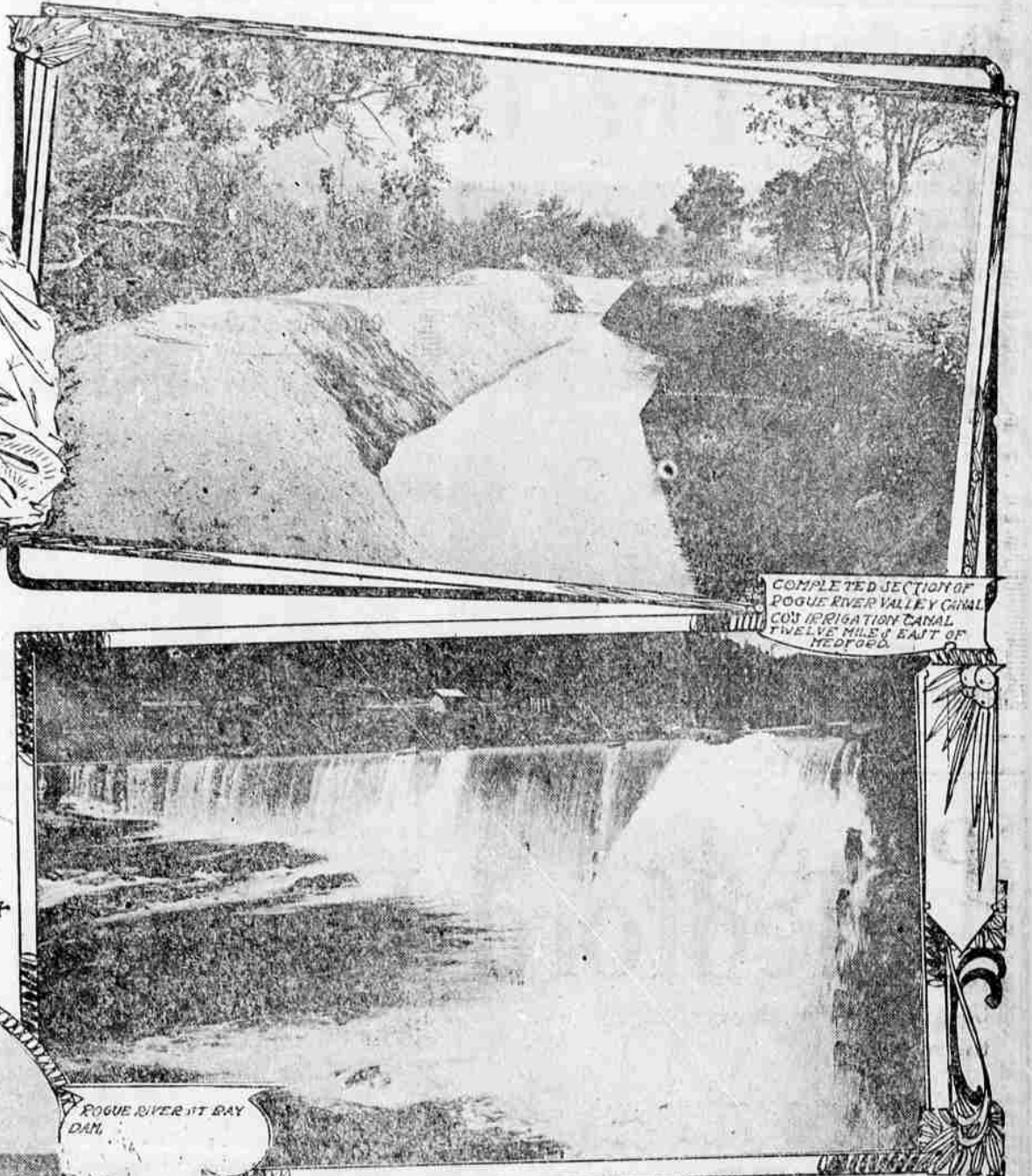


FIRST IRRIGATION UNIT MEDFORD DISTRICT

Some of the Big Enterprises that will Water Thousands of Acres of Orchard



CALIFORNIA OREGON POWER COMPANY TO ENLARGE ITS PLANTS

(Continued from Page One)

ing of the Medford office building in order to accommodate the home office, its equipment and staff. The work of remodeling took several months and a large number of men were employed. The expense of the remodeling of the office building in addition to the cost of the proposed shop and warehouse is \$44,000.

The completion of the Link River dam at Klamath Falls in co-operation with the U. S. government took place last year and was one of the large improvements made by the company. This dam is situated at the outlet of Upper Klamath lake and was constructed in accordance with the company's contract with the United States Government through the Reclamation Service of the Department of Interior. It is a part of the Government's plan for the full development of the Klamath irrigation project and the full utilization of the Klamath watershed. From the point of view of the power company the dam may be used to create a steady flow down the Klamath river and thus prevent the enormous waste which has always occurred during the high water periods.

Over \$60,000 worth of new transformers were purchased in 1921 and miscellaneous extensions to new consumers during that year required the expenditure of approximately \$52,000. Complete construction plans with full details have been completed for the installation of additional unit at Copco. A very complete reconnaissance survey of the new 115 mile 110,000 volt power line has been made in addition to a careful estimate of the cost of the line. All the basic and field engineering work has been done and a tentative design has been made for the future development of the Prospect plant.

