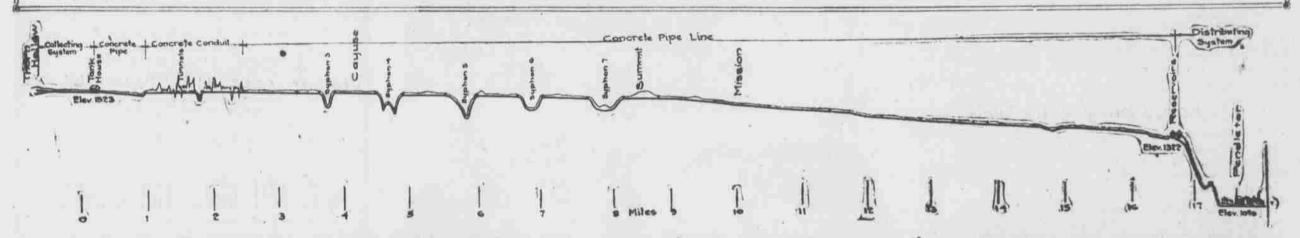
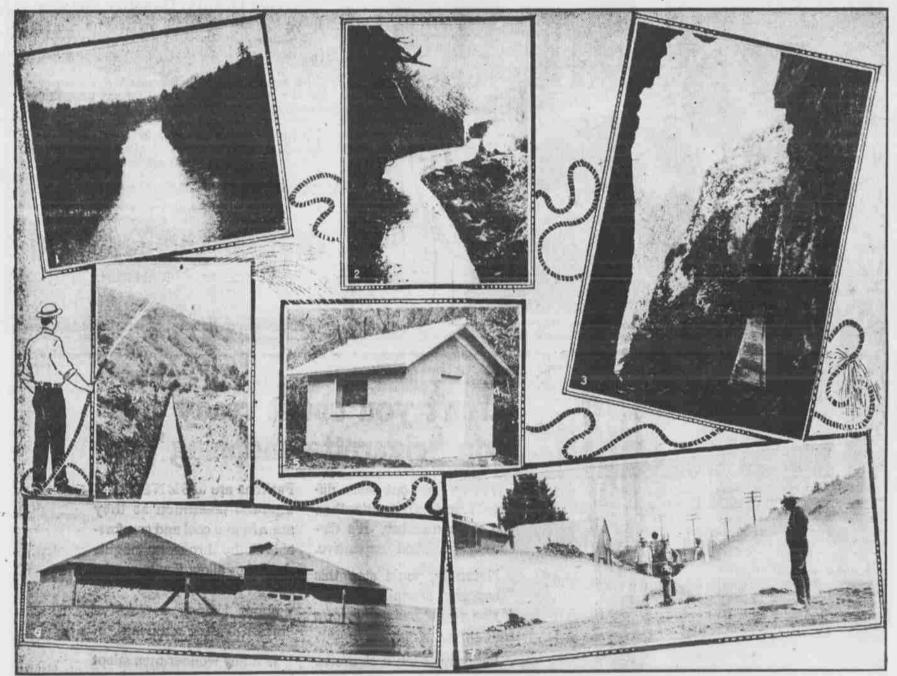
SECOND SECTION Pages 13-24

## ROUND-UP SOUVENIR EDITION

PENDLETON, OREGON, THURSDAY, SEPTEMBER 21, 1916

## SPLENDID MOUNTAIN WATER SYSTEM PROVIDES PENDLETON WITH PURE AND ABUNDANT SUPPLY





Top strip shows route of pipe line from Thorn Hollow to Pendleton. The group picture shows scenes along the line during construction work. No. 5 is view of the twin reservoirs; No. illustrates the heavy pressure under the new system. The group at the right shows scenes at the Public Notatorium, supplied from the overflow from the water system.

springs Like all good things such a weight in the campaign for locating matter through the courts supply was secured only after a long. a normal school in this city. lentleasly.

even surpassed by the famous Bull the gravity system was an issue, they very interesting one. Run water of Portland. In quantity repeated their approval. for years to come In purity it is beyond reproach. Year after year chemists have analyzed it and declared it free from any harmful bacteria, and Pendleton's physicians will furnish testimony that the health of the city has been markedly improved since the mountain water was brought to town. Typhoid fever has been almost unknown here during the past two years and such few cales as have been reported have been traced directly to the use of well water or to out-of-town origin. Bowel intoxication among children, which was so prevalent when the city used river wa ter is seldem heard of new,

