

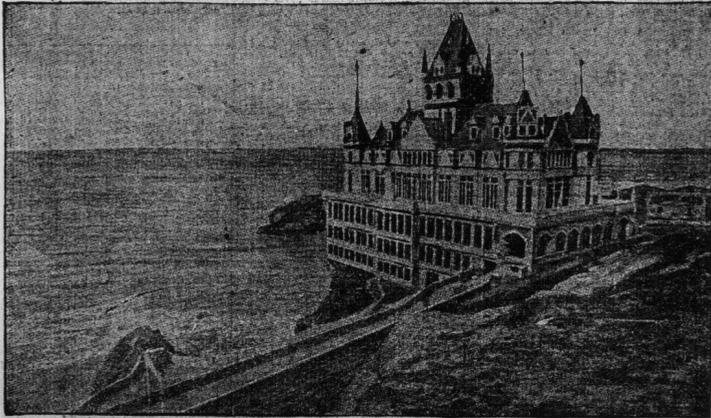
THE RECENT EARTHQUAKE AT SAN FRANCISCO



Ferry Terminal
Panoramic view of affected district

Palace and Grand Hotel
The Chronicle
The Call
The Examiner.

COURTESY OF HARRIS WEEKLY.

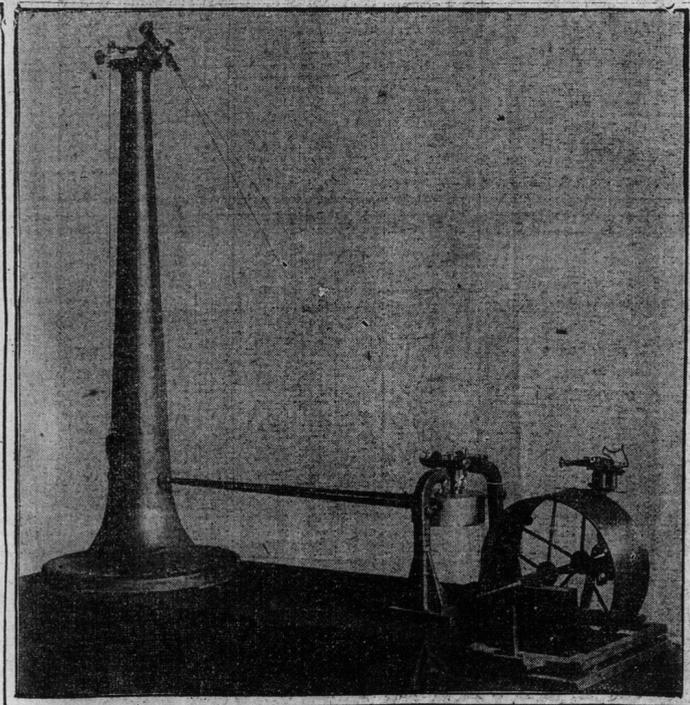


THE CLIFF HOUSE, SAN FRANCISCO.

THE SEISMOGRAPH.

The seismograph at Washington is a horizontal pendulum made by Buch of Strasbourg, and designed after the models described by Professor Omori

of Japan. The instrument has two pendulums, which produce a record of the north and south and east and west components of horizontal motion. The illustration only shows one pendulum, and the trace is a north and south component.



The Seismograph.

practicable at the tracing point, the coating of soot is made relatively thin and paper with a highly glazed surface is employed. The recording cylinder is driven by clockwork at the rate of one revolution per hour, the axis at one end is so constructed as to shift the cylinder endwise as it revolves. The steel stylus, therefore, traces a spiral line on the drum, thus separating the successive portions of the record.

The tracing index magnifies the movement of the pen about ten times. An electric high grade clock closes a circuit momentarily, once each minute, and causes a finger to mark a time stroke each minute on the trace. The above description has been compiled from the American Weather Review. The Boscumont seismograph at the weather Bureau, Washington, which registered the great San Francisco earthquake, of which the above is a trace, reports that the quake began at 8 hours, 19 minutes, 29 seconds, 75th meridian, standard time. The stronger motion began at 8:35 a.m., that is about five minutes after the first imperceptible tremors. The recording pen was carried entirely off the record sheet by the violence of the motion from 8:52 to 8:55 a.m. After the latter time the motion gradually diminished over a longer period of time, but did not entirely cease until about 11:35 p.m. The vibratory motion of the ground at Washington was really a comparatively slow and deliberate motion, each back and forth movement taking 15 to 20 seconds of time. The largest movement of the ground registered before the pen went off the sheet amounted to about four tenths of an inch, or 3/8 to 1/2 inch, and movement nearly one-half inch in the surface of the earth in that city.

