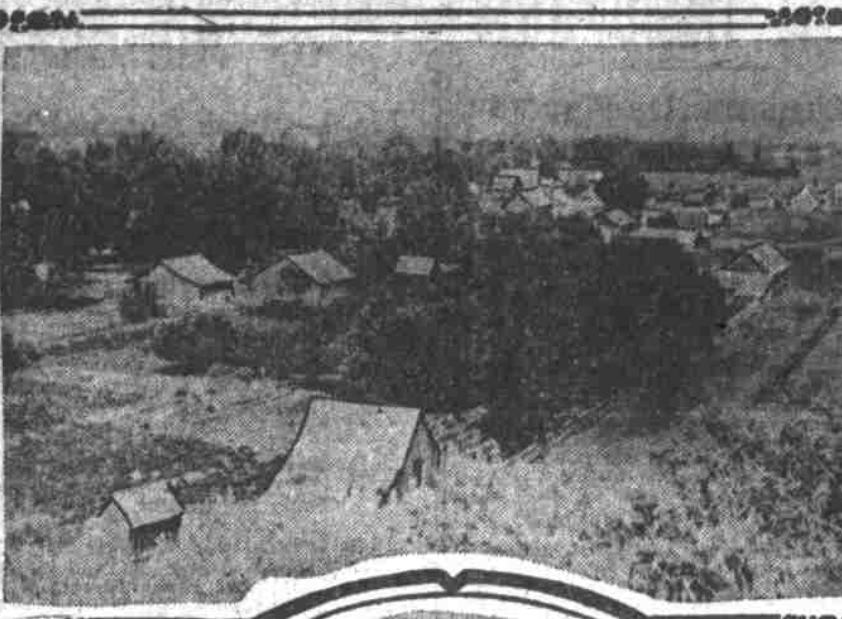


Summer Lake Valley to Be Made Fertile by Large Irrigation Scheme



Town of Paisley, Or.
Ana River Springs.

Summer Lake.

After a delay of nearly six years, the secretary of the interior has granted the application of the Portland Irrigation company for right of way for canals and reservoirs for its Carey act irrigation project at Summer lake, near the town of Paisley, Lake county, Oregon, and the company is now, for the first time since its organization, in a position to go ahead with actual construction work and feel sure it is protected in the expenditure of the heavy cost of constructing its project.

The Portland Irrigation company was incorporated in February, 1903, with C. H. Ball of Portland as secretary and general manager. The company selected for reclamation under the Carey act 12,037.49 acres and its engineers prepared plans for the storage of the necessary water supply and for a canal system to bring the water to the lands to be reclaimed.

Then came a long and tedious delay extending over a period of nearly six years, during which the directors of the United States reclamation service induced the commissioner of the general land office to withhold action on the Portland company's application until it could be ascertained whether or not the government could construct a reclamation project covering the lands sought by Mr. Ball and his associates. In 1904, an engineering party sent out by the reclamation service made a selection of 23,000 acres which included the 12,000 acres applied for by the Portland Irrigation company. This action tied up the whole matter until 1907, when Senator John M. Gearl succeeded in inducing the reclamation service to withdraw its objections to the allowance of the Portland company's application and in September of that year the secretary of the interior signed the contract with the state of Oregon agreeing to patent the lands to the state as soon as reclaimed. However, it took the company nearly two years longer to get action on its application for canal and reservoir rights of way by the Washington authorities. Finally it was only last week after Senators Chamberlain and Bourne had actively

insisted on prompt action that these applications were favorably acted upon.

By the granting of the rights of way by the secretary of the interior the last obstacle in the way of commencing construction was removed, and the company now proposes to organize a construction force to begin work. The entire irrigation system will cost about \$250,000 and will take about two years to complete.

The reservoir to be constructed by the Portland Irrigation company will cover 2380 acres of land, and will store 42,800 acre-feet of water, or 3 1/2 acre-feet for each acre of land. The dam will be 80 feet high, 35 feet long at the bottom, and 267 feet in length at the top. There is to be a spillway 100 feet wide for the surplus water, cut through solid rock, and an outlet tunnel eight feet square and 345 feet long, cut through solid rock around the end of the dam, through which the water will be drawn from the reservoir. The dam will consist of a masonry core-wall five feet thick at the base and three feet at the top, carried down into bedrock far enough to cut off all seepage in the rocks, and to insure water tightness. The toe of the dam will be constructed of earth, and the back will be a heavy rock fill. The dam will be 24 feet thick at the top, and 339 at the bottom. This dam is of the same type and plan as that adopted by the engineers of the U. S. reclamation service for a dam at the same site. The reservoir site is pronounced by all engineers who have viewed it to be one of the very best in the United States.

