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### Calendar

**January (JAN.)**

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### The Length of Days

- At San Francisco the longest day has 14½ hours; at Boston, 15½; at Berlin and London, 16½; at Stockholm and Upsal, 16½; at Hamburg, Dantzic, and Stettin, 17, and the shortest 7. At St. Petersburg and Tobolsk the longest day has 19, and the shortest 5 hours. At Bornea, in Finland, the longest day has 21½, and the shortest 21½ hours.

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By A. L. Bancroft & Company.
In the office of the Librarian of Congress, at Washington.
FESTIVALS AND FASTS OF THE CHURCH.

Dates italicized apply only to 1874.

EPIPHANY is twelve days after Christmas, January 6th.

SHROVE SUNDAY, the first Sunday before Shrove Tuesday.—February 15th.

SHROVE TUESDAY is the first Tuesday after the first change of the moon in February.—February 17th.

ASH WEDNESDAY, the day after Shrove Tuesday.—February 18th.

The first of Lent is from Ash Wednesday to the feast of Easter, forty days.

The First Sunday in Lent is February 22d.

ST. PATRICK.—March 17th.

MIDLINT is the fourth Sunday from Shrove Tuesday.—March 15th.

CARLS SUNDAY, the fifth Sunday from Shrove Tuesday.—March 22d.

PALM SUNDAY, the 6th Sunday from Shrove Tuesday.—March 29th.

PASCH WEEK, the week after Palm Sunday.—March 29th.

Good Friday, the Friday in Passion Week.—April 3d.

EASTER DAY, the festival appointed in commemoration of Christ's Resurrection, is the seventh Sunday after Shrove Tuesday or the first after the full moon which happens on or after the 21st of March.—April 12th.

LOW SUNDAY is the first after Easter.—April 19th.

REGATION SUNDAY is the fifth after Easter.—May 10th.

ASCENSION Day, or HOLY THURSDAY, is the Thursday in Regation Week, the fourth day from Easter.—May 14th.

PENTECOST, or WHITSUN DAY, is the forty-ninth day, or seventh Sunday after Easter.—May 24th.

ST. JOHN BAPTIST'S DAY.—June 24th.

ST. PETER.—June 29th.

ST. MICHAEL.—September 29th.

ALL SAINTS' DAY.—November 1st.

ADVENT SUNDAY, the nearest Sunday to the feast of St. Andrew.—November 29th.

ST. ANDREW.—November 30th.

ST. THOMAS.—December 21st.

CHRISTMAS.—December 25th.

ST. STEPHEN.—December 26th.

ST. JOHN, EVANGELIST.—December 27th.

FASTS AND FEASTS FOR 1874.

Septuagesima Sunday ................ Feb. 1.

Shrove Sunday .......................... Feb. 15.

Ash Wednesday ......................... Feb. 18.

First Sunday in Lent .................. Feb. 22.

Palm Sunday ............................ March 29.

Good Friday ............................ April 3.

Easter Sunday ........................... April 9.

Low Sunday ............................. April 16.

Regation Sunday ....................... May 10.

Ascension Day .......................... May 10.

Whit Sunday ............................ May 14.

Trinity Sunday .......................... May 21.

First Sunday in Advent ................. Nov. 29.

Christmas Day .......................... Dec. 25.

HEBREW CALENDAR.

5634-5635.

[Prepared by Rev. Dr. H. A. Henry.]

Commencement { May 34, September 22-23, 1873.

Of the Year } 5635, September 12-13, 1874.

NEW MOONS.

Fasts and Feasts.

DATES.


Adar 13 ............ Fast of Esther .... Mon., March 2.

Adar 14-15 .... Purim .... Tu. & We., March 9-10.


Nisan 15-22, Pesach, Thu, to Thu, Apr. 2 to 9.

Yar ................ Fri. & Sat., April 17-18.

Yar, 18 .... Lag Baomer .... Tues., May 5.

Ivan ............... Sun., May 17.

Ivan, 6, 7, Shubot, Fri. & Sat., May 22-23.

Tammooz ............ Mon. & Tues., June 15-16.

Tammooz, 17 .... Fast .... Thurs., July 2.

Ab ............... Wed., July 15.

Ab, 3 .... Fast of Tisha Be'ezib .... Thurs., July 23.


Tissee, 10 .... Fast of Yom Kippur .... Mon., Sept. 21.


Tissee, 21 .... Hoshannah Rabbah .... Fri., Oct. 2.

Tissee, 22 .... Shemini Atzareth, Sat., Oct. 3.

Tissee, 23 .... Simchat Torah .... Sun., Oct. 4.

Heshvan ............. Sun. & Mon., Oct. 11-12.

Kiswee .... Tues., Nov. 10.

Kiswee, 25 .... Hanucah (first day) .... Fri., Dec. 4.

Kiswee, 10 .... Fast .... Fri., Dec. 18.

DIVISIONS OF TIME.

A Solar Day is measured by the rotation of the earth upon its axis, and is of different lengths, owing to the ellipticity of the earth's orbit and other causes; but a mean solar day, recorded by the time-piece, is twenty-four hours long. An Astronomical Day commences at noon, and is counted from the first to the twenty-fourth hour. A Civil Day commences at midnight, and is counted from the first to the twelfth hour, when it is recounted again from the first to the twelfth hour. A Nautical Day is counted as a civil day, but commences like an Astronomical Day, from noon.

A Calendar Month varies in length from 28 to 31 days. A Mean Lunar Month is 29 days, 12 hours, 44 minutes, 2 seconds, and 5.24 thirds.

A Year is divided into 365 days. A Solar Year, which is the time occupied by the Sun in passing from one Vernal Equinox to another, consists of 365.2425 solar days, or 365 days, 5 hours, 48 minutes, and 49.536 seconds. A Julian Year is 365 days. A Gregorian Year is 365.2425 days. Every fourth year is Bисenteile, or Leap Year, and is 366 days.
LOCATIONS

OF

Public Offices and Buildings

in

SAN FRANCISCO.

ACADEMY OF NATURAL SCIENCES, 622 Clay street.
ARMY HEADQUARTERS, 509 Market and 509 Kearney, streets.
ASSAY OFFICES:
California Assay Office, 512 California st.
Eureka Works, east side 12th street, bet. Howard and
Folsom.
Louis Falkenau, State Assayer, 421 Montgomery street.
Henry G. Hanks, 649 Clay street.
Hentsch & Berton, cor. Clay and Leidesdorff streets.
W. A. Langley, 334 Montgomery street.
Leopold Kuh, 611 Commercial street.
J. A. Mars, 512 California street.
P. Reichling & Co., 324 Montgomery street.
Riotte & Luckhardt, 21 First street.
S. F. Assaying and Refining Works, 416 Montgomery st.
John Scott, 423 Mission street.
W. L. Strong & Co., 10 Stevenson street.
B. B. Thayer, 1 New Montgomery street.
ASYLUMS:
Protestant Orphan, Laguna and Haight streets, near
Market street. R. R.
Roman Catholic Orphan, Market st., bet. Second and
Third.
Magdalen, Potrero Avenue, near Twenty-first street.
BANCROFT'S BOOK, STATIONERY AND MUSIC MERCANTILE AND
MANUFACTURING ESTABLISHMENT, 921 Market street.
BANKS AND BANKERS:
Bank of British Columbia, S. E. cor. California and
Sansome streets.
Bank of British North America, N. E. cor. California
and Sansome sts.
Bank of California, cor. California and Sansome sts.
Belloe Freres, 524 Montgomery street.
B. Davidson & Co., N. W. cor. Montgomery and
Commercial streets.
Domingo, Kelly & Co., S.E. cor. Montgomery and Sac-
rano streets.
First National Bank, (Gold.) N. W. cor. Montgomery
and Sacramento sts.
Hentsch & Berton, cor. Clay and Leidesdorff streets.
Hickox & Spear, 500 Montgomery street.
London and San Francisco Bank, 423 California st.
Merchant's Exchange Bank, 415 California street.
NATIONAL GOLD AND TRUST CO., N. E. cor. California
and Sansome Streets.

BANCROFT'S DIARY. — 1874.

BANKS AND BANKERS: Continued.
J. Seligman and Co., 412 California street.
Tallant & Co., N. E. cor. California and Battery
Streets.
Wells, Fargo & Co., N. W. c. Montgomery and California
streets.
BIBLE DEPOSITORY, 757 Market street.
BOARD OF BROKERS, San Francisco Stock and Exchange,
411 California st.
BOARD OF EDUCATION, 22 City Hall, 2nd floor, op. the Plaza.
BOARD OF SUPERVISORS, Room 3 City Hall, op. the Plaza.
CALIFORNIA STEAM NAVIGATION Co., N. E. cor. Front and
Jackson streets.
CHAMBER OF COMMERCE, New Merchants' Exchange, cor.
California and Leidesdorff sts.
CHINA AND JAPAN STEAMERS, cor. First and Bryant sts.
CHURCHES:
Baptist, First, north side Washington street, near
Stockton.
Baptist, Second, Columbia Square, west side Russ st.,
bet. Howard and Folsom.
Baptist, Third, (colored), east side Powell st., bet. Bush
and Sutter.
Baptist, Tabernacle, Post street, near Larkin.
Baptist, Union Square, Post street, near Powell.
Baptist, Fifth, Twenty-second st., near Howard.
Baptist Mission Chapel, Ninth street, near 1 street,
South San Francisco.
Chinese Mission House, N. E. cor. Sacramento and
Stockton streets.
Chinese Mission House of the M. E. Church, Washing-
ton street, bet. Stockton and Powell.
Congregationalist, First, cor. Mason and Post streets.
Congregationalist, Second, Taylor street, near Geary.
Congregationalist, Third, Fifteenth street, near Mission.
Congregationalist, Fourth, S. side Green, near Stock-
ton street.
Disciples Church of Christ, Druid's Hall, 413 Sutter st.
Episcopal, Grace, S. E. cor. California and Stockton sts.
Episcopal, Trinity, N. E. cor. Post and Powell sts.
Episcopal, St. John's, cor. Fifteenth and Valencia sts.
Episcopal, Advent, Howard st., op. New Montgomery.
Episcopal, St. James', Post street, near Mason.
Episcopal, St. Luke's, Pacific st., near Polk.
Episcopal, St. Peters, cor. Stockton and Filbert streets.
Episcopal, St. Albans, Cornithian Hall, Mechanics' In-
stitute Building.
Hebrew, Emanuel El Sutter, b. Stockton and Powell sts.
Hebrew, Sherith Israel, N. E. cor. Post and Taylor sts.
Hebrew, Ohabai Shalome, Mason, bet. Geary and Post
streets.
Hebrew, Beth Israel, Sutter street, near Stockton.
Hebrew, Shaaray Tzelek, Stockton street, between Pa-
cific and Broadway.
Lutheran, First, German, Mission street, b. Second
and Third.
Lutheran, St. Paul's, German, Mission st, b. Fifth
and Sixth.
**LOCATIONS OF PUBLIC OFFICES, ETC.**

