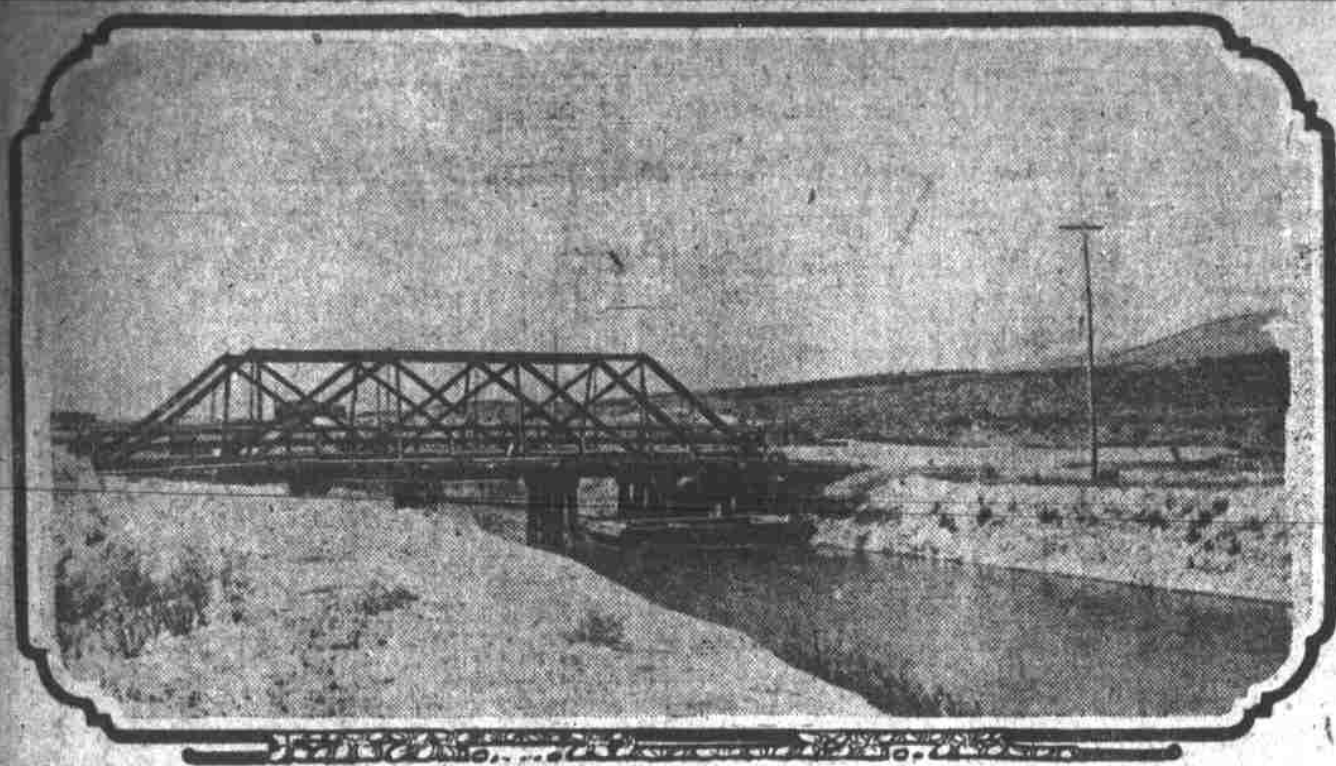


## IRRIGATION AT KLAMATH FALLS

Government Reclamation Project at Klamath Falls Gives Promise of Great Things—To Date \$2,000,000 Has Been Expended and 30,000 Acres of Land Have Been Put Under Water—The Completion of the Work of Irrigating More Than 100,000 Acres Involves a Total Expenditure of \$5,000,000.



By Randall R. Howard.

Klamath Falls, Aug. 20.—An average income last year of \$50 per acre was earned by all lands irrigated under the Klamath government reclamation project. Such is the estimate made by conservative experts. This includes all of the 27,000 acres that have received water, a part of the land being new. Also a great many of the more than 300 new families that have settled on the project since it was opened knew nothing about irrigation before their coming, hence the first two years must be considered as largely experimental.

Excluding new settlers and new lands that have not yet had a chance to show what they may accomplish, the average representative farmer on the Klamath project is estimated to have made his land earn an average of \$40 an acre last year.

