

these narrow had commenced. This board recommended that no changes be made in the plans already adopted.

contract provided for furnishing all the material of every kind and description required in the construction of the canal, and all the labor necessary for carrying the work to a successful completion.

the canal was accomplished. The extreme height of the river during the freshet was six feet above the 76 mark, the highest previous stage on record.

THE DALLES. Head of Navigation on the Lower Columbia. BEFORE the era of railroad development in Eastern Oregon, The Dalles was the one rich trading center of all that part of the state lying east of the Cascade mountains.

semi-tropical varieties do exceedingly well on the rich sandy loams of the lands near The Dalles, and the shipment of this fruit is yearly claiming increased attention from the people of this part of the state.

try tributary this power may be extensively utilized in the future. Even at the present time there is considerable local manufacturing done at The Dalles.

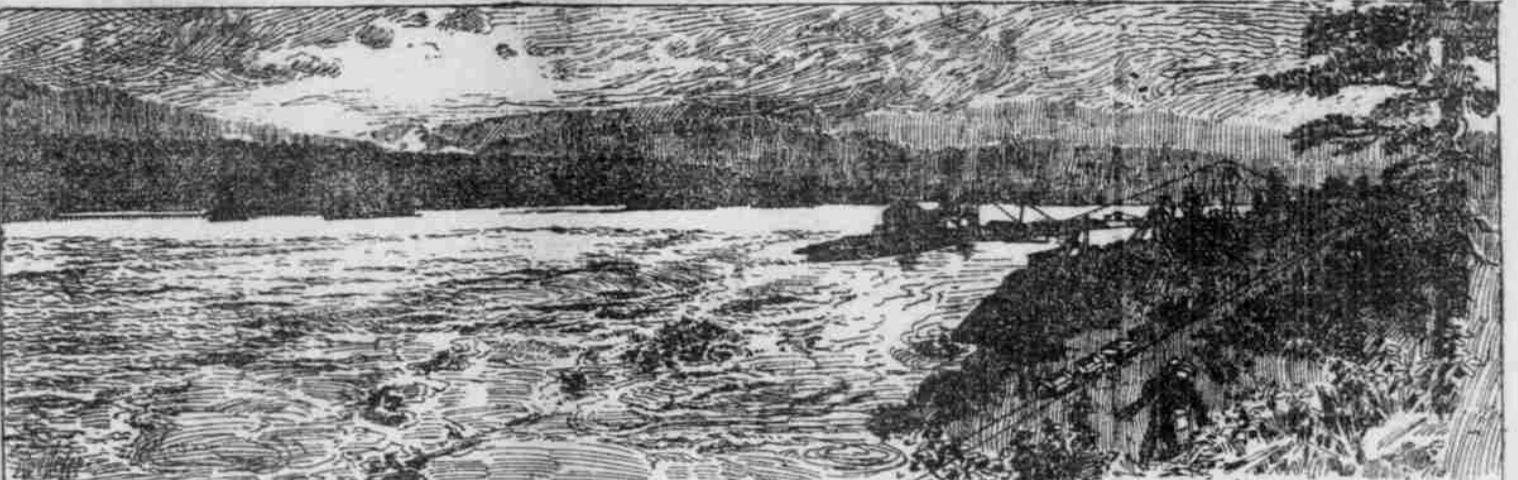
agents and telegraphers, average \$365, and mechanics and helpers in the shops are paid \$523. Switchmen, flagmen and watchmen receive \$500; shopmen, other than mechanics and helpers, make about \$460, and truckmen \$419.

WAGES PAID BY RAILROADS. They Range All the Way From \$60000 a Year Down to \$4000. We hear a lot of talk nowadays about the princely salaries of the railway men.

Shore line is for a stage of two feet above extreme low water. Rocks removed in river improvement shown in black. Points removed in river improvement, 1884, shown thus: [Symbol]

WHICH OR WHETHER IT "HAS COME TO STAY"? whether those who have taken it up will continue it after the novelty has worn off, or whether they will drop it for the next new fad that shall come along.

WALLED LAKES OF IOWA. The Interesting Process by Which They Are Formed. St. Louis Republic. Along the watershed of northern Iowa there is a series of small, clear lakes varying from a few rods to four miles in diameter.



CASCADES AT HIGH WATER, JUNE 4, 1894.—(RIVER AT A STAGE 59.5 FEET ABOVE LOW WATER).

the engineers and the contractors and by working large shifts of men day and night for over a week that it was possible to keep the work in advance of the rising water and prevent them from overflowing the dam, embankments and bulkheads.

MAP OF THE COLUMBIA RIVER. From the Cascades Canal to the Foot of Bradford's Island, showing work done on river improvement.

NOTE. Shore line is for a stage of two feet above extreme low water. Rocks removed in river improvement shown in black. Points removed in river improvement, 1884, shown thus: [Symbol]

the matter at that time, as the construction of this wall would be begun for some time in the future, and that in the mean time the necessities of navigation could be carefully gauged.

the ice, aided by the force of the waves and wind. The wall around the Wright county wonder is from five to twelve feet in height, and of a solid averaging 98 feet, and is composed principally of granite boulders of the size and shape peculiar to the "drift period."

HEPPNER. One of the Leading Towns of Eastern Oregon—The Great Wool Output. HEPPNER, the seat of justice of Morrow county, dates its rise in about 1860. The town contains about 1000 inhabitants.

THE JUNE FRESHET. Battle Royal With the Flood—Plan Finally SAVED. On June of last year there was a freshet in the Columbia river which was unprecedented.