**CHURCHES:** Continued.
Lutheran, St. Mark’s, German, south side of Geary Street, bet. Stockton and Powell.
Lutheran, Emmanuel, German, N. side Jessie street, bet. Sixth and Seventh.
Mariner’s Church, cor. Sacramento and Drumm sts.
Methodist Episcopal, Powell Street, west side Powell bet. Washington and Jackson.
Methodist, Howard Street, Howard street, bet. Second and Third.
Methodist, Central, Mission st., bet. Sixth and Seventh.
Methodist, Bush street, Bush street, bet. Divisadero.
Methodist, Minna St., Minna st., bet. Fourth and Fifth.
Methodist, Kentucky St., on the Potrero, N. L. Bridge.
Methodist, Mission Street, Mission st., bet. Eighteenth and Nineteenth.
Methodist, Seaman’s Bethel, Mission street, bet. First and Second.
Methodist, Bernal Wesleyan, Prospect Avenue, Bernal Heights.
Methodist, South San Francisco, on Fifteenth avenue, S. F.
Methodist, German, Folsom st., bet. Fourth and Fifth.
Methodist, German, north side Broadway, bet. Stockton and Powell sts.
Methodist, Zion Wesleyan, (colored), Stockton st., near Sacramento.
Presbyterian, First, Stockton street, near Clay.
Presbyterian, Calvary, cor. Geary and Powell sts.
Presbyterian, Howard, S. side Mission st., near Third.
Presbyterian, Larkin Street, c. Larkin and Pacific sts.
Presbyterian, Central, Tyler st., near Taylor.
Presbyterian, St. Johns, Post Street, bet. Mason and Taylor.
Presbyterian, Olivet, Tennessee street, near Siena, South San Francisco.
Presbyterian, Memorial, Eighteenth Avenue, near Railroad, South San Francisco.
Presbyterian, First German Mission, 524 Greenwich st., near Stockton.
Presbyterian, Emanuel, Harrison st., bet. Fifth and Sixth.
Presbyterian, Westminster, Fell street, b. Octavia and Laguna.
Presbyterian, United, Mason st., bet. Ellis and Eddy.
Reformed Protestant, Excelsior Hall, 711 Mission st.
Roman Catholic, St. Mary’s Cathedral, N. E. c. California and Dupont sts.
Roman Catholic, St. Francis, Vallejo street, bet. Dupont and Stockton sts.
Roman Catholic, St. Patrick’s, Mission st., bet. Third and Fourth.
Roman Catholic, St. Rose’s, Brannan st., near Fourth.
Roman Catholic, St. Boniface, (German,) Tyler st., bet Jones and Leavenworth.

**BANCROFT’S DIARY—1874.**

**CHURCHES** (continued.)
Roman Catholic, St. Ignatius, Market, bet. Fourth and Fifth streets.
Roman Catholic, Notre Dame, (French), Bush, between Dupont and Stockton streets.
Roman Catholic, Mission Dolores, S. W. cor. Sixteenth and Dolores sts.
Roman Catholic, St. Joseph’s, Tenth street, bet. Folsom and Howard sts.
Roman Catholic, St. Bridget’s, S. W. cor. Van Ness Avenue and Broadway.
Russian Church, 911 Jackson street.
St. Peter’s, Columbia street, near Twenty-fourth.
Spiritualists, Mechanics’ Institute Hall, 29 Post st.
Swedenborgian, New Jerusalem, O’Farrell street, bet. Mason and Taylor.
Unitarian, First, Geary street, near Stockton.
**CITY HALL,** Kearney street, opposite the Plaza.
**COAST SURVEY,** 629 Kearney street.
**COMMISSIONER OF IMMIGRATION,** 614 Merchant street.

**COURTS:**
District, County, and Probate, City Hall, op. the Plaza.

**DASHAWAY HALL,** Post street, near Dupont.

**EXPRESSES:**
Alameda and Contra-Costa, (Bamber & Co.) S. W. cor. Jackson and Davis streets.
Oakland and San Francisco, N. W. cor. Pacific and Davis streets.
San Francisco Transfer Company, 6 New Montgomery st.

**GAS COMPANIES:**
Metropolitan, office 304 Pine street.
City, office 411 ½ California street.
San Francisco, office S. E. cor. First and Natoma sts.

**HARBOR COMMISSIONERS,** 414 Montgomery street.

**HOSPITALS AND BENEVOLENT SOCIETIES:**
Alms House, near Lake Honda.
British, 730 Montgomery street.
County, S. W. cor. Francisco and Stockton streets.
French Mutual Benevolent Society, 808 Montgomery st.
German, 332 Washington street.
Italian, 430 Jackson street.
Marine, Rincon Point, cor. Mission and Fifteenth sts.
San Francisco Female, 917 Clay street, cor. Prospect pl.
S. F. Lying-In Hospital and Foundling Asylum, 269 Jessie street.
St. Mary’s Sisters of Mercy, cor. Bryant and First streets.

**INDIAN AGENT,** 224 Kearny street.

**INDUSTRIAL SCHOOL,** Office, U. S. Court building.
**INTERNAL REVENUE:** Office, U. S. Court building.

**LADIES’ PROTECTION AND RELIEF SOCIETY,** Franklin street, between Post and Geary streets.

**LAND OFFICE,** 506 Jackson street.
LOCATIONS OF PUBLIC OFFICES, ETC.

LIBRARIES:
- Mercantile, N. side Bush street, near Montgomery.
- Odd Fellows, 327 Montgomery, near California street.
- Mechanics' Institute, 27 Post st.
- Francisco Law Library, 16 Exchange Building, N.
- E. cor Montgomery and Washington sts.
- Marshal, U.S., 13 and 14 U.S. Court Building, N.E.
- Washington and Battery streets.
- Masonic Hall, cor. Montgomery and Post streets.
- Mechanics' Institute, 27 Post street.
- Merchants' Exchange, south side California street, near Montgomery.
- Mexican Steamship Line, Office, 217 Sansome street.
- Mint, U.S. Branch, north side Commercial street, near Montgomery.

NEWSPAPER AND PERIODICAL OFFICES:
- Abend Post, (German, daily), 521 Clay street.
- Advocate, (Methodist, weekly), 711 Mission street.
- Alaska Herald, 611 Clay street.
- Alta California, (daily), 529 California street.
- California Democrat, (German, daily), N.W. cor. Sacramento & Kearney sts.
- California Farmer, (weekly), 320 Clay street.
- California Horticulturist, 622 Clay street.
- California Police Gazette, N.E. Montgomery and Jackson streets.
- California Teacher, (monthly), 637 Kearney street.
- Catholic Guardian, 407 Sansome street.
- Commercial Herald, 409 Washington street.
- Courrier de San Francisco, (French), 515 Jackson street.
- El Hispano Americano, (Spanish, tri-weekly), 603 Washington street.
- Elevator, (colored, weekly), 616 Battery street.
- Evangel, (Baptist, weekly), 414 Clay street.
- Examiner, (daily), 533 Washington street.
- Figaro, (daily), 532 Merchant street.
- Golden Era, (weekly), 543 Clay street.
- Hebrew, (weekly), 612 Commercial street.
- Hebrew Observer, (weekly), 502 Montgomery street.
- Irish News, 432 Montgomery street.
- L'Alouette, (French), 621 Sansone street.
- La Voce del Popolo, (Italian), 603 Washington street.
- La Voz Nuevo Mundo, 728 Montgomery street.
- Masonic Mirror, (weekly), 608 Market street.
- Monitor, (Catholic, weekly), 622 Clay street.
- Morning Call, (daily), 533 Montgomery street.
- New Age, (I.O.O.F., weekly), 421 Montgomery street.
- Occident, (Presbyterian, weekly), 826 Sansome street.
- Overland Monthly, 409 Washington street.
- Pacific, (Congregationalist, weekly), 636 Clay street.
- Pacific Appeal, (colored, weekly), S.W. cor. Sansome and Commercial sts.
- Pacific Churchman, (Episcopal, weekly), 536 Market st.

BANCROFT'S DIARY.—1874.

NEWSPAPER AND PERIODICAL OFFICES, Continued.
- Pacific Medical and Surgical Journal, (monthly), 409 Washington st.
- Pacific Methodist, (weekly), 721 Market street.
- Pacific Rural Press, (weekly), 333 Montgomery st.
- Pioneer, (weekly), 420 Montgomery street.
- Real Estate Circular, (monthly), 333 Montgomery st.
- San Francisco Chronicle, 504 Montgomery street.
- Scientific Press, (weekly), 338 Montgomery street.
- Spirit of the Times, (weekly), cor. Sansom and Jackson streets.
- Transcript of Records, (daily), 317 California street.
- Western Lancet, (monthly), 721 Market street.
- Odd Fellow's Hall, S.W. c. Montgomery and California sts.
- Olympic Clubs, California, cor. New Montgomery and Howard streets, San Francisco, 35 Sutter street, near Montgomery.
- Oregon Steamship Line, Office, 217 Sansome street.
- Pacific Mail Steamship Company, cor. First and Brannan streets.
- Pioneer Hall, 808 Montgomery street, cor. Gold.
- Police Office, City Hall, opposite the Plaza.

