 PM

TUES 29.16 7 am - 22° F

19 14 348 Compton am Fair

29.18 - 6 PM 29.18 - 10 PM

WED. 29.14 - 12m - 19° F

20 15 349 at Compton PM Fair
6 PM - 29.06

THUR. 29.96 - 7 am - H.S. beam

21 16 350 Rain
6 PM 28.93
go to beam for Culti on #5

FRI. at Cincinnati

22 17 351 punch at Queen City Club
with Jim Clark

Min with Walters at Ben in hotel

SAT. Home

23 18 352 known 28.53 6 PM 28.61

31 DAYS DECEMBER. 1909.

9 AM 28.70

SUN
19
353

Bunch comes home

10 PM 28.97 4th Sunday in Advent.

Christmas 28.89

4:30 AM John up
7 AM 28.89

MON.
20
354

W

6 PM 28.55

10 PM 28.44 Rain

7 AM 28.33
Bunch at
Clifton Ave

TUES.
21
355

5 AM 28.33

WED.
22
356

At Court st - leave for
hwy ch bus at 5:14 PM

at Hotel Central with Delaney

9 AM to 2:30 PM at Randolph

Harrison's office - Potts Creek

9 PM 29.10 Fair & cold

8 AM 29.20 18° F

Reelby gone Fair

Reception for Mrs. Wilder

THUR.
23
357

5 AM 29.06

6 PM 28.86

Bunch leaves for Boston

SAT.
25
359

Christmas Day.

1911

31 DAYS. DECEMBER. 1909.

SUN.

26

360

Sum 28.62

3 PM 28.46 Cloudy

5 PM 28.46 mild

Sunday after Christmas

10 PM 28.58

MON.

27

361

1912

TUES.

28

362

WED.

29

363

THUR.

30

364

FRI.

31

365

SAT.

1

JANUARY, 1910.

1

NEW YEAR'S DAY.

SUMMARY OF CASH ACCOUNT.

JAN.		RECEIVED.		PAID.
FEB.				
MAR.				
APRIL				
MAY				
JUNE				
JULY				
AUG.				
SEPT.				
OCT.				
NOV.				
DEC.				

**BLANK
PAGE(S)**

ELECTRICAL FACTS

Electricity, according to Prof. Silvanus P. Thompson, is the name given to an invisible agent known to us only by the effects which it produces, and in many ways its behavior resembles that of an incompressible liquid, or that of a highly-attenuated and weightless gas. It is neither matter nor energy, yet it apparently can be associated or combined with matter; and energy can be spent in moving it. Under pressure or in motion it represents energy, the same as air or water. Always constant in quantity, it can never be created or destroyed. There is no flow of water without a difference of levels. No manifestation of electric action without a difference of electrical pressure. Electricity in quantity without pressure is useless. In mechanics, a pressure is necessary to produce a current of air or water. In electricity, an electromotive force is necessary to produce a current. Mechanical phenomena are measured in pounds, feet or gallons. Electrical phenomena are measured in units of their own.

The UNIT of electrical pressure is the VOLT. It is analogous to steam pressure. It is the abbreviation of the name of VOLTA, in honor of Count Alessandro Volta, born at Como, February 18, 1745.

The UNIT of electric current is the AMPERE. It is a unit of the rate of flow or stream. It is in honor of Andre Marie Ampere, the founder of the science of electro-dynamics, born at Lyons, January 22, 1775.

The UNIT of electrical resistance is called the OHM. It is in honor of George Simon Ohm, born at Erlangen, Bavaria, March 16, 1789. He was the discoverer of the fact that the flow of electricity was governed by fixed laws. By Ohm's law we define and measure electromotive force, strength of current and resistance.

OHM'S LAW connects the three units, volt, ohm and ampere. The current in any circuit is directly proportional to the electromotive force, and inversely proportional to the resistance. The units are so chosen that when there is one ohm resistance in circuit an electromotive force of one volt produces a current of one ampere.

Ohm's law is :

$$\text{Current in amperes} = \frac{\text{Electromotive force in volts.}}{\text{Resistance in ohms.}}$$

Abbreviated into : C, current ; E, volts ; R, resistance.

$$1. \quad C = \frac{E}{R} \qquad 2. \quad E = CR. \qquad 3. \quad R = \frac{E}{C}$$

(1.) A dynamo with an electromotive force of 60 volts will send through a resistance of 5 ohms a current of 12 amperes.

$$C = \frac{60}{5} = 12 \text{ amperes.}$$

(2.) A dynamo to send a current of 2 amperes through a resistance of 25 ohms must have an electromotive force of 50 volts.

$$E = 2 \times 25 = 50 \text{ volts.}$$

(3.) The resistance of a circuit when an electromotive of 800 volts sends a current of 10 amperes through it will be 80 ohms.

$$R = \frac{800}{10} = 80 \text{ ohms.}$$

The WATT is the unit of power, and is equivalent to one ampere multiplied by one volt, or $C \times E = \text{watt}$. A KILO-WATT is equivalent to 1,000 watts. The mechanical horsepower is equal to 746 watts, or for approximate computations is taken as 750 watts, equivalent to $\frac{3}{4}$ of a kilowatt.

A dynamo electric machine converts energy in the form of dynamical power into energy in the form of electric currents, by the operation of setting conductors to rotate in a magnetic field. All dynamos are based upon the discovery made by Faraday, in 1831, that electric currents are made manifest in conductors by moving them in a magnetic field.