To date, the sum of about \$2,000,000 has been expended on the Klamath project, the total estimated cost of the project complete being \$5,000,000. One unit of the project has been finished and water has been brought to 30,000 acres of the total of between 150,000 and 200,000 irrigable acres.

The Klamath government project, taken as a whole, has several very interesting and unique features. It also involves a variety of problems, since it includes both swamp and arid lands. First of all, there is said to be more water available than can be used. This is because of the splendid system of lake reservoirs and rivers that form the central features of the large and splendid project. The chief reservoir site is the upper Klamath lake, a body of water with an area of more than 90 square miles. The Clear Lake reservoir site in northern California is not so large, but it is a magnificent and beautiful body of water. These two and other adjacent lakes drain an immense area in the south central part of the state, and the permanency of the water supply cannot be doubted.

### Available Water Power.

Besides the large amount of available water for irrigation, the Klamath project also includes a number of water-power sites. Indeed, there are those who say that the power that may be developed will in the future more than pay the annual maintenance charges for water, which for the present has been fixed at 75 cents per acre. Thus the Water Users' association, which will come into complete ownership and control of the irrigation system as soon as all of the 10 annual water payments have been met, will have a source of income and ought to pay dividends on their reclamation system investment.

The average cost of water rights under the Klamath project is one of the lowest in the west, notwithstanding there has been some criticism of reclamation service officials because the originally estimated acreage cost of the project was increased from \$20 to \$30. The officials explain that the original estimate of \$20 per acre was made in 1904, when all materials and labor were much cheaper and when the "cost of living" had not become a national problem. Also, construction figures often exceed original estimates. For example, the original estimate of the Harriman engineers for the construction of the Lucian cutoff is said to have been \$2,500,000, but it is known that before the work was completed the expenditures had grown to more than \$7,000,000.

The large earnings made by all land holders under the Klamath project last year prove that the reclamation of the land is cheap even at the increased cost of \$30 an acre. The only regret at this time is that the entire project is not being rushed to completion, since the additional amount of \$3,000,000 would now reclaim from 120,000 to 160,000 acres of land, whereas it has required the expenditure of \$2,000,000 to reclaim the 30,000 acres that now have water.

The Klamath project is unique in the northwest in still another feature. Nearly all other government project lands will be or are being devoted to fruit-growing and intensive agriculture. This is made necessary, in fact, because of

be a success even if the lands are devoted to the very simplest of uses. Al- low every other possible land uses to fall on the Klamath project—which they will not—and the land will still be almost unexcelled for dairying and stockraising purposes. And even for such uses the water right charge of \$30 an acre and a maintenance fee of 75 cents per year will be repaid several times over in the average case within the next 10 years.

### Land Unit Varies.

Because of the dairying and stock- raising possibilities of the Klamath section, and especially of the Klamath project, reclamation service officials have fixed the land unit at 160 acres. On nearly all other national projects, on the other hand, the land unit has been fixed at 80, and often at 40 acres. On some of the projects the maximum land unit is even as low as 10 acres. It may be said that there is practically no limit to the amount of land that any one family may own, under the Klamath project. The man may own 160 acres, his wife can own another 160 acres, and all of his children 160 acres when they become of age.

There is proof, however, that land- holdings under the Klamath project will never be excessively large. During the past two years the average size of the holdings under the government ditches has decreased from 160 acres to about 75 acres, and there is reason to believe that this average will become still lower. During the past two years about 200 new families have settled on the Klamath project, besides the natural sub- division of farms among families. The subdivision of the irrigated lands is still going on, and it is said that there is still room for 100 additional families under the first unit of the project.

At present water is being delivered to about 600 different users. The general prosperity of the irrigators is shown by statements of officials in charge of the project, who report not

more than half a dozen failures to meet water payments. It should be remem- bered in this connection that a large percentage of the new settlers previously knew nothing about irrigation, and the further fact that neither the government nor the state has seen fit as yet to establish experimental stations or farms to aid these new settlers. It should be mentioned, though, that an experimental station has recently been established by the government on the swamp lands that are to be drained under the project.

It is thought that these swamp lands may prove to be among the richest on the entire project when drained and later irrigated. They seem especially adapted to the production of such vege- tables as celery and all plants of the cabbage family. Klamath Falls, as the market center for these lands, is fortunately located, being almost midway between Portland and San Francisco, and with the completion of presently building railroads, within a day's time of each.