RAILROAD COMPANIES:
- California Pacific, cor. Front and Vallejo streets; Office, 635 Market st.
- Central Pacific, cor. Davis and Pacific; Office, 635 Market street.
- S.F., San Jose and Gilroy, 635 Market street.

RECORD'S OFFICE, City Hall.

REGISTRAR IN BANKRUPTCY, 10 Court Block, 636 Clay street.

SAVINGS BANKS:
- Farmers' and Mechanics' Bank of Savings, 225 Sansom street.
- French Savings and Loan Mutual, 411 Bush st.
- Germania Savings and Loan, 520 California street.
- Humboldt Savings and Loan, 16 Geary street.
- Land Mortgage Union, 123 Post street.
- Masonic Savings and Loan, 6 Post Street.
- Odd Fellows' Savings and Loan, S.W. cor. Montgomery and California sts.
- San Francisco Savings Union, 532 California street.
- Savings and Loan Society, 619 Clay street.
- Security Savings Bank, 304 Sansome street.

STEAMBOAT LANDINGS, Broadway Street Wharf.

STEAMER (Ocean) LANDINGS, cor. First and Brannan streets.

STREET RAILWAYS:
- City, (New Montgomery and Mission), S.W. corner Mission and Fourteenth sts.
- Front, Mission, and Ocean, 1236 Bush street.
- Market Street, cor. Market and New Montgomery st.
- North Beach and Mission, Fourth street, near Bryant, cor. Louisa.
LOCATIONS OF PUBLIC OFFICES, ETC.

STREET RAILWAYS Continued.
Omnibus, 721 Howard street, bet. Third and Fourth.
Potrero and Bay View, Kentucky and Sonoma streets.

TELEGRAPH OFFICES:
Western Union, 522 California street. Branches, Grand Hotel, Cosmopolitan Hotel, S. W. cor. Sacramento and Front streets.

UNION HALL, Howard street, near Third.
UNITED STATES SUB-TREASURY, 428 Montgomery street.
WATER WORKS, Spring Valley, 516 California street.
YOUNG MEN'S CHRISTIAN ASSOCIATION, North side Sutter st., bet. Kearney and Dupont.

STAMP DUTIES.

PROPERTY MEDICINES, Perfumery, Cosmetics, Preparations, &c., each package retailed at not over
25 cents ........................................ $0 1
Over 25 cents and not over 50 cents ............... 0 2
Over 50 cents and not over 75 cents ............... 0 3
Over 75 cents and not over $1 .................. 0 4
Every additional 50 cents or part thereof 2 cents more.

FRICITION MATCHES, or lucifer matches, or other articles made in part of wood, and used for like purposes, each package of 100 matches, or part thereof........ 0 1
Packages of more than 100 matches, for each 100 or part thereof.......................... 0 1

CIGAR LIGHTS, made in part of wood, wax, glass, paper, or other materials, in packages containing twenty-five lights or less, each package.................. 0 1
Every additional twenty-five lights, or part thereof, 1 cent more.

PLAYING CARDS, for and upon every pack, not exceeding fifty-two cards in number, irrespective of price or value........................................ 0 5

No stamps are required upon any papers or documents except the two cent stamps upon bank checks, drafts or orders; all others, except as above specified, having been repealed by act of Congress. To take effect October 1, 1872.

THE SEASONS.

VERNAL EQUINOX........March 20th. 1h. 30 m P.M.
AUTUMNAL EQUINOX....Sept. 23d. 9h. 15m A.M.
SUMMER SOLSTICE.........June 21st. 10h. 0m A.M.
WINTER SOLSTICE........Dec. 21st. 6h. 14m P.M.

SAN FRANCISCO

FIRE ALARM STATIONS.

FIRE ALARM BOXES are located at the corners of the following streets:

1. Stockton and Francisco.
3. Stockton and Greenw'h.
4. Sansome and Greenw'h.
5. Battery and Union.
7. Kearney and Union.
8. Powell and Union.
11. Front and Broadway.
12. Stockton and Broadway.
15. Pacific and Kearney.
16. Sansome and Jackson.
17. Washington and Davis.
18. City Hall.
22. Clay and Battery.
23. Montgomery and Commercial.
25. Stockton and California.
27. California and Drumm.
29. Montgomery and Pine.
30. Folsom and Stewart.
31. Battery and Bush.
32. Market and Second.
33. Howard and Spear.
34. Sutter, near Jones.
35. Kearney and Sutter.
36. Market and Powell.
37. Market and Kearney.
38. Stockton and Sutter.
39. Folsom and Beale.
40. Mission and Fremont.
41. Townsend and Third.
42. Engine House, No. 4, Second st.
43. Bryant, west of First.
44. Brannan and Second.
45. Folsom and First.
46. P. M. S. S. Co.'s wharf, foot of Second.
47. Howard and Third.
49. Harrison and Fourth.
50. Howard and Fifth.
51. Mission and Sixth.
52. Harrison & Hawthorne.
53. Brannan and Fourth.
54. Bryant and Third.
56. Mission and Thirteenth.
57. Howard and Eighth.
58. Engine No. 7, Sixteenth.
60. Market and Hayes.
61. Folsom and Ninth.
62. Folsom and Twelfth.
63. Franklin and Hayes.
64. Fulton and Gough.
65. Octavia and Oak.
67. Laguna and Hayes.
68. Hyde and Turk.
69. Franklin and Turk.
70. Jones and Turk.
71. Polk and Ellis.
72. Hyde and Union.
73. Pioneer Woolen Mills.
74. Filbert and Jones.
75. Hyde and Washington.
76. Broadway and Polk.
77. Sacramento and Leavenworth.
78. Pacific & Leavenworth.
79. Pine and Mason.
80. Bush and Hyde.
81. Bush and Polk.
82. Post and Van Ness av.
83. Post and Larkin.
84. California and Larkin.
85. O'Farrell and Hyde.
86. Valencia and Twentieth.
87. Mission and Twenty-second.
88. Folsom and Twenty-second.
89. Folsom and Sixteenth.
90. Howard and Twentieth.
91. Mission and Sixteenth.
92. Folsom and Eighteenth.
93. Brannan and Eighth.
94. Harrison and Seventh.
95. Bryant and Sixth.
96. Fourth and Berry.
97. Folsom, east of Fourth.
FIRE ALARM STATIONS.

158. Folsom, east of Fifth.
159. Engine House, No. 6.
160. Pacific and Franklin.
161. Sacramento and Franklin.
162. Clay and Polk.
163. McAllister and Buchanan.
164. Ellis and Buchanan.
174. Turk and Fillmore.
213. Bush and Buchanan.
214. Bush and Steiner.
216. Sacramento & Fillmore.
231. Howard and Twenty-fourth.
234. Harrison and Twenty-fourth.

وتر"HACK FARES IN SAN FRANCISCO.

ORDER No. 255, amending Section 4 of Order No. 43, regulating Hacks, Cabs, and other Vehicles in Public Streets.

RATES OF FARE.

For a Hack for one person, not exceeding one mile... $1.50
For a Hack for two or more persons, not exceeding one mile... 2.50
For each additional mile, for each passenger... 0.50
For a Cab for one person, not exceeding one mile... 1.00
For a Cab for two or more persons, not exceeding one mile... 1.50
For each passenger for each additional mile... 0.25
For a Cab for two persons, when engaged by the hour, to be computed for the time occupied in going and returning, including detention, for the first hour... 1.50
For each subsequent hour so used... 1.00
For a Hack or Cab for four or less persons, when engaged by the hour, to be computed for the time occupied in going and returning, including detention, for the first hour... 3.00
For each subsequent hour so used... 2.00

No extra charge to any passenger shall be made for the ordinary amount of baggage.

SEC. 5 OF ORDER 43. — "From the landing of any steamboat to any point east of the west line of Mason street, and north of the south line of Brannan street east of Third street, shall in all cases be estimated not to exceed one mile."

The penalty for the violation of any of the proviso of the above Order shall not be less than five dollars, nor more than ten dollars for each offence, exclusive of costs.

DISTANCES FROM SAN FRANCISCO.

To various points in the vicinity of San Francisco Bay.

FORT POINT, 4 miles northwest of City Hall, Street Railway passing through the Presidio.
SEAL ROCK, 6 miles west, Street Railway to the Cemeteries, three miles then Omnibus.
DRED DICK, or Hunters Point, 6 miles south, Street Railway.
SAN MATEO, 20 miles south, Southern Pacific Railroad.
CRYSTAL SPRINGS, 3 miles west of San Mateo, Stage.
PESCADERO, 30 miles southerly of San Mateo, Stage.
REDWOOD CITY, 30 miles south, S. P. R. R.
MENLO PARK, 33 miles south, S. P. R. R.
SANTA CLARA, 47 miles south-east, S. P. R. R.
SAN JOSE, 50 miles south-east, S. P. R. R.
CONGRESS SPRINGS, or Saratoga, 11 miles south-west of Santa Clara, Stage.
NEW ALMADEN MINES, 14 miles south of San Jose, Stage.
GILROY, 80 miles south-east, S. P. R. R.
WATSONVILLE, 30 miles west of Gilroy, Branch Railroad.
SANTA CRUZ, 20 miles north-west of Watsonville, Stage.
SANTA CRUZ, 80 miles south, Ocean Steamer.
MONTEREY, 100 miles south, Ocean Steamer.
OAKLAND, 7 miles east, Ferry passing Goat Island and Railroad.
ALAMEDA, 10 miles east, Ferry and Railroad.
SAN LEANDRO, 15 miles eastward, Ferry and Central Pacific Railroad.
WARM SPRINGS, 33 miles south-east, Ferry and C. P. R. R.
STOCKTON, 90 miles east, Ferry and C. P. R. R.
SAN PABLO, 12 miles north of Oakland, Stage.
BENICIA, 30 miles north-east, River Steamer.
MARTINEZ, 5 miles south of Benicia, Ferry.
MT. DIABLO COAL MINES, 11 miles east of Martinez, Stage.
STOCKTON, 117 miles via San Joaquin River, River Steamer.
SACRAMENTO, 117 miles north-east, via Sacramento River, River Steamer.