INTEREST LAWS OF STATES AND TERRITORIES

STATES AND TERRITORIES.	INTEREST LAWS.		STATUTES OF LIMITATIONS.		
	Legal Rate.	Rate Allowed by Contract.	Judgments, Years.	Notes, Years.	Open Accounts Yearly.
	Per ct.	Per ct.			
Alabama.....	8	8	20	6	3
Arkansas.....	6	10	10	5	3
Arizona.....	6	Any Rate.	5	4	3
California.....	7	Any Rate.	5	4	2
Colorado.....	8	Any Rate.	20	6	6
Connecticut....	6	6	(o)	(e)	6
Delaware.....	6	6	10	6½	3
D. of Columbia.	6	10	12	3	3
Florida.....	8	10	20	5½	2
Georgia.....	7	8	7	6½	4
Idaho.....	7	12	6	5	4
Illinois.....	5	7	20	10	5
Indiana.....	6	8	20	10	6
Iowa.....	6	8	20(d)	10	5
Kansas.....	6	10	5	5	3
Kentucky.....	6	6	15	15	5(a)
Louisiana.....	5	8	10	5	3
Maine.....	6	Any Rate.	20	6(c)	6§§
Maryland.....	6	6	12	3	3
Massachusetts..	6	Any Rate.	20	6	6
Michigan.....	5	7	10	6	6
Minnesota.....	7	10	10	6	6
Mississippi....	6	10	7	6	3
Missouri.....	6	8	10	10	5
Montana.....	8	Any Rate.	10(b)	8	5
Nebraska.....	7	10	5††	5	4
Nevada.....	7	Any Rate.	6	4	4
N. Hampshire..	6	6	20	6	6
New Jersey....	6	6	20	6	6
New Mexico....	6	12	7	6	4
New York.....	6	6††	20(n)	6	6§§
North Carolina.	6	6	10	3*	3
North Dakota..	7	12	10	6	6§§
Ohio.....	6	8	15(p)	15	6
Oklahoma.....	7	12	5(h)	5	3
Oregon.....	6	10	10	6	6
Pennsylvania..	6	6	5(f)	6½	6
Rhode Island..	6§	Any Rate.	20	6	6
South Carolina.	7	8	20	6	6
South Dakota..	7	12	10(l)	6	6
Tennessee.....	6	6	10	6	6
Texas.....	6	10	10††	4	2
Utah.....	8	Any Rate.	8	6	4
Vermont.....	6	6	8	6	6§§
Virginia.....	6	6	20	5*	2†
Washington....	6	12	6	6	3
West Virginia..	6	6	10	10	5
Wisconsin.....	6	10	20(n)	6	6
Wyoming.....	8	12	21	5	8

* Under seal, 10 years. † If made in State; if outside, 2 years.
 § Unless a different rate is expressly stipulated. † Under seal, 20 years. ‡ Store accounts; other accounts 3 years; accounts between merchants 5 years. †† New York has by a recent law legalized any rate of interest on call loans of \$5,000 or upward, on collateral security. ††† Becomes dormant, but may be revived.
 §§ Six years from last item. (a) Accounts between merchants 2 years. (b) In courts not of record 5 years. (c) Witnessed 20 years. (d) Twenty years in Courts of Record, in Justice's Court 10 years. (e) Negotiable notes 6 years, non-negotiable 7 years. (f) Ceases to be a lien after that period. (h) On foreign judgments 1 year. (i) Is a lien on real estate for only 10 years. (k) And indefinitely by having execution issue every 5 years. (l) Ten years foreign, 20 years domestic. (n) Not of record 6 years. (o) No limit. (p) Foreign. Domestic 6 years.

VALUABLE INFORMATION

In case of injury where Physician cannot be secured.

Extracts from Instructions "FOR FIRST AID TO IN-
JURED."

A SHOCK,—If faint and cold, give stimulant in small doses, once in fifteen or twenty minutes, and secure warmth by external application or rubbing.

BLEEDING FROM WOUND,—If from an artery, stop the current of blood to the wound by putting a compress or cloth pad over the artery. Fasten it firmly by a handkerchief or bandage, which may be tightened by twisting in a stick as a binder. The location of the artery can generally be determined by the throbbing sensation. If from a vein, apply pressure directly over the wound or by exposure or application of cold water.

Perchloride of Iron may be applied with cloth or lint. Keep the part elevated.

WOUNDS,—The part should be properly cleansed of all foreign matter, the edges brought together and fastened with strips of plaster; apply some anodyne solution; give stimulant, laudanum with brandy, if necessary.

BRUISES,—Apply tincture of arnica and worm-wood or hamamelis; keep well covered and warm.

POISONED WOUNDS, from bite of animals,—Treatment should be prompt. If possible, suck the wound thoroughly two or three minutes; cauterize with either nitric acid, chloride of zinc or nitrate of silver, use whisky freely internally.

STINGS OF INSECTS,—Apply spirits of ammonia.

POISONS,—GENERAL DIRECTIONS,—Give an emetic as soon as possible; tablespoonful of powdered mustard in a tumbler of warm water, or twenty grains of ipecac, after vomiting, give freely of warm drinks.

SPECIAL DIRECTIONS, in case of poisoning from **ARSENIC**, **CORROSIVE SUBLIMATE** **VERDIGRIS**, **BLUE VITRIOL** and from **VEGETABLES** kept in copper vessels,—Give emetic and white of egg, sweet oil and milk.

SUGAR OF LEAD,—Give emetic and epsom salt.

HEMLOCK, **ACONITE**, **BELLADONNA**, and **FOX GLOVE**,—Give emetic, then tannin and stimulants.

OPIUM, **LAUDANUM**, and **MORPHINE**,—Give an emetic, follow with strong coffee or white of an egg. Keep patient walking two or three hours, and extremities warm.

NUX VOMICA and **STRYCHNINE**,—Give emetic; afterwards from three to five grains of carb. ammonia every hour.