After 19 days of the most constant vigil, all danger of damage to the canal and locks was overcome, and the people of the inland empire were thus assured of an open river to Portland and the sea, where, had the embankments at the Cascades been carried away by the flood, this great work could not have been completed for many years in the future.

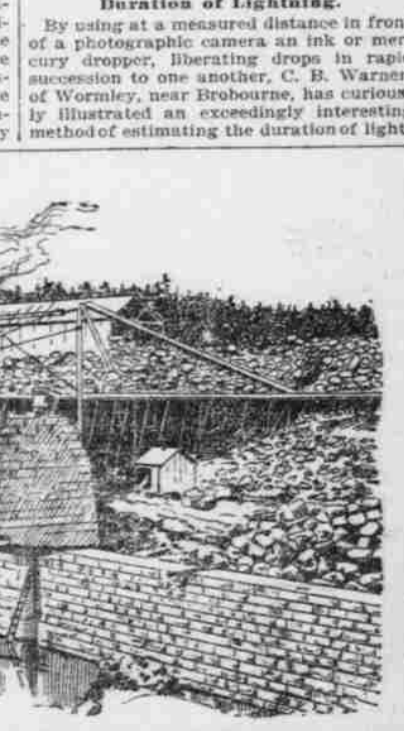
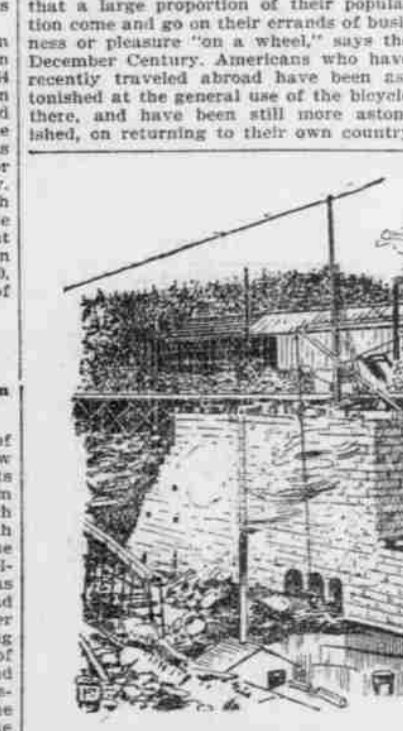
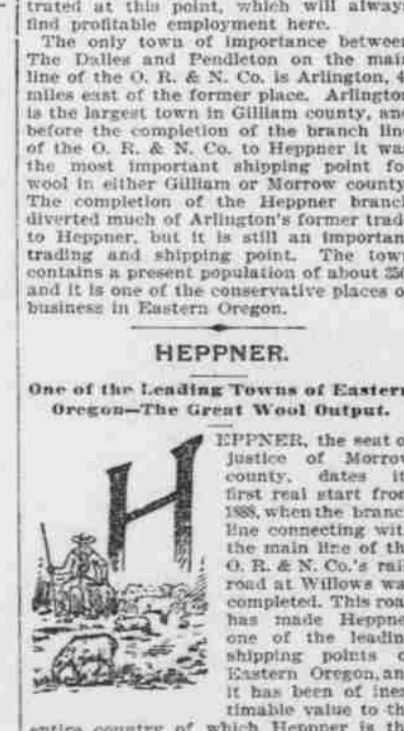
time steamboats run between Portland and The Dalles only by making a transfer of freight and passengers at the Cascades, a point on the river about 40 miles west of The Dalles.

REIGN OF THE WHEEL. The Present Passion for the Bicycle Likely to Hold Out. What may be called, not improperly, the December Century, Americans who have recently traveled abroad have been astonished at the general use of the bicycle there, and have been still more astonished, on returning to their own country

entire country of which Heppner is the trading center. Before the construction of the railroad line to Heppner, the immense wool output of Morrow county and part of the output of Wasco county, which aggregates several millions of pounds annually, had found an outlet at Arlington, the nearest point affording railroad connection.

Duration of Lightning. By using a measured distance in front of a photographic camera an ink or mercury dropper, liberating drops in rapid succession to one another, C. B. Warner, of Wormley, near Brobourn, has curiously illustrated an exceedingly interesting method of estimating the duration of lightning flashes.

DEWS LESS ABUNDANT. Dew is less abundant on islands and on slopes in mid-ocean. Seamen nearing land can tell that fact by reason of the deposits of dew on the vessel.



THE CASCADES AT LOW WATER.—Taken September 22, 1894.

UPPER GUARD-GATE MASONRY, NORTH SIDE.—Taken December 15, 1894.

made with a view of making these walls and gates permanent in character. Up to that time there had been appropriated for the construction of the Cascades locks and canal and for the improvement of the river covered by the rapids below, \$1,880,000, and it was estimated by Major Handbury that an additional \$1,745,000 would be necessary to complete the work.

work with which he has ever been connected has been handled with less friction between the government engineers and the contractors, and that the facility which has marked the progress of all the work at the Cascades has been largely due to the intimate knowledge of the needs of the work possessed by Lieutenant Taylor, and his full appreciation of the great difficulties of carrying a work of this magnitude to a successful conclusion.

"Loving as I Am Unloved." Weston Philistine. We care nothing for the society of today, or the society of young ladies. We have had our day of love and got the worst of it, and are satisfied to go through life with the word bachelor hanging to our coat tail.

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One Snowy Winter. One of the heaviest winters in the history of this country was February 19 to 24, 1717, when the snow remained five to seven feet all over New England.

DEWS LESS ABUNDANT. Dew is less abundant on islands and on slopes in mid-ocean. Seamen nearing land can tell that fact by reason of the deposits of dew on the vessel.