Lake Geyser Warm Water.
Summer lake, the large body of warm water, which is said by the engineers to be chiefly responsible for the mild climate of the basin in which it is situated, the town of Paisley was discovered and named by John C. Fremont, in 1843. Fighting their way through a severe snowstorm in the dense forest that borders the high rim rock to the west of the lake, he and his party suddenly came upon an open country where there was no evidence of the storm through which they had just passed. Looking down 1000 feet below, they beheld an open lake free from ice and a green valley beyond. The great "path-

finder" immediately gave it the name of Summer lake and called the rim rock on which he and his companions were standing, Winter Ridge, and both are still known by their names.

Summer lake has an area of about 70 square miles, and is fed by Anna river, which is only about five miles in length and has its source in a number of hot springs in the northwest edge of the valley. These springs range in size from 100 to 300 feet in diameter and have a temperature of 65 degrees Fahrenheit. The United States geological survey in a booklet called "Water Supply Paper 220," treats particularly on this region, and the theories advanced regarding the origin of these springs are interesting if not conclusive. The United States engineer, who surveyed this region, estimates the depth of these springs to be about 1000 feet, basing their estimate on the temperature of the water.

"The region is semi-arid," says the report of the United States geological survey, "and the drainage area tributary to Summer lake is limited and clearly inadequate to supply the water yielded by the strong and remarkably uniform flow of these springs."

One theory advanced is that seepage from Silver lake, 20 miles to the north, supplies these springs, but this is not deemed conclusive for the reasons that the water of Silver lake are always cold and its altitude is less than 200 feet greater than the altitude of the warm

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JUBILANT OVER BRIDGE PROSPECT

Improvement Association
Thanks Oregonian and
Journal.

The North East Side Improvement association, at a meeting held in the W. O. W. hall, corner of Russell street and Rodney ave., on the evening of June 18, 1909, passed the following resolutions:

"Whereas, the Oregonian has very ably sustained the demand of the citizens of Portland in asking for a high bridge connecting East Portland at Broadway street with West Portland, to cost in the vicinity of \$2,000,000, and as designated by Mr. Ralph Modjeski; therefore, be it

"Resolved, That we, the members of this club, hereby fully appreciate the honorable and upright manner in which the said Oregonian sustained the cause; and that a copy of these resolutions be spread upon the minutes of this club; and

"Whereas, The Oregon Daily Journal has continuously, in a straightforward and conscientious manner sustained the cause of the city of Portland, furthering their desire to secure the Broadway bridge, as designated by Ralph Modjeski; be it further

"Resolved, That we express our thanks in the fullest and most unreservedly indorse the course said Daily Journal has taken, and that this resolution be spread upon the records of the club; and

"Whereas, The city attorney, J. P. Kavanagh, has at all times in a courteous and gentle manner aided and assisted in a legal way, this club in the Broadway bridge project, in such a manner as to fully impress upon us with the belief that he will unhesitatingly and energetically continue his able assistance until the full completion of the said bridge; therefore, be it

"Resolved, That we fully and sincerely appreciate his kindness in this matter, and ask that a copy of this resolution be placed upon the records of this club; and

"Whereas, The city council of the city of Portland, as a whole, has at all times favored the said club, and the said cause of the Broadway bridge, and has started to finish, in an energetic and courteous manner; wherefore, be it

"Resolved, That we express our thanks by entering this resolution upon the minutes of this meeting of the club, for future reference."