DROWNING,—Freely expose the face, neck, and chest in the breeze, except in severe weather. Turn the patient on the face, and elevate the body so that the water in the lungs may flow out at the nose and mouth. First, turn the patient slightly on his side, apply snuff or ammonia to the nostrils, dash cold water in the face, rubbing the body briskly until it is warm. To imitate respiration, turn the patient on his face, then turn the body gently but completely on the side and a little beyond, repeating these measures deliberately, efficiently, and perseveringly fifteen times a minute in all. This number of thoracic movements per minute acts with the natural order of respiratory thoracic dilations and contractions, corresponds with the slow movement of the heart, averaging something less than sixty pulsations per minute.

FOR CLEANING VARIOUS SUBSTANCES

ALABASTER,—Use strong soap and water.

BLACK SILK,—Brush and wipe it thoroughly, lay on table with the side intended to show, up; sponge with hot coffee strained through muslin; when partly dry, iron.

TO REMOVE STAINS or GREASE FROM OIL PAINT,—Use bisulphide of carbon, spirits of turpentine, or if dry and old, use chloroform. These and tar spots can be softened with olive oil and lard.

STAINS, IRON RUST, or INK FROM VELLUM or PARCHMENT,—Moisten the spot with a solution of oxalic acid. Absorb same quickly by blotting paper or cloth.

RUST FROM STEEL,—Take half ounce of emery powder mixed with one ounce of soap and rub well.

FRUIT SPOTS FROM COTTONS,—Apply cold soap, then touch the spot with a hair pencil or feather dipped in chlorate of soda, then dip immediately in cold water.

GREASE FROM SILKS,—Take a lump of magnesia, rub it wet on the spot, let it dry, then brush the powder off.

IRON RUST may be removed from white goods by sour milk.

SCORCH STAINS FROM WHITE LINEN,—Lay in bright sun.

MILDEW,—Moisten the spot with clean water; rub on it a thick coating of castile soap mixed with chalk scrapings; rub with end of finger, then wash off.

OIL MARKS ON WALL PAPER,—Apply paste of cold water and pipe clay, leave it on all night, brush off in the morning.

PAINT SPOTS FROM CLOTHING,—Saturate with equal parts turpentine and spirits of ammonia.

TO CLEANSE HOUSE PAPER,—Rub with a flannel cloth dipped in oatmeal.

BLACK CLOTH,—Mix one part of spirits of ammonia with three parts warm water, rub with sponge or dark cloth, clean with water, rub with the nap.

FURNITURE, FOR FINGER MARKS,—Rub with a soft rag and sweet oil.

CHROMOS,—Go over lightly with a damp linen cloth.

ZINC,—Rub with a piece of cotton cloth dipped in kerosene, afterwards with a dry cloth.

HANDS FROM VEGETABLE STAINS,—Rub with a slice of raw potato.

WINDOW GLASS,—Paint can be removed by a strong solution of soda.

TO CLEAN TINWARE,—Common soda applied with a moistened newspaper and polished with a dry piece, will make it look like new.

USEFUL INFORMATION

- To find diameter of a circle multiply circumference by .31831.
- To find circumference of a circle multiply diameter by 3.1416.
- To find area of a circle multiply square of diameter by .7854.
- To find surface of a ball multiply square of diameter by 3.1416.
- To find side of an equal square multiply diameter by .8862.
- To find cubic inches in a ball multiply cube of diameter by .5236.
- Doubling the diameter of a pipe increases its capacity four times.
- Double riveting is from 16 to 20 per cent. stronger than single.
- One cubic foot of anthracite coal weighs about 53 pounds.
- One cubic foot of bituminous coal weighs from 47 to 50 pounds.
- One ton of coal is equivalent to two cords of wood for steam purposes.
- A gallon of water (U. S. Standard) weighs $8\frac{1}{3}$ lbs. and contains 231 cubic inches.
- There are nine square feet of heating surface to each square foot of grate surface.
- A cubic foot of water contains $7\frac{1}{2}$ gallons, 1728 cubic inches, and weighs $62\frac{1}{2}$ lbs.
- Each nominal horse power of a boiler requires 30 to 35 lbs. of water per hour.
- To sharpen dull files lay them in dilute sulphuric acid until they are eaten deep enough.
- A horse power is equivalent to raising 33,000 lbs. one foot per minute, or 550 lbs. one foot per second.
- The average consumption of coal for steam boilers is 12 lbs. per hour for each square foot of grate surface.
- To find the pressure in pounds per square inch of a column of water, multiply the height of the column in feet by .434.
- Steam rising from water at its boiling point (212 degrees) has a pressure equal to the atmosphere (14.7 lbs. to the square inch).
- To evaporate one cubic foot of water requires the consumption of $7\frac{1}{2}$ lbs. of ordinary coal, or about 1 lb. of coal to 1 gallon of water.
- One-sixth of tensile strength of plate multiplied by thickness of plate and divided by one-half the diameter of boiler gives safe working pressure for tubular boilers. For marine boilers add 20 per cent. for drilled holes.
- No plate or bars of either Steel or Iron should be worked at a *black or blue heat* (say about 500°); the material will stand far more strain *either red hot or cold*, while at an intermediate point great risks will be run, and possibly strains produced which result in rupture later on.

POINTS OF CONSTITUTIONAL LAW

Congress must meet at least once a year.

Congress may admit as many new States as desired.

One State cannot undo the act of another.

By the Constitution every citizen is guaranteed a speedy trial by jury.

A power which is vested in Congress alone cannot be exercised by a State.

One State must respect the legal decisions and laws of another.

Congress cannot pass a law to punish for a crime already committed.

A person who commits a felony in one State cannot find refuge in another.

Bills for revenue can originate only in the House of Representatives, but the Senate may propose or concur with Amendments.

Treaties with foreign powers are made by the President and ratified by the Senate.

The Territories each have a delegate to Congress who is allowed the privilege of debate, but not the right to vote.

The Vice-President, who ex-officio presides over the Senate, has no vote in that body except in case of a tie ballot.

If the President holds a bill longer than ten days while Congress is in session it becomes a law without his signature.