It will be seen that the Washington instrument differs considerably from the seismograph known as the Milne type. In the latter the horizontal pendulum on photographic paper which is duly passed by clockwork under the rays of light from a lamp. I hope shortly to reproduce the records of this type of instrument as they were obtained both in this city and at Toronto.

E. BAYNES REED.

OLD TIMER FROZEN TO DEATH.
Kept a Diary in Which His Last Entries Tell the Story.

Eric Erickson, a native of Kristiansund, Norway, and an old timer of the Koyukuk, was frozen to death on the trail between Red Mountain and Bergman, Alaska, about January 19.

He left Bettles alone in early winter under a contract to cut wood above Red Mountain for the steamer of the V. C. Co., but took in barely sufficient provisions to last him till the expiration of his work.

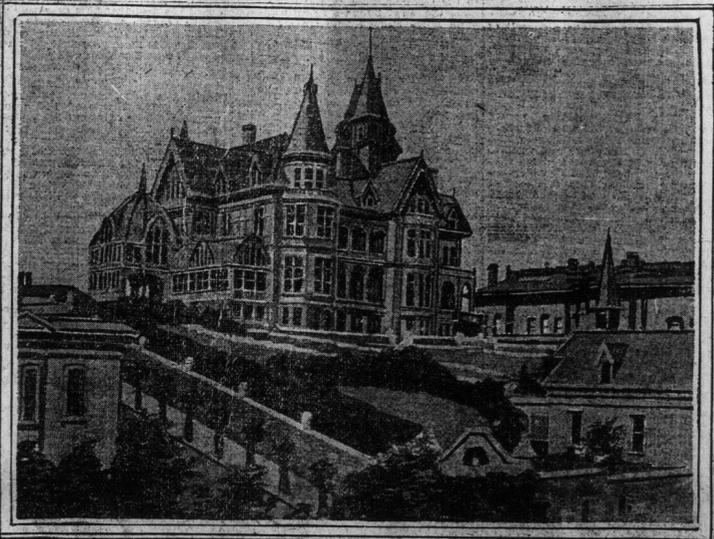
The diary, which he had kept up to the last day of his stay in the wood-chopping camp, shows that the exceedingly cold spell that visited Alaska about that time had prevented his return until forced by the want of food to hit the trail.

The two last entries are:
"January 12—Cold, about 50 below, if not more. My breath is cracking. Heavy wind blowing down river."
"twelve o'clock—The same, cold and clear."

"five o'clock—Clear, cold, and blowing like a son of a gun. Tomorrow I must go, after waiting thirteen days."
"January 13—Cold wind down the river. My breath is cracking. No grub. All aboard for Bergman. I think I'll get there."

The Indian who found Erickson's body says that he was in a kneeling posture, that he held his fingers to his lips as though attempting to breathe departed life to them, and that his trail showed that he had been traveling in a circle.

Archdeacon Stuck and Edward I. Knapp on their way to the Arctic stopped to give poor Erickson Christian burial at Bergman.



The Hopkins Art Institute, former residence of Mark Hopkins, TOTALLY DESTROYED BY THE RECENT EARTHQUAKE.

THIS DATE IN HISTORY.