VALLEJO AND MARE ISLAND, 28 miles north-east, Bay Steamer.

SUZAN AND FAIRFIELD, 20 miles north-east of Vallejo, Cal. Pacific R. R.

SACRAMENTO, 68 miles north-east of Vallejo, C. P. R. R.

NAPA CITY, 15 miles north of Vallejo, C. P. R. R.

CALISTOGA, 41 miles north of Vallejo, C. P. R. R.

GEYSER SPRINGS, 23 miles north-west of Calistoga, Stage.

SAN QUENTIN, (State Prison,) 12 miles north, Bay Steamer.

SAN RAFAEL, 4 miles west of San Quentin, Railroad.

PETALUMA, 48 miles north, Bay Steamer.

SANTA ROSA, 15 miles north of Petaluma, Railroad.

HEALDSBURG, 30 miles north of Petaluma, Railroad.

GEYSERS, 20 miles north-east of Healdsburg, Stage.

SACRAMENTO, 6 miles north-west, Ferry passing Alcatraz.

PARALLELINE ISLANDS, 21 miles west, in the Ocean.
### Weights and Measures

#### Weight of United States Coins

<table>
<thead>
<tr>
<th>Coin Type</th>
<th>Weight (Grains)</th>
<th>Value (Ounces)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double Eagle</td>
<td>316</td>
<td>1.075</td>
</tr>
<tr>
<td>Eagle</td>
<td>258</td>
<td>0.8375</td>
</tr>
<tr>
<td>Half Eagle</td>
<td>129</td>
<td>0.3975</td>
</tr>
<tr>
<td>3-Dollar piece</td>
<td>77.4</td>
<td>0.25</td>
</tr>
</tbody>
</table>

The ounce of Gold is valued at $18.6046.
The ounce of Silver is valued at $1.25.

#### Troy Weight

<table>
<thead>
<tr>
<th>Pound</th>
<th>Ounces</th>
<th>Pennyweights</th>
<th>Grains</th>
<th>Pounds Avoir</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12</td>
<td>20</td>
<td>480</td>
<td>0.068571</td>
</tr>
</tbody>
</table>

#### Avoirdupois Weight

<table>
<thead>
<tr>
<th>Ton</th>
<th>Cwt.</th>
<th>Pounds</th>
<th>Ounces</th>
<th>Drams</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>20</td>
<td>2,240</td>
<td>35,840</td>
<td>573,440</td>
</tr>
</tbody>
</table>

A lot 220 by 198 feet = 1 Acre.
A 50-vara lot, San Francisco measurement, is 137²/₃ feet square.
A 100-vara lot is 273 feet square. The San Francisco Vara is 2 feet 9 inches. The true Vara is 2.781 feet. A San Francisco 100-vara lot = 1.7367 Acres.

#### Apothecaries' Weight

<table>
<thead>
<tr>
<th>Pound</th>
<th>Ounces</th>
<th>Drams</th>
<th>Scruples</th>
<th>Grains</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12</td>
<td>8</td>
<td>3</td>
<td>5,760</td>
</tr>
</tbody>
</table>

#### Liquid Capacity

<table>
<thead>
<tr>
<th>Gallon</th>
<th>Quarts</th>
<th>Pints</th>
<th>Gills</th>
<th>Cubic Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4</td>
<td>8</td>
<td>32</td>
<td>231</td>
</tr>
</tbody>
</table>

A cylinder 7 inches in diameter and 8 inches high, holds a gallon.
A cubic foot contains 6.232 gallons.

#### Dry Capacity

1 Bushel = 4 Pecks = 8 Gallons = 32 Quarts = 2150.42 Cubic Inches.
A cylinder 13.5 inches in diameter and 8 inches deep, holds a bushel.

#### Weights and Measures of Length

<table>
<thead>
<tr>
<th>Mile</th>
<th>Furlongs</th>
<th>Chains</th>
<th>Rods</th>
<th>Yards</th>
<th>Feet</th>
<th>Inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>8</td>
<td>320</td>
<td>3200</td>
<td>1,760</td>
<td>5,280</td>
<td>63,360</td>
</tr>
</tbody>
</table>

1 Statute Mile = 5,280 feet = .86975 Nautical Miles.
1 Nautical Mile = 6,080 feet = 1.1507 Statute Miles.
60 Nautical Miles = 69.545 Statute Miles.
1 Cubic Length = 120 Pathoms = 240 Yards = 720 Feet.

#### Measures of Surface

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>640</td>
<td>102,400</td>
<td>3,057,600</td>
<td>27,878,400</td>
<td>25,937,920</td>
</tr>
</tbody>
</table>

A lot 220 by 198 feet = 1 Acre.
A 50-vara lot, San Francisco measurement, is 137²/₃ feet square.
A 100-vara lot is 273 feet square. The San Francisco Vara is 2 feet 9 inches. The true Vara is 2.781 feet. A San Francisco 100-vara lot = 1.7367 Acres.

#### Drawing Paper

<table>
<thead>
<tr>
<th>Cap</th>
<th>.13 × 16 in</th>
<th>Columbian</th>
<th>.23 × 33²/₃ in</th>
</tr>
</thead>
<tbody>
<tr>
<td>Demy</td>
<td>.15²/₃ × 19²/₃ in</td>
<td>Atlas</td>
<td>.26 × 33²/₃ in</td>
</tr>
<tr>
<td>Medium</td>
<td>.18 × 22 in</td>
<td>Theorem</td>
<td>.28 × 34²/₃ in</td>
</tr>
<tr>
<td>Royal</td>
<td>.19 × 24 in</td>
<td>Double Elephant</td>
<td>.26 × 40²/₃ in</td>
</tr>
<tr>
<td>Super-royal</td>
<td>.19 × 27 in</td>
<td>Antiquarian</td>
<td>.31 × 52²/₃ in</td>
</tr>
<tr>
<td>Imperial</td>
<td>.21²/₃ × 29²/₃ in</td>
<td>Emperor</td>
<td>.40 × 60²/₃ in</td>
</tr>
<tr>
<td>Elephant</td>
<td>.22²/₃ × 27²/₃ in</td>
<td>Uncle Sam</td>
<td>.48 × 120²/₃ in</td>
</tr>
</tbody>
</table>