An act of Congress cannot become a law over the President's veto except on a two-thirds vote of both houses.

The House of Representatives may impeach the President for any crime, but the Senate has the sole power to try all impeachments.

An officer of the United States Government is not permitted to accept any title of nobility, order of honor, except with the permission of Congress.

Amendments to the Constitution of the United States require a two-third vote of each House of Congress, and must be ratified by at least three-fourths of the States.

The President of the United States must be 35 years of age; a Senator, 30; a Congressman, 25; the President must have been a resident of the United States fourteen years.

A naturalized citizen is not eligible to the office of President of the United States. A male child born in a foreign land to American parents has an equal chance to become the President with one born on American soil.

The United States shall guarantee to every State a Republican form of government, and shall protect each of them against invasion, and on application of the Legislature or of the Executive (when the Legislature cannot be convened,) against domestic trouble.

WEIGHTS AND MEASURES

TROY WEIGHT.—24 grains=1 pwt.; 20 pwts.=1 ounce; 12 ounces=1 pound. Used for weighing gold, silver, and jewels.

APOTHECARIES' WEIGHT.—20 grains=1 scruple; 3 scruples=1 dram; 8 drams=1 ounce; 12 ounces=1 pound. The ounce and pound in this are the same as in Troy Weight.

AVOIRDUPOIS WEIGHT.—27 11-32 grains=1 dram; 16 drams=1 ounce; 16 ounces=1 pound; 100 pounds=1 cwt.; 2,000 pounds=1 short ton; 2,240 pounds=1 long ton.

1 oz. Troy = 480 gr.; 1 oz. Av. = 437½ gr.; 1 lb. Troy = 5,760 gr.; 1 lb. Av. = 7,000 gr.

DRY MEASURE.—2 pints=1 quart; 8 quarts=1 peck; 4 pecks=1 bushel.

LIQUID MEASURE.—4 gills=1 pint; 2 pints=1 quart; 4 quarts=1 gallon; 31½ gallons=1 barrel; 2 barrels=1 hogshead. Barrels and hogsheads vary in size.

TIME MEASURE.—60 seconds=1 minute; 60 minutes=1 hour; 24 hours=1 day; 7 days=1 week. 28, 29, 30, or 31 days=1 calendar month (30 days=1 month in computing interest); 365 days=1 year; 366 days=1 leap year.

CIRCULAR MEASURE.—60 seconds=1 minute; 60 minutes=1 degree; 30 degrees=1 sign; 90 degrees=1 quadrant; 4 quadrants=12 signs, or 360 degrees=1 circle.

LONG MEASURE.—12 inches=1 foot; 3 feet=1 yard; 5½ yards=1 rod; 40 rods=1 furlong; 8 furlongs=1 stat. mile; 3 miles=1 league.

MARINERS' MEASURE.—6 feet=1 fathom; 120 fathoms=1 cable length; 7½ cable lengths=1 mile; 5,280 feet=1 stat. mile; 6,085 feet=1 naut. mile.

MISCELLANEOUS.—4 inches=1 hand; 18 inches=1 cubit; 21.8 inches=1 Bible cubit; 2½ feet=1 military pace.

SQUARE MEASURE.—144 sq. inches=1 sq. foot; 9 sq. feet=1 sq. yard; 30¼ sq. yards=1 sq. rod; 40 sq. rods=1 rood; 4 roods=1 acre; 640 acres=1 sq. mile.

SURVEYORS' MEASURE.—7.92 inches=1 link; 25 links=1 rod; 4 rods=1 chain; 10 sq. chains or 160 sq. rods=1 acre; 640 acres=1 sq. mile or section; 36 sq. miles (6 miles square)=1 township.

CUBIC MEASURE.—1,728 cubic inches=1 cubic foot; 27 cubic feet=1 cubic yard; 2,150.42 cubic inches=1 standard bushel; 231 cubic inches=1 standard gallon; 1 cubic foot=about four-fifths of a bushel; 128 cubic feet=1 cord (wood); 40 cubic feet=1 ton (shipping).

METRIC EQUIVALENTS. LINEAR.—1 centimeter=0.3937 inches; 1 decimeter=3.937 inches=0.328 ft.; 1 meter=39.37 inches=1.0936 yards; 1 dekameter=1.9884 rods; 1 kilometer=0.62137 mile.

SQUARE.—1 sq. centimeter=0.1550 sq. in.; 1 sq. decimeter=0.1076 sq. ft.; 1 sq. meter=1.196 sq. yds.; 1 are=3,954 sq. rds.; 1 hektar=2.47 acres; 1 sq. kilometer=0.386 sq. mile.

VOLUME.—1 cubic centimeter=0.061 cubic in.; 1 cubic decimeter=0.0353 cubic ft.; 1 cubic meter, 1 ster=1.308 cubic yds., 0.2759 cd.; 1 liter=0.908 qt. dry, 1.0567 qts. liq.; 1 dekaliter=2.6417 gals., .135 peck; 1 hektoliter=2.8375 bus.

WEIGHTS.—1 gram=0.03527 ounce; 1 kilogram=2.2046 lbs.; 1 metric ton=1.1023 English tons.

APPROXIMATE METRIC EQUIVALENTS.—1 decimeter=4 inches; 1 meter=1.1 yards; 1 kilometer=⅝ of mile; 1 hektar=2½ acres; 1 ster, or cubic meter=¼ of a cord; 1 liter=1.06 qts. liquid, 0.9 qt. dry; 1 hektoliter=2½ bushels; 1 kilogram=2 1-5 lbs.; 1 metric ton=2,200 lbs.

BRIEF BUSINESS LAWS

The maker of a note that is lost or stolen is not released from payment if the amount and consideration can be proven.

Notes bear interest only when so stated.

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.