- 1304—Thomas Cooper, retired English private, died.
- 1643—Earl of Newcastle defeated Lord Fairfax at battle of Braunton Moor.
- 1670—Pope Clement X. died.
- 1676—Auchin A. de Ruyter, famous Dutch admiral, died.
- 1688—Frederick William, elector of Brandenburg, died.
- 1710—Adoption of Pine Tree flag by Great Britain.
- 1702—Matthew Vassar, founder of Vassar college, born.
- 1813—U. S. frigate Essex captured British sloop Adventure, Peley and Georgiana.
- 1827—Rufus King, American statesman, died.
- 1842—British parliament passed new Corn Law.
- 1851—C. C. Pepps, earl of Cottingham, died.
- 1854—Marquis of Anglesey died. Born 1768.
- 1856—John Wilson, celebrated landscape and marine painter, died.
- 1860—The Austrian army crossed the Tichino.
- 1891—Tornado destroyed the town of Cleco, Texas.
- 1891—The Delany ministry in Greece resigned.
- 1905—H. W. Bowen, U. S. minister to Venezuela, recalled.

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Send us your name and we will send you free the handsome Semi-ready Spring Style Book, illustrating the new fashions. In this book you will find a simple home measurement chart advising you how to take your own measurements.

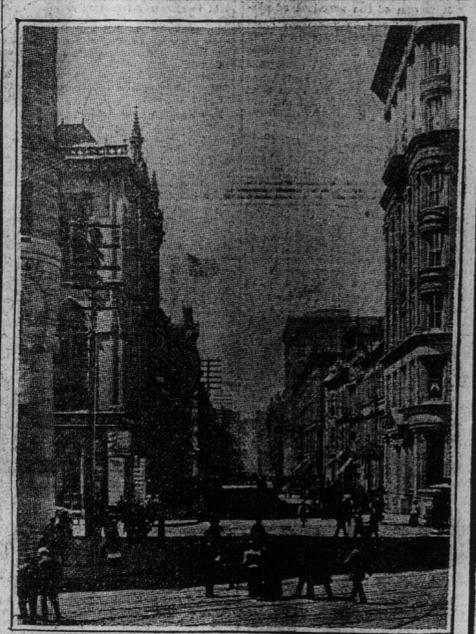
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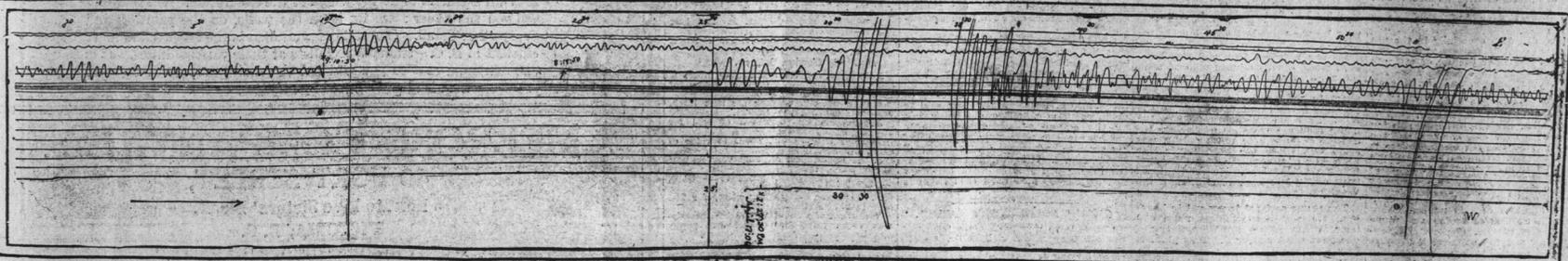
THE CASE WITH HIM.

Mrs. Henpeck—They can't punish bigamy too severely. No one should have any sympathy for the man who takes one wife too many.

Mr. Henpeck—The idea, Maria! Do you think I should be sent to jail!—Philadelphia Press.



Looking Up Montgomery Street from Market.



Earthquake record taken at the weather bureau

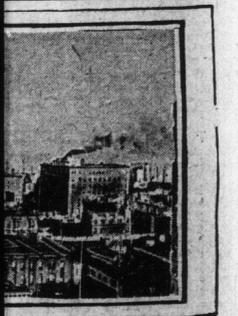


Alcatraz I.



Chronicle Building, D—Grand Hotel

Help and all are requested to send in contributions to either of the funds for the benefit of the earthquake and fire victims.



Pewny's Kid Gloves for Ladies in black and assorted tans, \$1.00 per pair. The best are none too good for Victoria. The Beautiful. Robinson's Cash Store, 8 Yates street.