#### Specific Gravity of Substances

<table>
<thead>
<tr>
<th>Substance</th>
<th>Specific Gravity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Platinum, wire</td>
<td>21.04</td>
</tr>
<tr>
<td>Gold, British standard</td>
<td>17.49</td>
</tr>
<tr>
<td>Mercury</td>
<td>18.75</td>
</tr>
<tr>
<td>Lead</td>
<td>11.35</td>
</tr>
<tr>
<td>Silver</td>
<td>10.51</td>
</tr>
<tr>
<td>Copper</td>
<td>8.8 to 8.9</td>
</tr>
<tr>
<td>Brass</td>
<td>7.8 to 8.7</td>
</tr>
<tr>
<td>Steel</td>
<td>7.83</td>
</tr>
<tr>
<td>Iron, wrought</td>
<td>7.79</td>
</tr>
<tr>
<td>Iron, cast</td>
<td>7.91</td>
</tr>
<tr>
<td>Tin</td>
<td>7.30</td>
</tr>
<tr>
<td>Zinc</td>
<td>6.2 to 7.2</td>
</tr>
<tr>
<td>Antimony</td>
<td>6.7</td>
</tr>
<tr>
<td>Platinum</td>
<td>2.36</td>
</tr>
<tr>
<td>Gold, British standard</td>
<td>2.35</td>
</tr>
<tr>
<td>Mercury</td>
<td>2.4 to 3.0</td>
</tr>
<tr>
<td>Lead</td>
<td>2.1 to 2.9</td>
</tr>
<tr>
<td>Silver</td>
<td>2.84</td>
</tr>
<tr>
<td>Copper</td>
<td>2.65 to 2.75</td>
</tr>
<tr>
<td>Brass</td>
<td>2.2 to 2.7</td>
</tr>
<tr>
<td>Steel</td>
<td>1.83</td>
</tr>
<tr>
<td>Iron, wrought</td>
<td>1.96</td>
</tr>
<tr>
<td>Iron, cast</td>
<td>0.92</td>
</tr>
<tr>
<td>Tin</td>
<td>0.79</td>
</tr>
<tr>
<td>Zinc</td>
<td>0.24</td>
</tr>
<tr>
<td>Alcohol, pure</td>
<td>0.79</td>
</tr>
<tr>
<td>Cork</td>
<td>0.24</td>
</tr>
<tr>
<td>Country</td>
<td>Coin Type</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Austria</td>
<td>Gold, Quad. Ducat</td>
</tr>
<tr>
<td></td>
<td>Ducat</td>
</tr>
<tr>
<td></td>
<td>Sovereign (for Lombardy)</td>
</tr>
<tr>
<td></td>
<td>Silver, Rix Dollar</td>
</tr>
<tr>
<td></td>
<td>Florin</td>
</tr>
<tr>
<td></td>
<td>Twenty Kreutzers</td>
</tr>
<tr>
<td></td>
<td>Lira (for Lombardy)</td>
</tr>
<tr>
<td>Baden</td>
<td>Gold, Five Gulden</td>
</tr>
<tr>
<td></td>
<td>Silver, Crown</td>
</tr>
<tr>
<td></td>
<td>Gulden, or</td>
</tr>
<tr>
<td>Bavaria</td>
<td>Gold, Ducat</td>
</tr>
<tr>
<td></td>
<td>Silver, Crown</td>
</tr>
<tr>
<td></td>
<td>Florin</td>
</tr>
<tr>
<td></td>
<td>Six Kreutzers</td>
</tr>
<tr>
<td>Belgium</td>
<td>Gold, Twenty-Franc piece</td>
</tr>
<tr>
<td></td>
<td>Twenty-Five-Franc piece</td>
</tr>
<tr>
<td></td>
<td>Five Francs</td>
</tr>
<tr>
<td></td>
<td>Two-and-a-Half Francs</td>
</tr>
<tr>
<td></td>
<td>Franc</td>
</tr>
<tr>
<td>Bolivia</td>
<td>Gold, Doubloon</td>
</tr>
<tr>
<td></td>
<td>Silver, Dollar</td>
</tr>
<tr>
<td></td>
<td>Half Dollar (debased, 1839)</td>
</tr>
<tr>
<td></td>
<td>Quarter Dollar (debased, 1839)</td>
</tr>
<tr>
<td>Brazil</td>
<td>Gold, Piece of 640 Reis</td>
</tr>
<tr>
<td></td>
<td>Twelve Hundred Reis</td>
</tr>
<tr>
<td></td>
<td>Eight Hundred Reis</td>
</tr>
<tr>
<td></td>
<td>Four Hundred Reis</td>
</tr>
<tr>
<td>Bremen</td>
<td>Silver, Thirty-Six Grore</td>
</tr>
<tr>
<td>Britain</td>
<td>Gold, Sovereign</td>
</tr>
<tr>
<td></td>
<td>Silver, Half Crown</td>
</tr>
<tr>
<td></td>
<td>Shilling</td>
</tr>
<tr>
<td></td>
<td>Sixpence</td>
</tr>
<tr>
<td></td>
<td>Fourpence</td>
</tr>
<tr>
<td>Brunswick</td>
<td>Gold, Ten Thaler</td>
</tr>
<tr>
<td></td>
<td>Silver, Thaler</td>
</tr>
<tr>
<td>Central America</td>
<td>Gold, Doubloon</td>
</tr>
<tr>
<td></td>
<td>Escudo</td>
</tr>
<tr>
<td></td>
<td>Silver, Dollar (about)</td>
</tr>
<tr>
<td>Costa Rica</td>
<td>Gold, Half Doubloon (1850)</td>
</tr>
<tr>
<td></td>
<td>Silver, New Real</td>
</tr>
<tr>
<td>Chile</td>
<td>Gold, Doubloon (before 1855)</td>
</tr>
<tr>
<td></td>
<td>Doubloon (1835, and since)</td>
</tr>
<tr>
<td></td>
<td>Silver, Dollar</td>
</tr>
<tr>
<td></td>
<td>Quarter Dollar</td>
</tr>
<tr>
<td></td>
<td>Eighth Dollar, or Real</td>
</tr>
<tr>
<td>Denmark</td>
<td>Gold, Double Fred. or Ten Thaler</td>
</tr>
<tr>
<td></td>
<td>Silver, Rigsbank Daler</td>
</tr>
<tr>
<td></td>
<td>Specie Daler</td>
</tr>
<tr>
<td></td>
<td>Thirty-Two Skillings</td>
</tr>
<tr>
<td>Ecuador</td>
<td>Silver, Half Doubloon</td>
</tr>
<tr>
<td></td>
<td>Quarter Doler</td>
</tr>
<tr>
<td>Egypt</td>
<td>Gold, Hundred Piastres</td>
</tr>
<tr>
<td></td>
<td>Silver, Twenty Piastres</td>
</tr>
<tr>
<td>France</td>
<td>Gold, Twenty Francs</td>
</tr>
<tr>
<td></td>
<td>Silver, Five Francs</td>
</tr>
<tr>
<td></td>
<td>Franc</td>
</tr>
<tr>
<td>Frankfort</td>
<td>Silver, Florin</td>
</tr>
<tr>
<td>Greece</td>
<td>Gold, Twenty Drachma</td>
</tr>
<tr>
<td></td>
<td>Silver, Drachm</td>
</tr>
<tr>
<td>Guinea, British</td>
<td>Silver, Guilden</td>
</tr>
<tr>
<td>Hanover</td>
<td>Gold, Ten Thaler</td>
</tr>
<tr>
<td></td>
<td>Silver, Thaler (fine silver)</td>
</tr>
<tr>
<td></td>
<td>Thaler (720 fine)</td>
</tr>
<tr>
<td>Hatte</td>
<td>Silver, Dollar, or 100 Centimes</td>
</tr>
</tbody>
</table>
THE METRIC SYSTEM.

GERMANY.—The new German Empire has adopted a new and uniform system of coinage, which contemplates the gradual withdrawal of the coins of the various States composing the Empire, and the substitution of the new coinage as follows:
A pound of fine gold is divided into 1394 pieces, the one-tenth part of this gold coin is called a “Mark,” and is subdivided into 100 Pfennigs (Pfenig.)
A Ten Mark piece, the unit of the coinage is equal to 3½ South German Thalers, or 31-93 Bremen Gold Thalers. Its value is $2.43.
JAPAN.—The new system of coinage for Japan embraces four gold coins valued respectively at $20, $10, $5, and $2.

MEASUREMENTS OF LENGTH.

Metric Denominations and Values. Equivalents in Denominations in use.

1 Millimeter = 0.001 meter = 0.039 inch.
1 Centimeter = 0.01 meter = 0.3937 inch.
1 Decimeter = 0.1 meter = 3.937 inches.
1 Meter = 1 meter = 39.37 inches.
1 Decameter = 10 meters = 32.8 feet, 1 inch.
1 Hectometer = 100 meters = 328.08 feet, 10 inches.
1 Kilometer = 1,000 meters = 3,280.84 feet, 100 inches.

MEASUREMENTS OF SURFACE.

Metric Denominations and Values. Equivalents in Denominations in use.

1 Hectare = 10,000 square meters = 2.471 acres.
1 Acre = 43,560 square feet = 4,840 square yards.
1 Centiare = 1 square meter = 10.76 square feet, 114 square inches.

MEASUREMENTS OF CAPACITY.

Metric Denominations and Values. Equivalents in Denominations in use.

1 Milliliter = 0.001 liter = 0.061 cubic inch.
1 Centiliter = 0.01 liter = 0.610 cubic inch.
1 Deciliter = 0.1 liter = 6.102 cubic inches.
1 Liter = 1 liter = 35.31 cubic inches.
1 Decaliter = 10 liters = 35.31 gallons.
1 Hectoliter = 100 liters = 353.14 gallons.

WEIGHTS.

Metric Denominations and Values. Equivalents in Denominations in use.

1 Milligram = 0.001 gram = 0.000035 ounce.
1 Centigram = 0.01 gram = 0.00035 ounce.
1 Decigram = 0.1 gram = 0.035 ounce.
1 Gram = 1 gram = 0.035 ounce.
1 Decagram = 10 grams = 0.350 ounce.
1 Hectogram = 100 grams = 3.527 ounces.
1 Kilogram = 1,000 grams = 35.273 ounces.

METEOROLOGICAL TABLE.

The following table shows the mean Fahrenheit temperature at January and July, the semi-annual range between them, and the average annual rain fall in inches of various towns in California as compared with other places.

<table>
<thead>
<tr>
<th>LOCALITY</th>
<th>Jan'y</th>
<th>July</th>
<th>Range</th>
<th>Rain-fall in inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sonoma</td>
<td>45°</td>
<td>66°</td>
<td>21°</td>
<td>25 in</td>
</tr>
<tr>
<td>Vallejo</td>
<td>48°</td>
<td>63°</td>
<td>15°</td>
<td>25</td>
</tr>
<tr>
<td>San Francisco</td>
<td>49°</td>
<td>57°</td>
<td>8</td>
<td>23</td>
</tr>
<tr>
<td>Monterey</td>
<td>52°</td>
<td>58°</td>
<td>6</td>
<td>20</td>
</tr>
<tr>
<td>Santa Barbara</td>
<td>54°</td>
<td>71°</td>
<td>17</td>
<td>15</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>52°</td>
<td>70°</td>
<td>23</td>
<td>12</td>
</tr>
<tr>
<td>San Diego</td>
<td>51°</td>
<td>72°</td>
<td>21</td>
<td>10</td>
</tr>
<tr>
<td>Humboldt Bay</td>
<td>40°</td>
<td>58°</td>
<td>18</td>
<td>30</td>
</tr>
<tr>
<td>Sacramento</td>
<td>45°</td>
<td>73°</td>
<td>28</td>
<td>20</td>
</tr>
<tr>
<td>St. Augustine</td>
<td>57°</td>
<td>80°</td>
<td>23</td>
<td>55</td>
</tr>
<tr>
<td>St. Paul</td>
<td>13°</td>
<td>73°</td>
<td>60</td>
<td>30</td>
</tr>
<tr>
<td>Mentone</td>
<td>40°</td>
<td>73°</td>
<td>38</td>
<td>23</td>
</tr>
<tr>
<td>Fenchul</td>
<td>60°</td>
<td>70°</td>
<td>10</td>
<td>—</td>
</tr>
<tr>
<td>New York</td>
<td>31°</td>
<td>73°</td>
<td>42</td>
<td>48</td>
</tr>
<tr>
<td>London</td>
<td>37°</td>
<td>62°</td>
<td>25</td>
<td>84</td>
</tr>
</tbody>
</table>

SPECIFIC GRAVITY OF SUBSTANCES.

Barometer, 30 in.; Fahrenheit Thermometer, 60 deg.