No grace is allowed in the majority of States on time notes after the time for payment expires. If not paid when due, the endorser, if any, should be legally notified to be holden.

Notes falling due on Sunday, or on a legal holiday, must be paid the day following as a rule.

A note made on a Sunday is void, also one dated ahead of its issue. It may be dated back at pleasure.

Contracts made on Sunday cannot be enforced.

Altering a note in any manner, by the holder, makes it void.

A note by a minor is void in some States, and in others it is voidable on judicial decision.

A contract made with a minor, or a lunatic, is void.

Notes obtained by fraud, or given by intoxicated persons, cannot be collected. It is a fraud to conceal a fraud. Signatures made with a lead pencil are good in law. The acts of one partner bind the rest.

Principals are responsible for the acts of their agents.

Each individual in a partnership is responsible for the whole amount of the debts of the firm, except in cases of a special partnership. The word "limited," in connection with a firm name, indicates that a limitation of responsibility for each member is fixed.

Ignorance of the law excuses no one. A receipt for money is not legally conclusive.

An agreement without consideration of value is void. "Value received" is usually written in a note, and should be, but it is not necessary. If not written, it is presumed by the law or may be supplied by proof.

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

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

An indorsee has a right of action against all whose names were on the bill when he received it.

An endorser of a note is exempt from liability if not served with notice of its dishonor within twenty-four hours of its non-payment.

If the letter containing the protest of non-payment be put into the post-office, any miscarriage does not affect the party giving notice.

Notes of protest may be sent either to the place of business or residence of the party notified.

Checks or drafts should be presented, without unreasonable delay, during business hours, but in this country, except in the case of banks, the time extends through the day and evening.

Written contracts concerning land must be under seal.

SURVEYORS' MEASURE

7.92 inches = 1 link. 4 rods = 1 chain.
 25 links = 1 rod.
 10 sq. chains or 160 square rods = 1 acre.
 640 acres = 1 sq. mile.
 36 sq. miles (6 miles sq.) = 1 township.

Cubic Measure.

1,728 cubic in. = 1 cub. ft. 128 cu. ft. = 1 cord (wood).
 27 cubic ft. = 1 cubic yd. 40 cub. ft. = 1 ton (shpg.).
 2,150.42 cubic inches = 1 standard bushel.
 268.8 cubic inches = 1 standard gallon.
 1 cubic foot = about four-fifths of a bushel.

Metric Equivalents.

Linear Measure.

1 centimeter = 0.3937 in.	1 in. = 2.54 centimeters.
1 decimeter = 3.937 in. = 0.328 feet.	1 ft. = 3.048 decimeters.
1 meter = 39.37 in. = 1.0936 yards.	1 yard = 0.9144 meter.
1 dekameter = 1.9884 rods.	1 rod = 0.5029 dekameter.
1 kilometer = 0.62137 mile.	1 mile = 1.6093 kilometers.

Square Measure.

1 sq. centimeter = 0.1550 } sq. in. }	1 sq. inch = 6.452 square centimeters.
1 sq. decimeter = 0.1076 } sq. ft. }	1 sq. foot = 9.2903 square decimeters.
1 sq. meter = 1.196 sq. yds.	1 sq. yd. = 0.8361 sq. meter.
1 are = 3.954 sq. rds.	1 sq. rod = 0.2529 are.
1 hektar = 2.47 acres.	1 acre = 0.4047 hektar.
1 sq. kilometer = 0.386 } sq. m. }	1 sq. mile = 2.59 square kilo- meters.

Measure of Volume.

1 cu. centimeter = 0.061 } cu. in. }	1 cu. inch = 16.39 cu. centi- meters.
1 cu. decimeter = 0.0353 } cu. ft. }	1 cu. foot = 28.317 cu. deci- meters.
1 cu. m'r } = { 1.308 cu. yds.	1 cu. yd. = 0.7646 cu. meter.
1 ster } = { 0.2759 cd.	1 cord = 3.624 sters.
1 liter = { 0.908 qt. dry.	1 qt. dry = 1.101 liters.
	1 qt. liq. = 0.9463 liter.
1 dekaliter = { 2.6417 gals.	1 gal. = 0.3785 dekaliter.
	1 peck = 0.881 dekaliter.
1 hektoliter = 2.8375 bushels.	1 bush. = 0.3524 hektoliter.

Weights.

1 gram = 0.03527 ounce.	1 ounce = 28.35 grams.
1 kilogram = 2.2046 lbs.	1 lb. = 0.4536 kilogram.
1 metric ton = 1.1023 Eng- lish tons. }	1 English ton = 0.9072 met- ric ton.

Approximate Metric Equivalents.

1 decimeter = 4 inches.	1 liter { 1.06 qts. liquid. = { 0.9 qt. dry.
1 meter = 1.1 yards.	1 hektoliter = 2 2/3 bushels.
1 kilometer = 2/3 of mile.	1 kilogram = 2 1-5 lbs.
1 hektar = 2 1/2 acres.	1 metric ton = 2,200 lbs.
1 ster. or cu. meter = 1/4 } of a cord. }	

U. S. DEPARTMENT OF AGRICULTURE

Weather Bureau.

Explanation of Flag Signals.

No. 1. No. 1, alone, indicates fair weather,
stationary temperature.

White Flag.



Clear or Fair.

No. 2, alone, indicates rain or snow,
stationary temperature.

No. 2.

Blue Flag.



Rain or Snow. No. 1, with No. 4 above it, indicates
fair weather, warmer.

No. 3, alone, indicates local rain,
stationary temperature.

No. 3.
White and
Blue Flag.



Local Rains.

No. 1, with No. 4 below it, indicates
fair weather, colder.

No. 2, with No. 4 above it, indicates
warmer weather, rain or snow.

No. 2, with No. 4 below it, indicates
colder weather, rain or snow.

No. 4.

Black Triang-
ular Flag.



Temperature.

