



Pictorial Review of the Progress of the Ochoco Irrigation Dam and Canal System

The immense task involved in the construction of the Ochoco Project Dam and Canal system cannot be described and appreciated to its maximum unless one can at the same time see the work that is in progress.

It is of course impossible for anyone to witness the different steps of construction, and for that reason, this pictorial record, made at different times as the work progresses from its beginning, is brought to the readers of the Journal.

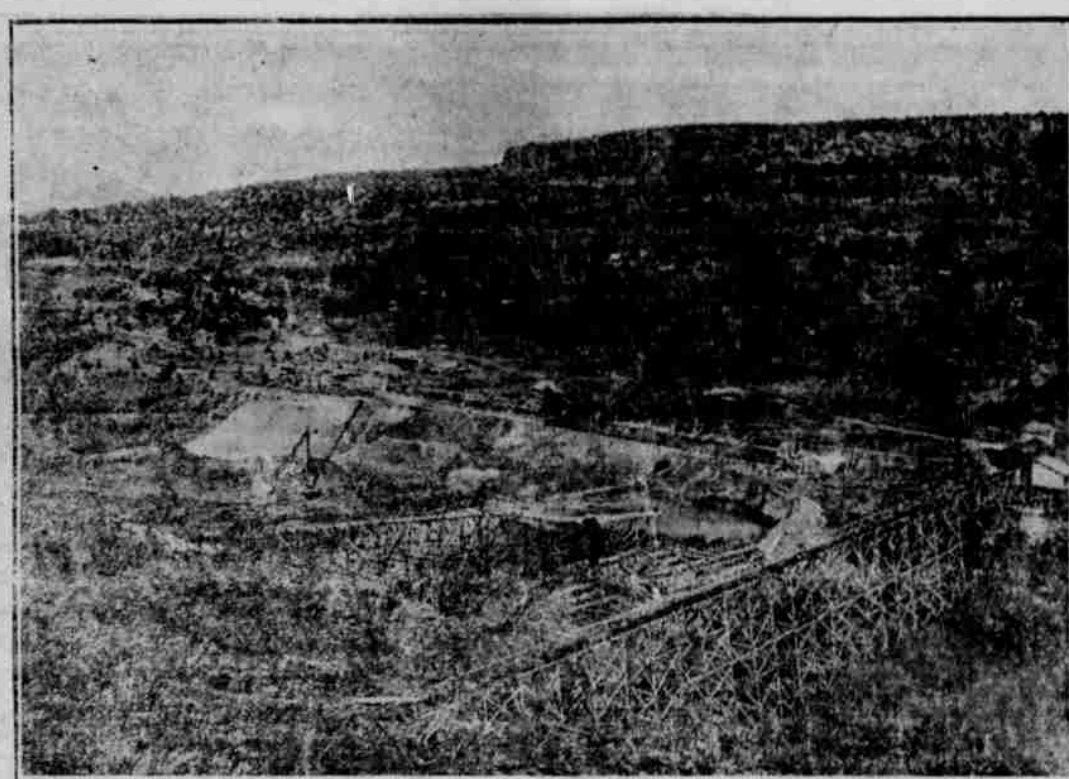
The fullest measure of cooperation with the contracting firm of Twohy Brothers Company was experienced in the effort, and much of the material and photographic matter was furnished through their courtesy. Mr. W. M. Grier, manager for the company, has spared no effort in getting the facts before the people in this manner.

We are indebted to Mr. R. W. Rea, project engineer, for valuable assistance, and contributed articles, which are of high merit.

The photograph at the top of the page shows the south side of the valley, and was taken early in the winter.

The material supply shown in this picture was well tested, and seemed to be ample for the construction of the entire dam, but after work was started it proved difficult to work, and after a number of different pits were opened up here, the entire effort on the south side of the stream was abandoned, after the small dam was completed, and the giants were moved to the north side of the river, and will start there early in August.

The material north of the river seems to be ample, and is of an entirely different nature. It will wash more easily, and while there is a liberal amount of stone in it with the clay and



sand, open flumes are being used, and there seems to be no doubt about the fact that the large, or main dam, will be pushed very rapidly from this date forward.

It is estimated that the entire structure will be completed in seven months from this date, which will be by March 1, 1919.

The picture in the center of this page shows a close up view of the site for the dam, looking from the south to the north side, and will give more of an idea of the up and down stream dimensions of the dam.

In the foreground is a trestle which was used to convey the immense pipe line across the river for the giants, and below is the upper toe of the dam, which was at that time being constructed.

In the left center of this picture is the "clam shell" or "stiff legs" hoist, which at the time the picture was taken, was being used to make a cut off or key trench in the bottom of the dam proper.

A much smaller trench of the same kind was dug under the small dam, or the upper toe, which serves as a double insurance against the immense pressure that will result when the reservoir is filled with water.

The work was started on this project on October 1917, and has progressed very satisfactorily despite war conditions.

The group of pictures below shows the small dam in its various stages of construction and the method by which it was built.

The material is washed in through open flumes, and is held in place by the use of twelve-inch boards, held in position by stakes driven into the material as the height of the dam increases.

Pictures Taken From Time to Time in the Course of Its Construction