<table>
<thead>
<tr>
<th>Substance</th>
<th>Specific Gravity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Platinum, Wire</td>
<td>21.94</td>
</tr>
<tr>
<td>Gold, British Standard</td>
<td>17.49</td>
</tr>
<tr>
<td>Mercury</td>
<td>13.57</td>
</tr>
<tr>
<td>Lead</td>
<td>11.35</td>
</tr>
<tr>
<td>Silver</td>
<td>10.51</td>
</tr>
<tr>
<td>Copper</td>
<td>8.8 to 8.9</td>
</tr>
<tr>
<td>Brass</td>
<td>8.7 to 8.7</td>
</tr>
<tr>
<td>Steel</td>
<td>7.83</td>
</tr>
<tr>
<td>Iron, Wrought</td>
<td>7.79</td>
</tr>
<tr>
<td>Iron, Cast</td>
<td>7.21</td>
</tr>
<tr>
<td>Tin</td>
<td>7.30</td>
</tr>
<tr>
<td>Zinc</td>
<td>6.2 to 7.2</td>
</tr>
<tr>
<td>Antimony</td>
<td>6.7</td>
</tr>
</tbody>
</table>

CHRONOLOGICAL CYCLES, 1874.

Dominical Letter | D. | Lunar Cycle or Golden No. | 13 |
| Roman Indiction | L. | Julian Period | 2 |
| Solar Cycle | 7 | | 6387 |
Rates of Postage.

Mailable Matter is divided into three classes, viz: 1. Letters. 2. Regular Printed Matter. 3. Miscellaneous Matter.

I. Letters. This class embraces all correspondence, wholly or partially in writing except book manuscripts and corrected proof sheets.

Letters to any part of the United States, 8 cents for each 1-2 ounce or fraction thereof.

Drop Letters at letter carrier offices, 2 cents for each half ounce; at other than letter-carrier offices, one cent for each half ounce.

Postal Cards with stamp impressed upon them, 1 cent each.

Manuscripts for publication in newspapers and periodicals are subject to letter postage.

Letters Prepaid shall be forwarded from one post office to another at the request of the party addressed, without additional postage.

Letters containing the address of the writer on the envelope, will be returned to the writer in 30 days if not called for, instead of being sent to the dead letter office.

II. Regular Printed Matter. This class embraces all newspapers and periodicals regularly issued at stated periods from a known office. Rates vary according to frequency of issue and weight of paper.

III. Miscellaneous Matter. This class embraces pamphlets, occasional publications, transient newspapers, handbills, circulars, prospectuses, books, book manuscripts, proofsheets, corrected proof sheets, maps, prints, engravings, blanks, flexible patterns, samples of merchandise not exceeding 12 ounces, sample cards, letter envelopes, plain and ornamental paper, seed, cuttings, bulbs, roots, seeds, samples of ores, metals, mineralogical specimens, and all other articles which are not, from their form or nature, liable to destroy, deface, or injure the contents of the mail bag. All liquids, poisons, glass, explosive materials and obscene books shall be excluded from the mails.

All matter of this class, excepting books and other printed matter, and book manuscripts, shall not exceed 12 ounces.

On mailable matter of the III. class, except as herein stated, the postage is one cent for each 2 ounces or fraction thereof. Double these rates is charged for books, metals, ores, minerals, and merchandise.

All mailable matter, for delivery within the United States, except newspapers sent to regular subscribers, must be prepaid by stamps, except duly certified letters of soldiers and sailors.

All Packages of Maii Matter not charged with letter postage must be so arranged that the same can be conveniently examined by Postmasters; if not, letter postage will be charged.

No Package will be forwarded by mail which weighs over 4 pounds.

FOREIGN POSTAGE.

Letters to Mexico, Japan, China, Manila, Panama, Aspinwall, Australia, Tasmania and Fiji Islands, 10 cents for each 1-2 ounce. Postage on newspapers 2 cents each.

Letters to British Columbia, and the Hawaiian Islands 6 cents for each 1-2 ounce.

Letters to Peru, Chili, and other Pacific South American Ports, 22 cents for each 1-2 ounce.

Letters to New Zealand, 12 cents for each 1-2 ounce.

Letters to the Dominion of Canada, 6 cents for each 1-2 ounce if prepaid, and 10 cents if unpaid.

Letters to Great Britain or Ireland, 6 cents for each 1-2 ounce. Prepayment optional; but, if unpaid, subject to a fine.

Letters to Germany, 6 cents for each 1-2 ounce by the Bremen mail, and 7 cents by the English closed mail. Prepayment optional, but if unpaid subject to fine.

Letters to other Foreign Countries vary in rate according to the route by which they are sent, and the proper information can be obtained of any Postmaster in the United States.

TIDES AT SAN FRANCISCO.

Note.—The tables of Tides for San Francisco are obtained from the latest data of the United States Coast Survey. These Tides are extremely irregular, both as regards interval and height. The two daily tides may occur either during the same morning, or during the same afternoon. In the tide columns of these pages the asterisk (*) denotes the second morning tide, and the obelisk (†) the first afternoon tide of the day when so occurring. Finally, the larger tide of the day is distinguished by the letter (l), and the smaller by (s).

IMPORTANT EPOCHS AND ERAS,

With The Periods of their Commencement.

Grecian Year of the World... September 1, B. C. 5508.
Julian Period... January 1, B. C. 4713.
Jewish Mundane Era... Vernal Equinox, B. C. 3761.
Destruction of Troy... June, B. C. 1184.
Building of Solomon's Temple... May, B. C. 1015.
Era of Olympiads... New Moon, Summer Solstice, B. C. 776.
Roman Era... April 24, B. C. 753.
Era of Nabonassar... February 26, B. C. 747.
Metonic Cycle... July 13, B. C. 424.
Julian Year... January 1, B. C. 46.
Augustan Era... February 14, B. C. 27.
Indiction of Constantine... September 1, B. C. 3.
Christian Era... January 1, A. D. 1; A. M. 4004.
Destruction of Jerusalem... September 21, A. D. 69.
Era of Diocletian... September 17, A. D. 284.
Era of Hegira... July 10, A. D. 622.
Persian Era... June 16, A. D. 332.
Conquest of England... October 14, A. D. 1066.
Declaration American Independence... July 4, A. D. 1776.
THE SOLAR SYSTEM.

The Sun, the centre of the Solar System, has a diameter of 885,680 miles,its bulk is 1,400,000 times greater than that of the Earth, and 700 times greater than that of all the bodies revolving around it.

THE PLANETS.

<table>
<thead>
<tr>
<th>Name</th>
<th>Diameter in Miles</th>
<th>Volume</th>
<th>Distance from Sun</th>
<th>Period of Revolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mercury</td>
<td>2,950</td>
<td>1-19</td>
<td>36,000,000</td>
<td>3 mos.</td>
</tr>
<tr>
<td>Venus</td>
<td>7,800</td>
<td>9-10</td>
<td>67,000,000</td>
<td>7 1/2 mos.</td>
</tr>
<tr>
<td>Earth</td>
<td>7,912</td>
<td>1</td>
<td>92,000,000</td>
<td>1 yr.</td>
</tr>
<tr>
<td>Mars</td>
<td>4,500</td>
<td>1-8</td>
<td>140,000,000</td>
<td>2 yrs.</td>
</tr>
<tr>
<td>Asteroids (approximate)</td>
<td>250,000,000</td>
<td>1-8</td>
<td></td>
<td>4 1/2 yrs.</td>
</tr>
<tr>
<td>Jupiter</td>
<td>89,000</td>
<td>1,400-480,000,000</td>
<td>12 yrs.</td>
<td></td>
</tr>
<tr>
<td>Saturn</td>
<td>79,000</td>
<td>1,000</td>
<td>876,000,000</td>
<td>29 yrs.</td>
</tr>
<tr>
<td>Uranus</td>
<td>35,000</td>
<td>86</td>
<td>1,762,000,000</td>
<td>84 yrs.</td>
</tr>
<tr>
<td>Neptune</td>
<td>31,000</td>
<td>60</td>
<td>2,760,000,000</td>
<td>164 yrs.</td>
</tr>
</tbody>
</table>

The Moon's diameter is 2,160 miles, and her volume one forty-ninth of that of the Earth. She revolves in her orbit once in 29 1/2 days, at a distance of 240,000 miles from the Earth.

The Asteroids exceed one hundred in number. Leverrier estimates that their aggregate mass does not exceed one-third of that of the Earth.

VELOCITY OF THE EARTH'S MOTION.—The Earth moves forward in its orbit, 1,640,000 miles per day, 68,000 miles per hour, 1,100 miles per minute, and nearly 19 miles every second.

APPARENT TIME is reckoned by the revolutions of the Sun from the meridian to the meridian again. These intervals being unequal, of course the apparent solar days are unequal to each other.

MEAN TIME is time reckoned by the average length of all the solar days throughout the year. This is the period which constitutes the civil day of 24 hours.

TIME TABLE.

<table>
<thead>
<tr>
<th>Time of day at various places on the globe when it is 12 o'clock (noon) at San Francisco.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.M.</td>
</tr>
<tr>
<td>----------------</td>
</tr>
<tr>
<td>Astoria, Oregon</td>
</tr>
<tr>
<td>Calcutta, India</td>
</tr>
<tr>
<td>Canton, China</td>
</tr>
<tr>
<td>Honolulu, H. I.</td>
</tr>
<tr>
<td>Melbourne, Aust.</td>
</tr>
<tr>
<td>Pekin, China</td>
</tr>
<tr>
<td>Sydney, Australia</td>
</tr>
<tr>
<td>Singapore, E. I.</td>
</tr>
<tr>
<td>Shanghai, China</td>
</tr>
<tr>
<td>Tobolsk, Siberia</td>
</tr>
<tr>
<td>Yedo, Japan</td>
</tr>
<tr>
<td>Yyreka, Cal.</td>
</tr>
<tr>
<td>Nevada, Cal.</td>
</tr>
<tr>
<td>Acapulco, Mex.</td>
</tr>
<tr>
<td>Archangel, Russia</td>
</tr>
<tr>
<td>Aspinwall, Isthm's</td>
</tr>
<tr>
<td>Berlin, Prus.</td>
</tr>
<tr>
<td>Boston, Mass.</td>
</tr>
<tr>
<td>Cape Good Hope</td>
</tr>
<tr>
<td>Charleston, S. C.</td>
</tr>
<tr>
<td>Chicago, Ill.</td>
</tr>
<tr>
<td>Cincinnati, O.</td>
</tr>
<tr>
<td>Constantinople</td>
</tr>
<tr>
<td>Detroit, Mich.</td>
</tr>
<tr>
<td>Eastport, Maine</td>
</tr>
<tr>
<td>Fort Yuma, Cal.</td>
</tr>
<tr>
<td>Galveston, Tex.</td>
</tr>
<tr>
<td>Geneva, Switz.</td>
</tr>
<tr>
<td>Gibraltar, Spain</td>
</tr>
</tbody>
</table>

List of Sundays in 1874.