No. 3, with No. 4 above it, indicates
warmer weather, with local rains.

No. 3, with No. 4 below it, indicates
colder weather with local rains.

No. 1, with No. 5 above it, indicates
fair weather, cold wave.

No. 5.

White Flag,
Black Center.



Cold Wave.

No. 2, with No. 5 above it, indicates
wet weather, cold wave.

Forecasts made at 10.00 A. M., and
displayed between 12.00 and 1.00
P. M., forecast the weather for the
following day until 8.00 P. M.

PRESIDENTS OF THE UNITED STATES

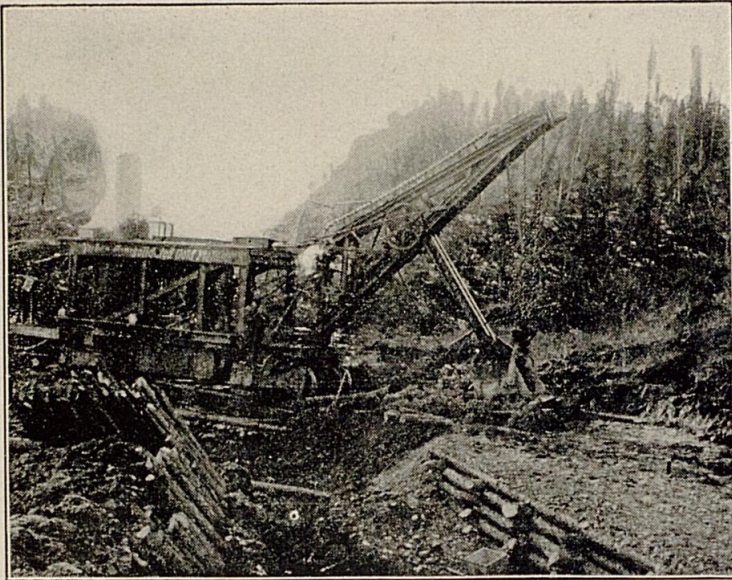
No.	NAMES.	Born.	Inaugurated.	Term of Office.	Died.	Residence when elected.	Political Party.
1	George Washington.....	Feb. 22, 1732	April 30, 1789	8 years.....	Dec. 14, 1799	Virginia...	Federal.
2	John Adams.....	Oct. 31, 1735	March 4, 1797	3 years.....	July 4, 1826	Mass.....	Federal.
3	Thomas Jefferson.....	April 2, 1743	March 4, 1801	8 years.....	July 4, 1826	Virginia...	Republican.
4	James Madison.....	March 16, 1751	March 4, 1809	8 years.....	June 28, 1836	Virginia...	Republican.
5	James Monroe.....	April 28, 1758	March 4, 1817	8 years.....	July 4, 1831	Virginia...	Republican.
6	John Quincy Adams.....	July 11, 1767	March 4, 1825	4 years.....	Feb. 23, 1848	Mass.....	Coalition.
7	Andrew Jackson.....	March 15, 1767	March 4, 1829	8 years.....	June 8, 1845	Tennessee.	Democrat.
8	Martin Van Buren.....	Dec. 5, 1782	March 4, 1837	4 years.....	July 24, 1862	New York.	Democrat.
9	Wm. H. Harrison.....	Feb. 9, 1773	March 4, 1841	1 month.....	April 4, 1841	Ohio.....	Whig.
10	John Tyler.....	March 29, 1790	April 6, 1841	3 yrs. 11 mos...	Jan. 18, 1862	Virginia...	Whig.
11	James K. Polk.....	Nov. 2, 1795	March 4, 1845	4 years.....	June 15, 1849	Tennessee.	Democrat.
12	Zachary Taylor.....	Sept. 24, 1784	March 4, 1849	1 year 4 months	July 9, 1850	Louisiana.	Whig.
13	Millard Fillmore.....	Feb. 7, 1800	July 9, 1850	2 years 8 mos..	March 7, 1874	New York.	Whig.
14	Franklin Pierce.....	Nov. 23, 1804	March 4, 1853	4 years.....	Oct. 8, 1869	N. Hamp..	Democrat.
15	James Buchanan.....	April 23, 1791	March 4, 1857	4 years.....	June 1, 1868	Penn.....	Democrat.
16	Abraham Lincoln.....	Feb. 12, 1809	March 4, 1861	4 years 40 days.	April 15, 1865	Illinois....	Republican.
17	Andrew Johnson.....	Dec. 29, 1808	April 15, 1865	3 yrs. 10½ mos.	July 31, 1875	Tennessee.	Republican.
18	Ulysses S. Grant.....	April 27, 1822	March 4, 1869	8 years.....	July 23, 1885	Illinois....	Republican.
19	Rutherford B. Hayes.....	Oct. 4, 1822	March 5, 1877	4 years.....	Jan. 17, 1893	Ohio.....	Republican.
20	James A. Garfield.....	Nov. 19, 1831	March 4, 1881	6½ months.....	Sept. 19, 1881	Ohio.....	Republican.
21	Chester A. Arthur.....	Oct. 5, 1830	Sept. 20, 1881	3 yrs. 5½ mos..	Nov. 18, 1886	New York.	Republican.
22	Grover Cleveland.....	March 18, 1837	March 4, 1885	4 years.....	.....	New York.	Democrat.
23	Benjamin Harrison.....	Aug. 20, 1833	March 4, 1889	4 years.....	March 13, 1901	Indiana...	Republican.
24	Grover Cleveland.....	March 18, 1837	March 4, 1893	4 years.....	June 24, 1908	New York.	Democrat.
25	William McKinley.....	Jan. 29, 1843	March 4, 1897	4 yrs., 6 m., 10 d.	Sept. 14, 1901	Ohio.....	Republican.
26	Theodore Roosevelt.....	Oct. 27, 1858	Sept. 14, 1901	.....	.....	New York.	Republican.