Build 115-Mile Power Line. The improvements which are at present under way include the construction of the 115 mile power transmission line from Prospect to Eugene. One million dollars worth of bonds was sold to cover the cost of construction of this line which will be operated at 66,000 volts and which will be constructed so that the potential can be increased to 110,000 volts should occasion demand. The maximum power capacity at the maximum voltage will be 25,000 horsepower.

The new line is the outgrowth of a contract to furnish the Mountain States power company with power sufficient for practically all of its consumers for a number of years. The oversize capacity of the line is part of the policy of conservative expansion which has governed the operations of the company in the past. When the line is complete the network of power transmission lines of the company will extend north to Eugene and south to Delta, Calif., a distance of about three hundred miles and will serve users in

Jackson, Josephine, Klamath, Coos, Curry, Douglas and Lake counties in Oregon, and Del Norte, Siskiyou, Modoc, Trinity, Shasta and Humboldt counties in California, in addition to the users in the Willamette valley, supplied by the new line in conjunction with the Mountain States Power Co.

The work of raising the level of the Copco dam in order to increase the storage capacity and provide water for the new hydro-electric unit or 12,500 K. W. capacity is now under way and the installation of the new unit at an expenditure of about \$2,000,000 is expected to take place this year. Plans are also well advanced for the increase of the capacity of the Prospect plant from 4,700 K. W. to a 25,000 K. W. capacity. This will necessitate the construction of a new power house to house the new units.

Business Growing. The past year opened with severe business depression in the territory served by the company but as the year progressed the conditions improved and taking the year as a whole the gross earnings of the company showed an increase. The company today supplies 200 per cent more power to the communities served than it did in 1913. Its financial reputation is now excellent. The company has paid dividends of 7 per cent on preferred stock ever since its issuance.

15 New Families for City. As a result of the removal of the home office to Medford 15 families and approximately 25 people took up their residence here. Since the removal of the home office to this city there has been an increase in the office force of 35 persons. It is stated by officials of the company that the increase in Medford payrolls due to the removal of the office to this city amounts to \$10,000 per month. The above figures including those on the payroll increase include the home office organization only and do not include people engaged in construction labor.

The construction under way at the present time greatly increases the normal size of the construction force. The total horsepower for the seven plants operated by the company will be 46,000 when the new unit is installed and operating in the Copco plant. This is equal to 34,350 Kilowatts. Proposed improvements will increase the aggregate generating capacity of all the plants to 59,350 Kilowatts. Total kilowatt hours generated in 1921 with the equipment now operated by the company were 129,365,805.

COMPLETION \$1,250,000 IRRIGATION SYSTEM

(Continued from page one)

Central Point. Many miles of this canal are built through solid rock. The capacity is 90 cubic feet per second at the intake and is gradually reduced toward the end of the canal. There are numerous cuts, fills, flumes, city pipe lines, crossings and two long siphons, the latter being of creosoted fir 44 and 48 inch diameters with concrete inlets, outlets and footings.

The cost of this canal, which was first put into use on May 14th of this year, was approximately \$385,000.

200 Miles of Laterals. Unit No. 6 is the distribution system which is composed of a large number of small lateral canals totaling about 200 miles and delivering water to about six hundred different landowners. This system of laterals is exceedingly complicated and the expense of construction has been approximately \$140,000.

The above figures are approximate estimates and the overhead has not been figured in making the estimates, the actual construction cost being the only factor taken into consideration. Canal company officials state that the overhead, such as trucking, payment of office force, etc., will likely add 20 per cent to the cost of each unit.

Was a Long, Hard Fight. The final attainment of irrigation in Jackson county reads like an Horatio Alger story of the rewards of persistence. No hero of a juvenile novel ever suffered more disappointments than the proponents of irrigation in their long fight to get water on the land. Many times the attempt was abandoned only to be resumed when the far-sighted and public-spirited land owners realized that southern Oregon could never achieve her rightful destiny until insurance against drought was obtained. And the only insurance was to put water on the land.

Campaign after campaign was put on by the Rogue River Canal company to secure sufficient acreage for an extension of their system, but they all failed. Finally shortly after the opening of the European war an active campaign was inaugurated to form an irrigation district, and with a few active and aggressive leaders and the aid of the newspapers, the property owners finally voted on September 15,

1917, by an overwhelming majority to form a district, and later also by a large majority the district was bonded for \$1,250,000.

Leonard Carpenter was the first president of the irrigation district and under his direction and active leadership, the pioneer work was done with W. A. Folger and E. G. Coleman of Phoenix as capable assistants. Later Mr. Carpenter resigned, his place being taken by J. A. Westerlund, J. A. Perry having been elected president of the district some months before. At the expiration of Mr. Westerlund's term the property owners elected N. S. Bennett, the present board consisting of J. A. Perry, president, E. G. Coleman and Mr. Bennett, directors. E. M. Wilson has acted as secretary, Ralph Cowgill is district engineer succeeding R. W. Rea, and Lincoln McCormack has been attorney for the district.

To all these men the people owe a great debt of gratitude, for all of them have worked most unselfishly and loyally to give Medford the best irrigation system attainable, they have sacrificed time and money, for the good of the district, and the present system will stand as a monument to their good citizenship and devotion.

Better pick up some of the print paper on rolls for wrapping goods and save money. Comes with cores in it to fit roll paper racks. Much cheaper than wrapping paper.

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