Among possible crops on the Klamath project, besides grain and alfalfa, are sugar beets and fruits and many vari- eties of small vegetables. Land may be had on the Klamath project at from \$50 to \$60 an acre, not inclusive of water right costs, which are payable in 10 annual installments without interest, and are considered in the nature of land improvements since the water right becomes permanently appurtenant to the land and since irrigation always more than pays for itself in crops. This same land could have been had for from \$10 to \$15 an acre before irrigation, and the swamp lands have been sold by the state at from 50 cents to \$1.25 an acre. Settlers on the Klamath project are largely from western states, though a Bohemian colony from the east has re- cently come.

## MORE PREMIUMS FOR FRUIT SHOW

### Horticultural Society Publishes List of Additional Awards Offered Exhibitors.

In addition to the partial premium list already announced for the Oregon Fruit Show, to be held November 30 and December 1-2 and under the auspices of the Oregon State Horticultural society, the following additional premiums will be offered:

Mount Hood Land company, \$50, best display from Mount Hood district, Clackamas county; Chapin & Helrow, \$25, best exhibit from Estacada district, Clackamas county; Oregon City Com- mercial club, \$30, best apple exhibit from Clackamas county, \$10, second best, \$10; Albany Commercial club, \$50, best exhibit from Linn county; Corvallis Commercial club, \$100, best 10-box exhibit Benton county (not more than 3 varieties), first \$35, second \$15.

Best single box of each of the follow- ing: Spitzenberg \$5, Yellow Newtown \$5, Baldwin \$5, Northern Spy \$5, King of Thompkins \$5, Wagner \$5, Grimes Golden \$5, Jonathan \$5, Ben Davis \$5. Best decorations \$5.

The Coos Bay Fruit Growers' asso-

ciation promise a premium but has not stated the amount. The Ashland Com- mercial club offer a premium. Others are still to hear from. The complete premium list will be ready early in September.

### Weber's Prize Band.

The following are the programs of the concerts at the Oaks today:

AFTERNOON:  
March—"Happy Nights".....Levi Overture—"The Shipwreck of the Me- dusa".....Reisner Selection from "Amorita".....Calulka "Little Dot".....Froehlich Melodies from famous operas.....Tobani Reminiscences of Pinaclon, Chambers Waltz—"Life on the Vienna Prater".....Translator Gems from "The Prince of Posen".....Liders Soprano solo, "Wonderland of Love".....Bliss Blanche Mehaffey. Liders Soprano solo, "My Cousin Caruso".....Hager EVENING:  
March, "Flag of Victory".....Von Bion Overture, "Semiramis".....Rosini Idyl, "The Glow-worm".....Jancke Duet for two piccolos.....Wiggert Ralph Dye and Herbert Beilstedt. Soprano solo, "Two Little Birds" Brand Blanche Mehaffey. Weber Roosevelt's Tour.....Weber

Funeral of Kate Flavel. (Special Dispatch to The Journal.) Astoria, Or., Aug. 20.—The funeral of the late Kate Flavel will be held next Monday afternoon, from the family residence, with interment at Ocean View cemetery, in the family plot.

The shipbuilding concerns of Ham- burg, Germany, have decided as a con- sequence of the strike of 8000 mechan- ics, to lock out their employees, some 15,000 in number. It is expected that this will stop all warship building.

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- 22-Carat Bridge Teeth, Guaranteed, each \$3.50
- Gold or Enamel Fillings, each . . . . . \$1.00
- Silver Fillings, each. . . . . .50

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| Willard . . . . \$155<br>Large size—powerful tone. Splendid value.                 | Kimball . . . . \$170<br>Interior partly reconstructed; should give several years of service. |
| Ivers & Pond . \$175<br>Rosewood case—thoroughly re- paired; good tone and action. | Tennyson . . . \$175<br>Handsome mahogany case; full metal plate; ivory keys.                 |
| Harrington . . \$180<br>First-class condition; used very little.                   | Schaeffer . . . \$190<br>Hungarian ash case; beautiful finish.                                |
| Wing & Son . . \$128<br>Mahogany case.   | Wesley & Sons . \$195<br>Oak case.  |
| Singer . . . . \$210<br>Mahogany case.   | Richmond . . . \$220<br>Walnut case.  |

## PLAYER PIANOS

- Emerson Angelus \$485  
Fine walnut case; received in exchange; a fine bargain.
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Beautiful mahogany case; perfect in every way.
- Kurtzman Player \$635  
Sample—\$8 note.
- Gabler Cecilian \$650  
65 note; new; a fine old standard make in a beautiful satin finish mahogany case.
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