**LITTLE GIANT
SPECIAL**
TRACTION WHEELS
32 TONS
1¼ CUBIC-YARD DIPPER

Making a cut through a heavily wooded district in a section of the country inaccessible to a larger shovel.

Owned and operated by
THE MINNESOTA & INTERNATIONAL R'Y
Minneapolis, Minn.



**LITTLE GIANT
SPECIAL**

HIGH CRANE

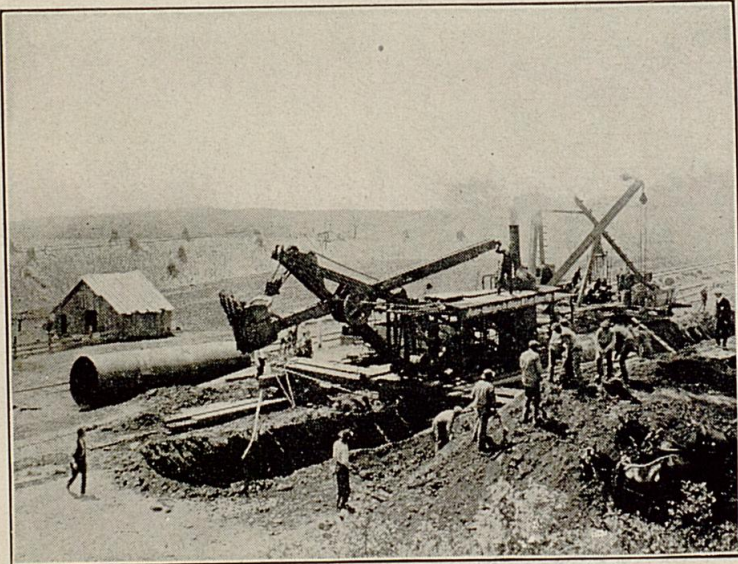
32 TONS

1¼ CUBIC-YARD DIPPER

Digging a canal in the Klondike
region for a water-supply system.

Owned and operated by
THE YUKON GOLD CO.

Dawson, Yukon Ter.



LITTLE GIANT TRENCH SHOVEL

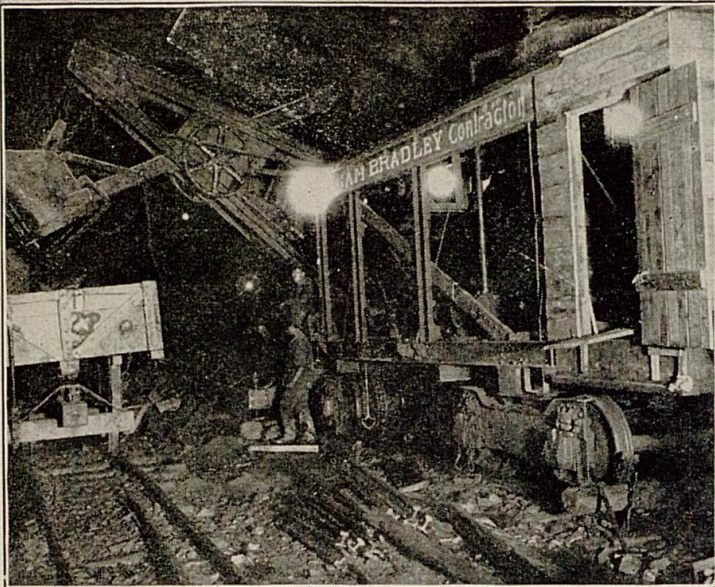
30 TONS

1 CUBIC-YARD DIPPER

Digging a trench 20 feet deep
and 20,000 feet long for a 7-foot
pipe line in St. Louis, Mo.

Owned and operated by
PARKER-WASHINGTON CO.

St. Louis, Mo.



LITTLE GIANT
SPECIAL
TUNNEL SHOVEL

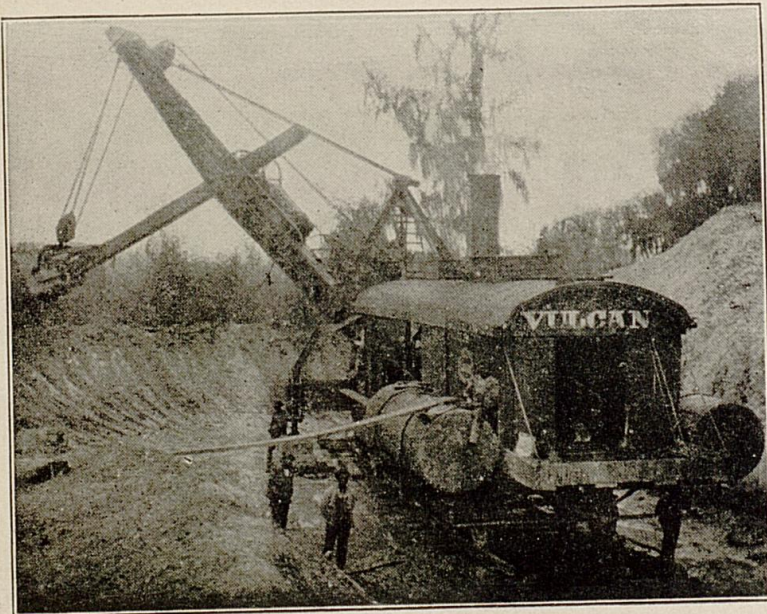
35 TONS

1 CUBIC-YARD DIPPER

Loading blasted rock in the Bergen Hill tunnel under the Hudson River, for the Pennsylvania R'y.

Owned and operated by
WM. BRADLEY
New York, N. Y.