All of the said resolutions above set forth were unanimously adopted, without a single dissenting voice, and with kindly comments from all the prominent members of the club, after which a motion was made appointing R. E. Menefee, L. T. Peery, J. M. Patterson, A. E. Manley, Fred Townsend, M. G. Munly, W. C. North, James J. Clinton, H. A. Heppner, E. Versteeg and D. James, a committee to appear before the Port of Portland and insist that the railroad company be required to retain the present site of the steel bridge, or as near thereto as may be, as the location for the reconstruction of the proposed bridge, and that the Port of Portland require the railroad company in said reconstruction to provide at its own expense all laterals or approaches, and to liquidate all damages that might arise from property in connecting said bridge with the roadway's most prominent and cen-

venient thereto, and that harbor be protected at any cost, and that the said Port of Portland confer with the common council of the city of Portland before giving their final decision as to the location of the bridge, and cooperate with the said body in the protection of the city's interests and rights.

W. C. NORTH, Vice President.
L. E. SAUVIE, Secretary.

TOWN TOPICS

Civil Service Examinations.—The United States civil service commission announces examinations in this city July 8 and 9, to secure eligibles to fill a vacancy in the position of computer in the office of the supervising architect, and on the same date will hold an examination to secure trained nurses (male) in the isthmian canal service. The former position pays \$1600 per annum and the latter \$720. July 14 an examination will be held for laboratory helpers in the bureau of chemistry and for pathologist in the Freedmen's bureau. Charles E. Merrick, secretary of the laboratory helper is \$800 a year and that of the pathologist \$2000.

Grocers Thank Journal.—At the last session of the Portland Retail Grocers' association that body extended a vote of thanks to the Journal for its efforts to give the annual convention of the national association widespread publicity. A communication received yesterday from Charles E. Merrick, secretary of the local organization, says that in no convention city of the United States in which the association has heretofore met have such extended accounts of the meetings appeared in the press.

Practice With Field Guns.—Friday evening, June 25, the quarterly muster and inspection of the battery field artillery, Oregon National Guard, will take place at the Armory. Following the usual exercises connected with the muster and inspection, the battery will give a public drill, during which salutes with blank cartridges will be fired from the big guns. A cordial invitation is extended to the public to come out and see the soldiers boys drill and hear the roar of artillery.

New Acreage on Market.
The Smith-Wagoner company, 333 Chambers of Commerce, having completed the sale of their subdivision acreage, known as Valley Vista, on the United electric carline, have commenced another addition, this time, on the Salem electric line adjoining the townsite of West Portland, is on a 10 cent carfare and the tract, consisting of over 100 acres, is being subdivided into 5 acres tracts. This firm has recently closed out four different subdivisions and in doing so is performing a most creditable work, that of placing into activity large amounts of acreage heretofore earning practically nothing. They report that a great percentage of the people buying are new arrivals from the east, who have been attracted here by the mild climate and the amazing possibilities of scientific diversified farming on a small scale. "Electric service is doing a tremendous service in the development of Portland," said Mr. H. E. Wagoner. "Our firm alone during the past year placed several hundred actual residents on small acreage along electric carlines out of Portland. With the breaking up of these large farms there will be thousands added to the population, and where lax methods now account for almost a wilderness there will be pleasant and prosperous homes."

Tomorrow (Monday) is positively the last day for discount on east side gas bills. Read "Gas Tips."

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Will be open for guests on June 28. Free automobile for guests to and from trains.

New furnishing, large shady yard, hammocks, park benches, swings, sunny rooms, excellent meals. Special Sunday dinner. Special rates for families. THE SHELBURNE, Seaside, Wash.

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JURY BRINGS IN SEALED VERDICT

Trial of Monroe Damage Suit
Was Concluded
Yesterday.

A sealed verdict in the case of A. D. Monroe against the Doernbecher company for \$24,000 damages was returned by the jury at 5:30 o'clock last evening and will be read when the circuit court convenes tomorrow. The jury had been out since 12:30 p. m.

The trial lasted three days, and was hotly contested, although the litigants appeared to be close to settlement at the outset of the trial. Judge Morrow adjourned court to give time for negotiation between them. Monroe claimed that the Doernbecher company failed to carry out an agreement with him for supplying 4,000,000 feet of logs annually at the mouth of the Molalla river. He alleged that his logging camp was taken possession of by the defendants and the performance of the one contract made possible after he had placed 1,500,000 feet in the Molalla and had 750,000 more ready to place on the banks.

Frequent objections and wordy conflicts between the attorneys marked the course of the trial. T. J. Cleaton and Strong & Thompson represented the plaintiff, Wilson and Neal being attorneys for the defendant.

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