<table>
<thead>
<tr>
<th>JANUARY</th>
<th>FEBRUARY</th>
<th>MARCH</th>
<th>APRIL</th>
<th>MAY</th>
<th>JUNE</th>
<th>JULY</th>
<th>AUGUST</th>
<th>SEPTEMBER</th>
<th>OCTOBER</th>
<th>NOVEMBER</th>
<th>DECEMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>1</td>
<td>2</td>
<td>5</td>
<td>3</td>
<td>7</td>
<td>8</td>
<td>4</td>
<td>6</td>
<td>1</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>
ECLIPSES IN THE YEAR 1874.

In the year 1874 there will be four Eclipses, two of the Sun and two of the Moon; and a transit of Venus’ over the Sun’s disc.

I. A Tocal Eclipse of the Sun, April 16, invisible, visible to the southern portions of South America and Africa.

II. A Partial Eclipse of the Moon, May 1, invisible, visible to parts of Asia, Africa, Australia and Sandwich Islands.

III. An Annular Eclipse of the Sun, October 16th, invisible, visible to Europe and parts of Asia and Africa.

IV. A Total Eclipse of the Moon, night of October 24—25. Visible as follows:

<table>
<thead>
<tr>
<th>Day</th>
<th>Hour</th>
<th>Minute</th>
<th>Sun's Rises</th>
<th>Sun's Sets</th>
<th>Sun's Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7</td>
<td>14</td>
<td>51</td>
<td>9 35</td>
<td>6 33</td>
</tr>
<tr>
<td>2</td>
<td>7</td>
<td>16</td>
<td>52</td>
<td>9 36</td>
<td>6 33</td>
</tr>
<tr>
<td>3</td>
<td>7</td>
<td>16</td>
<td>54</td>
<td>9 38</td>
<td>5 52</td>
</tr>
<tr>
<td>4</td>
<td>7</td>
<td>16</td>
<td>55</td>
<td>9 39</td>
<td>6 55</td>
</tr>
<tr>
<td>5</td>
<td>7</td>
<td>16</td>
<td>56</td>
<td>9 40</td>
<td>7 57</td>
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</table>

Magnitude of Eclipse = 1.055 (Moon's diameter = 1).

Note. To find time of occurrence at any other place correct by difference of time between the place and San Francisco.

V. A Transit of Venus over the Sun’s disc, December 8th, invisible. Visible entirely to Eastern Asia and Australia, and in part to Africa and Sandwich Islands.

A Transit of Venus furnishes the most accurate method for determining the distance of the earth from the Sun. The last occurrence of this phenomenon happened in 1769, when expeditions on the most extensive scale were fitted out by the larger civilized governments of the world for the purpose of observing it. The highest interest attaches to this present occurrence, as from some independent reasons it is suspected that the Sun's accepted distance is too large by about two millions of miles.
### ALMANAC FOR 1874

#### March

**Moon's Phases**
- Full Moon: 2d, 3h, 11m, A
- Last Quarter: 11d, 1h, 24m, M
- New Moon: 17d, 1h, 52m, A
- First Quarter: 24d, 2h, 21m, A

**High Tides: March**

<table>
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### April

**Moon's Phases**
- Full Moon: 1d, 3h, 3m, A
- Last Quarter: 8d, 2h, 10m, A
- New Moon: 15d, 5h, 43m, M
- First Quarter: 23d, 3h, 53m, M

**High Tides: April**

<table>
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### May

**Moon's Phases**
- Full Moon: 1d, 7h, 50m, M
- Last Quarter: 8d, 11h, 33m, A
- New Moon: 15d, 10h, 42m, A
- First Quarter: 23d, 7h, 53m, A

**High Tides: May**

<table>
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### June

**Moon's Phases**
- Full Moon: 1d, 7h, 50m, M
- Last Quarter: 8d, 11h, 33m, A
- New Moon: 15d, 10h, 42m, A
- First Quarter: 23d, 7h, 53m, A

**High Tides: June**

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28

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29
### July

**Moon's Phases:**
- Last Quarter: 6th, 9th, 12th, 15th, 18th, 21st, 24th, 27th, 30th
- New Moon: 1st, 5th, 9th, 13th, 17th, 21st, 25th, 29th
- First Quarter: 10th, 14th, 18th, 22nd, 26th
- Full Moon: 16th, 20th, 24th, 28th

#### High Tides: July

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<td>12</td>
<td>6:03</td>
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### August

**Moon's Phases:**
- Last Quarter: 4th, 8th, 12th, 16th, 20th, 24th, 28th, 32nd
- New Moon: 9th, 13th, 17th, 21st, 25th, 29th, 3rd, 7th
- First Quarter: 19th, 23rd, 27th, 1st
- Full Moon: 27th, 31st, 4th

#### High Tides: August

<table>
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<tr>
<td>13</td>
<td>5:43</td>
<td>5:46</td>
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### September

**Moon's Phases:**
- Last Quarter: 26th, 30th, 2nd, 6th, 10th, 14th, 18th, 22nd, 26th
- New Moon: 1st, 5th, 9th, 13th, 17th, 21st, 25th, 29th
- First Quarter: 19th, 23rd, 27th, 1st
- Full Moon: 27th, 31st, 4th

#### High Tides: September

<table>
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### October

**Moon's Phases:**
- Last Quarter: 26th, 30th, 2nd, 6th, 10th, 14th, 18th, 22nd, 26th
- New Moon: 1st, 5th, 9th, 13th, 17th, 21st, 25th, 29th
- First Quarter: 19th, 23rd, 27th, 1st
- Full Moon: 27th, 31st, 4th

#### High Tides: October

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THURSDAY, JANUARY 1, 1873.

Took dinner at home, stopping at Iceland.

Worked for Iceland.
Friday, January 2, 1874.

Worked at desk.

Saturday, January 3, 1874.

Worked at desk.
Sunday, January 4, 1874.

Worked at Leshe.

Monday, January 5, 1874.

Worked at Leshe.
Tuesday, January 6, 1874.

Worked at地球.

Wednesday, January 7, 1874.

Worked at地球.

Kirkland Heritage Society
Thursday, January 8, 1874.

Worked at Feels.

Feels paid at store bills for me $3.25 at Woodward.

Friday, January 9, 1874.

Worked for Feels.
Saturday, January 10, 1874.

Worked all day.

Sunday, January 11, 1874.

Worked all day.
Monday, January 12, 1874

Worked at desk

Tuesday, January 13, 1874

Bought feed for chickens
Wednesday, January 14, 1874.

Worked for dinner.

Thursday, January 15, 1874.

Worked for dinner.

Kirkland Heritage Society
Friday, January 16, 1874.

Worked for Deale.

Saturday, January 17, 1874.

Worked for Deale.
Sunday, January 18, 1874.

Went to home.

Monday, January 19, 1874.

Worked for sister.
Tuesday, January 20, 1874.

Worked for sister.

Wednesday, January 21, 1874.

Worked for teacher.

Kirkland Heritage Society
Thursday, January 22, 1874

Worked for Deeks.

Deeks paid me $5.25 today.

Friday, January 23, 1874

Worked for Deeks.
Saturday, January 24, 1874.

Worked for Lee's.

Sunday, January 25, 1874.

Kirkland Heritage Society
Monday, January 26, 1874

Worked for Teals.

Tuesday, January 27, 1874

Worked for Teals.

Kirkland Heritage Society
Wednesday, January 28, 1874.

Worked for Lester.

Thursday, January 29, 1874.

Worked for Lester.

Received a letter from R.K.T. of Chicago, Ill.
Friday, January 30, 1874:

Worked for Leslie.

Saturday, January 31, 1874:

Worked for Leslie.
SUNDAY, FEBRUARY 1, 1874.

Took dinner at home. Aunt & Uncle Smith. 4 o'clock.

MONDAY, FEBRUARY 2, 1874.

Worked for dealer. Washed.
Tuesday, February 3, 1874.

Worked for letter.

Wednesday, February 4, 1874.

Worked for letter.
Thursday, February 5, 1874.

Worked for Sealer.

Friday, February 6, 1874.

Worked for Sealer.
Saturday, February 7, 1874.

Worked for Loebel.

Sunday, February 8, 1874.

Went home.
Monday, February 9, 1874

Worked at & for Taylor.

Tuesday, February 10, 1874

Worked for Taylor.
Monday, February 9, 1874

Worked for Yeater.

Tuesday, February 10, 1874

Worked for Yeater.
Wednesday, February 11, 1874.

Worked for Misher.

Thursday, February 12, 1874.

Worked for Misher.
Friday, February 13, 1874

Worked for Mrs. R.

Saturday, February 14, 1874

Worked for Mrs. Cees
Tuesday, February 17, 1874.

Worked for M. [illegible]

Wednesday, February 18, 1874.

Worked for M. [illegible]

Worked for [illegible]

Kirkland Heritage Society
THURSDAY, FEBRUARY 19, 1874.

Worked for a while.

FRIDAY, FEBRUARY 20, 1874.

Worked for a while.
Saturday, February 21, 1874.

Worked for dealer.

Sunday, February 22, 1874.

Went home.
Monday, February 23, 1874.

Worked for Seals.

Tuesday, February 24, 1874.

Worked for Seals.
Wednesday, February 25, 1874.

Worked for Easter.

Thursday, February 26, 1874.

Worked for Easter.
Friday, February 27, 1874
Worked for Salter

Saturday, February 28, 1874
Worked for Salter
Sunday, March 1, 1874.