Whe city not only furnishes water to her inhabitants but also supplies the

Not by any means the least of Pen- Eastern Oregon State Hospital with supporters had to fight many battles about eighteen miles east of Pendle- pipe line is just the first unit of the may be turned directly into the disdieton's many assets is her water sys- water for domestic purposes. In fact The Indians upon whose ground were ton. The principal spring now being ultimate pipe line. When the water Pendleton's promise to build a grav- located the fissure springs and over used is the Wenix spring. The consumption of Pendleton becomes so through the reservoirs at all. This ar averaging about 100 feet in length, A For a little more than two years ity water line was one of the big fac- whose land the pipe line must pass, springs now tapped furnish plenty or large that the springs can no longer rangement insures a cooler supply of view of one of the tunnels is shown now Pendletonians have been drinking tors in determining the location of opposed the efforts to secure the land water, the minimum 24 hour flow supply enough, the pipe line will be water during the summer months and above. There are four concrete treanow Pendletonians have been drinking tors in determining the location of opposed the efforts to secure the land water the minimum 24 hour flow supply enough, the pipe line will be at the same time is protection against ties on the line. The siphons vary water brought a distance of more that institution. The fulfillment of even though generous offers were during the past summer having been extended due east to the north fork at the same time is protection against from a 15 foot to a 2 foot hydraulic than seventeen miles from mountain that promise is an argument of some made. It was necessary to fight the 2,400,000 gallons. Anticipating the of the Umatilia river, which is in the inconvenience should the reservoirs head. In the building of the water

supply was secured only after a long.
hard fight but that it was a fight well
hard fight but that it was a fight well

First steps toward securing a grav
The secured only after a long.

A normal school in this city.

Selfish interests in Pendleton, some being made to the Chaplish springs, water. Here also an electrical power in that the operation will require distances of half a mile apart. The worth while none will now deny, not ity system for Pendleton were taken gress and others who favored other springs and the pipe line will prob- should ever undertake to supply the practically no expense as the flow of drop on the pipe line is one inch to even those who fought the project re about seven years ago. The people sources of supply fought the plans of ably be extended there next year, city with municipally owned "juice." water into the pipe line is adjusted the 100 feet for the first six miles of wanted it and, when the subject was the commission at every turn. The This will give an additional 1,500 .- The construction work on the grav- automatically at the tank house at the Byen in the hottest period of sumsubmitted to them for approval, they story of the long fight, of the methods on gallons daily. The pipe line is ty project was actually undertaken upper end of the line.

The pipe line is ty project was actually undertaken upper end of the line.

The pipe line is of concrete and house and the reservoirs to the censo cold that no icing is required to At several subsequent elections, when the commission would be a long but gallons of daily daily and this will be contract for the construction of the reservoirs to the cen make it drinkable. In quality it is not

The main source of supply for the for many years to come. Hefore all obstacles were cleared system is a series of springs known. The system was built with an eye the contracts for building the reser- 26 inch pipe is in use. At other points used to supply the public nationfrium

Selfish interests in Pendleton, some being made to the Chaplish springs, water. Here also an electrical power. The system is very favorably built the extent of 52,000 cubic yards. Al-

growth of Pendieton, a survey is now mountain; and which runs pure, cold ever become disabled.

sufficient for the needs of Pendleton pipe line was secured by the Bent of 35,000 feet a 24 inch pipe is used, sure in the central portion of town is Construction Co. of Los Angeles and while for a distance of 17,675 feet a 110 pounds.

along the bluffs at Thorn Hollow were inches to 25 inches. The let to Jeffrey & Bufton of Portland, along the bluff at Thorn Hollow in 24 The reservoirs were completed about inches reinforced. The siphons are April 15th, 1914. Each reservoir has also reinforced and there is a total a capacity of one million gailons and of 17.655 feet of 34 inch reinforced they are arranged so one may be used pipe line in the siphens. In the conwhile the other reservoir is being struction of the line at tone of reincleaned or repaired. Through the use forcement steel was used and 40,000 of a pass the water from the springs barrels of cement.

system there was excavation work to fall is more abrupt, there being a to-

The overflow from the system is