CLASS "H" SPECIAL



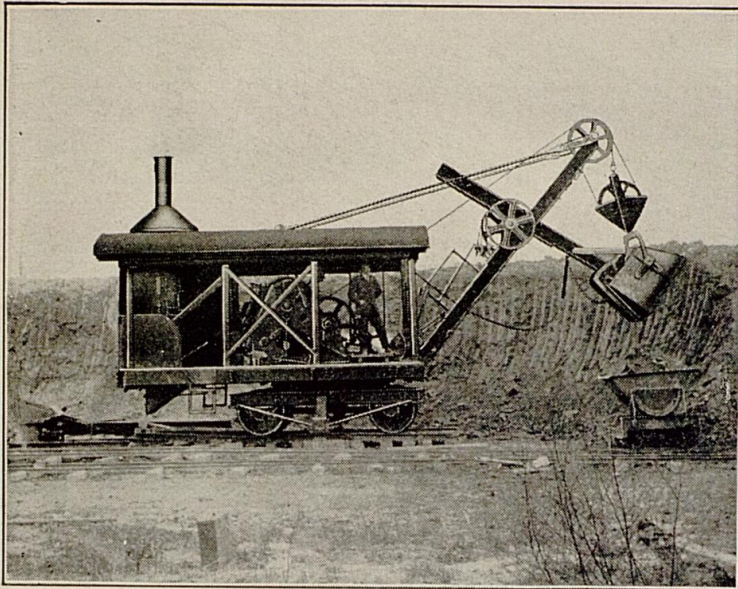
**CLASS "H" SPECIAL
STRIPPING SHOVEL**

90 TONS

1½ CUBIC-YARD DIPPER

Stripping phosphate mines in
South Carolina.

Owned and operated by
**THE CHARLESTON (S. C.)
MINING AND MANUFAC-
TURING CO.**
Charleston, S. C.



No. 1 STANDARD RE- VOLVING SHOVEL

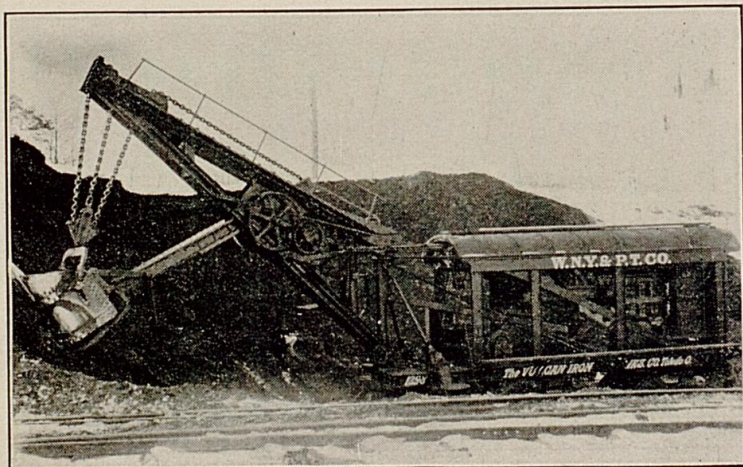
25 TONS

$\frac{3}{4}$ TO 1 CUBIC-YARD DIPPER

Digging clay for brick-making purposes.

This shovel digs and dumps on all sides, and for moderate outputs requires the services of but one man to operate it.

Owned and operated by
W. J. SPEAR
Toledo, Ohio



GIANT CLASS "F" ELECTRIC

45 TONS

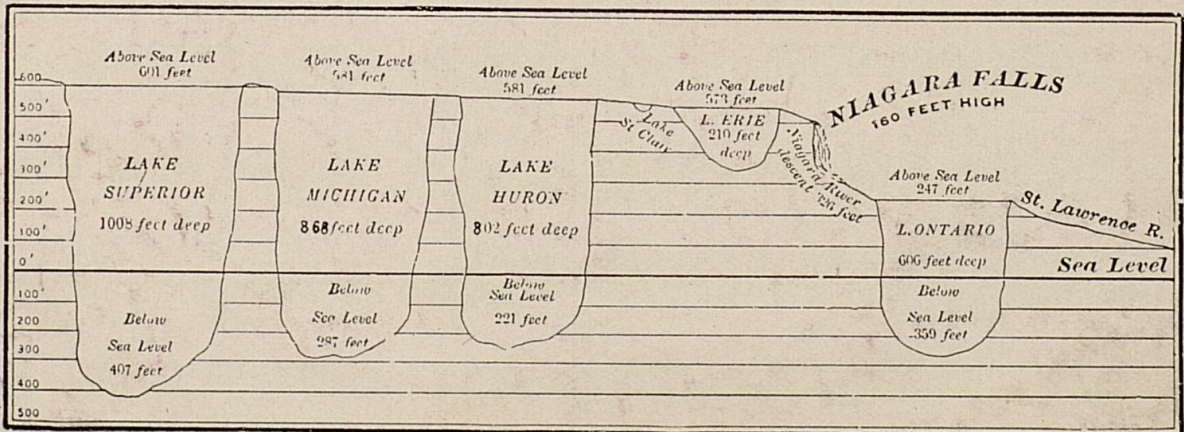
1½ CUBIC-YARD DIPPER

Digging gravel for ballasting.

Owned and operated by
THE WESTERN NEW YORK
AND PENNSYLVANIA
TRACTION CO.

Olean, N. Y.

LAKE LEVELS



YEARLY CALENDAR, 1910

JANUARY—1910.

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

FEBRUARY—1910.

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	..	..	..	..	..

MARCH—1910.

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..

APRIL—1910.

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
..

MAY—1910.

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..

JUNE—1910.

S	M	T	W	T	F	S
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	..	..
..

JULY—1910.

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

AUGUST—1910.

S	M	T	W	T	F	S
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..

SEPTEMBER—1910.

S	M	T	W	T	F	S
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	..

OCTOBER—1910.

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

NOVEMBER—1910.

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	..	..
..

DECEMBER—1910.

S	M	T	W	T	F	S
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..