Stay at home.

Monday, March 2, 1874.

Worked for Bessie.
Tuesday, March 3, 1874

Worked for Yester

Wednesday, March 4, 1874

Worked for Yester
Thursday, March 5, 1874.

Worked at the scales.

Friday, March 6, 1874.

Worked for June.
Saturday, March 7, 1874.
Worked for Leslie.

Sunday, March 8, 1874.
Stayed at home.
Monday, March 9, 1874.

Worked for 10 hours.

Tuesday, March 10, 1874.

Worked for 10 hours.
Wednesday, March 11, 1874.

Worked for dealer.

Thursday, March 12, 1874.

Worked for dealer.
Friday, March 13, 1874

Worked in the fields.

Saturday, March 14, 1874

Worked for [insert name].
SUNDAY, MARCH 15, 1874

I was at home.

MONDAY, MARCH 16, 1874

Worshipped God.

Served.
Tuesday, March 17, 1874

Worked for Dealer

Wednesday, March 18, 1874

Worked for Dealer
Thursday, March 19, 1874.

Worked for banker.

Friday, March 20, 1874.

Worked for banker.

Adequate sales and a good day.

Net total: 1.81 + 2.21 = 4.02.

21.00 sold.

Net total: 1.81 + 2.21 = 4.02.

21.00 sold.
Saturday, March 21, 1874.

Worked for Mr. Seeler.
I quit working for Mr. Seeler to day.
I have worked five months and 18 days.
\[2.6 \times 6 = 15.6 \times 18 = 174.8\]
\[\frac{174.8}{16.6} = 10.5\]
\[\$155.75\]
H. L. Seeler paid me \$50.00, fifty dollars on 10th day.

Sunday, March 22, 1874.

Spent the Sunday at home.
I have been

I have been

writing outside

around the

window and
doors.
Wednesday, March 25, 1874.

I have been pretty much outside and inside of the house.

We all went and heard Garfield speak on Progress at the Pavillions.

Thursday, March 26, 1874.

I have been putting aside a shirt through.
Friday, March 27, 1874
I have been painting.

Saturday, March 28, 1874
I have been painting.
SUNDAY, MARCH 29, 1874.

MONDAY, MARCH 30, 1874.

I have been painting.

Kirkland Heritage Society
Tuesday, March 31, 1874.

Father was taken sick with Pains and colic - had severe pain. Dr. Bagly attended and helped him.

Wednesday, April 1, 1874.

I have been painting.
Thursday, April 2, 1874

I have been painting

Friday, April 3, 1874

I have been painting
Saturday, April 4, 1874.

I have been painting.

Sunday, April 5, 1874.

I called on Capt. Peasfield for the

I am not with

I am not

I am not with

I am not
Monday, April 6, 1874

I have been painting.

I received a letter from several of my old schoolmates in Davenport, Iowa.

Tuesday, April 7, 1874

I have been painting.
I have been painting.

I have been painting.
Friday, April 10, 1874

I have been painting

Saturday, April 11, 1874

I have been painting
Sunday, April 12, 1874

I did not go to church this morning.

I went to Bagley's Church in the eve.

Monday, April 13, 1874

Finished painting. Have done other work.
Tuesday, April 14, 1874.

We moved the shed over our well. Father bought a pump.

Wednesday, April 15, 1874.

Have been sleeping well.
Thursday, April 16, 1874.

I am stopping at home.

Friday, April 17, 1874.

I am clearing up around.
Saturday, April 18, 1874.

I and digging up broken stumps in the garden.

Sunday, April 19, 1874.

Sister and myself walked over to Mr. Harris' on Pontack farm. Father is going over to pick out a dog next. I & e.
Monday, April 20, 1874.

We are packing up for permanent
in moving over to
the Lake tomorrow.

We received
the first No.
of our Semi-
Weekly Tribune
Mar 27 & 31 & Apr 3.

Have got this
footache, worse.

Tuesday, April 21, 1874.

Got a Mr
Hancock to move
us over, the lake
we got over all
right.
Wednesday, April 22, 1874.

I have been putting things to rights.

Thursday, April 23, 1874.

Jobbing.
Friday, April 24, 1874

Gobbling

Saturday, April 25, 1874

Gobbling
Mr. Hancock stood within last night.
He has been looking at Will Andrews' preemptive claim; it can be bought for $300.

He stopped this eve.

Monday, April 27, 1874.

Conner D. Hancock took our boat and went to town; also carried Miss Ella Jayne home on the other side of the lake.
Tuesday, April 28, 1874

I have been spacing.

Wednesday, April 29, 1874

I have been spacing.
Thursday, April 30, 1874

I have been paddling.

Friday, May 1, 1874

Showering.

Conrad P. went to town.

The People of Seattle inaugurated SW W. R. R. by a picnic and a day's work thrown in. A mile and a half were graded.

Leonard Smith came home with me. Uncle L. P. S. let out house the 30th of April to Mr. Burns for $10.00 per month.
Saturday, May 2, 1874.

Cloudy. Very cold & wind.

Sunday, May 3, 1874.

Pleasant.

Father and I took Uncle over to Mr. Gilmore's place.

I had the toothache.
Monday, May 4, 1874

Cloudy & Cold

I have been reading.

Tuesday, May 5, 1874

Cloudy

I have been reading.
Wednesday, May 6, 1874.

At home.

Thursday, May 7, 1874.

At home.

Kirkland Heritage Society
Friday, May 8, 1874

Father O. Corner. I went to town & bought a dog from Mrs. Martin at Pontious Place.

Saturday, May 9, 1874

A. D. House.

Kirkland Heritage Society
SUNDAY, MAY 10, 1874

[Handwritten text]

MONDAY, MARCH 11, 1874

[Handwritten text]
TUESDAY, MAY 12, 1874

Pleasant.

WEDNESDAY, MAY 13, 1874

Fair.

Mr. Barnett and Son came across this morning to look at the land; they stayed all night.
Thursday, May 14, 1874

Cloudy.

I showed Mr. B. and son over Hall & Anderson's improvement claim.

Friday, May 15, 1874

Cloudy.

Railroad picnic.
Saturday, May 16, 1874

Warm & Cloudy.

Sunday, May 17, 1874

Pleasant.
Wind S.W.
Mrs. Monahan & three kgs came across to day. I wrote two letters one to G. D. Bartlett and Zannie Hayford.
Monday, May 18, 1874

Hot.

Mother planted
60 day corn.

Tuesday, May 19, 1874

H.N. continued
raining at 5 P.M.
8 P.M. still rain.

Have finished
fishing our sail
so to day;
made it larger.
Wednesday, May 20, 1874

Warm, somewhat, cloudy S. W. wind.

Thursday, May 21, 1874

Friday, May 22, 1874.

Windy wind S. W. this morning and set in a heavy N. W. about 4 P.M. and began to sprinkle later.

Saturday, May 23, 1874.

Light N. wind early changed to N. W. about 4 P.M. reached some of the west.
Sunday, May 24, 1874.

I went fishing, cleared my line, and tried it. I W. went to Ulster after dinner.

Had the first ripe strawberries of the season today.

Monday, May 25, 1874.

Frequent showers and a hail storm about 3 P.M.
Tuesday, May 26, 1874.

Five morning.

Shower at 9, another at 5.

Wednesday, May 27, 1874.

Working.
Thursday, May 28, 1874.

at work

Friday, May 29, 1874.

at work
Saturday, May 30, 1874.

Strong N. W. wind.

Sundor.

Sunday, May 31, 1874.

Pleasant.

Lord and I went over to church.

May has been cloudy and considerably rain.
Monday, June 1, 1874

worked

Tuesday, June 2, 1874

worked
Wednesday, June 3, 1874.

Cloudy, S. W. wind

Worked.

I wrote to Dick Mothers at Hunt.

I wrote to A. S. and mail them tomorrow.

Thursday, June 4, 1874.

Cloudy, S. W. wind.

Cleaned.

I went to town and Pearce

I sold a call of strawberries $1.25

I paid a call on the stock of cloth and

I paid me the note $15.00 and $125.
Friday, June 5, 1874.

Pleasant part of the day.
Worked.

Saturday, June 6, 1874.

Shower.

I got through digging out a portion of rocks at present. Some took a half hour to tear out for us: Oct $1.50.
SUNDAY, JUNE 7, 1874.

Southe with some roses.

Kirkland Heritage Society

MONDAY, JUNE 8, 1874.

Laboring as usual.
Thursday, June 11, 1874

I carried over two gallons of strawberries, 1.50. Uncle and Aunt came back with me.

Friday, June 12, 1874

Father, Uncle & I visited Goldeneye Farm on Sunday and Wanneta Bay.
Saturday, June 13, 1874

I went back to Seattle with Uncle. Stopped all night May 14th and had a surprise party.

Sunday, June 14, 1874

Went to Church and called on Capt. Penfield’s folks.
Monday, June 15, 1874

Warm & Pleasant.

Cleburne went to town brought me two letters one from Clay Blakeslee and Boston, one from George.

Tuesday, June 16, 1874

Lonely

I answered Geo's letter. Mother wrote to Aunt Sarah.
Friday, June 19, 1874

[Blank]

Saturday, June 20, 1874

[Blank]

Kirkland Heritage Society
Sunday, June 21, 1874.

Perry hot.

Monday, June 22, 1874.

Father to come.

We settled up with Obourn this morning.
SUNDAY, JUNE 21, 1874

Pery, Bob.

MONDAY, JUNE 22, 1874

Father V. O. Camp went to town.

We settled up with Olney this morning.
Tuesday, June 23, 1874.

Pleasant.
It has rained hard all day.
The creek is very high.

Wednesday, June 24, 1874.

It has rained hard all day.
The creek is very high.
Saturday, June 27, 1874.
I worked on the road to Syackough.

Sunday, June 28, 1874.
I went to Church.
Monday, June 29, 1874.

I strained my ankle while on the way to work on the road.

Tuesday, June 30, 1874.

I am considerably lame and sore.