

DAM AT SAVAGE RAPIDS DEDICATED BY HUGE CROWD

Irrigation Project Will Provide Water for 15,000 Acres of Land; Cost of Dam \$500,000.

Grants Pass, Nov. 5.—Grants Pass put her best foot forward today to the crowds of visitors and distinguished guests, here to help dedicate the great half-million-dollar irrigation dam at Savage Rapids. Early in the morning people began to flock to the dam site, where the dedicatory exercises were held commencing at 11:30 o'clock this morning.

One of the most representative groups of business men ever collected in Southwestern Oregon is here helping to commemorate the memorable event. Even Dame Nature, who has always been kind to the Rogue valley, brought fair weather. President Kay of Oregon Agricultural College, delivered the main dedicatory address. Following this State Engineer Percy A. Cupper and William Harrison of the Anglo & London bank of San Francisco spoke, and the button was pressed starting the machinery in the power house, elevating water to the highline ditches.

WILLIFY IS COST

The Savage Rapids irrigation dam is the center of the Grants Pass irrigation district and will provide water for 15,000 acres of land, 12,000 acres being already included within the district.

The Grants Pass irrigation district was organized February 8, 1917, at which time it consisted of about 5000 acres. Since that time it has steadily grown in size and is still adding many hundreds of acres.

The total cost of construction, including the dam, ditches, etc., will be approximately \$1,000,000, of which the dam will cost about \$500,000.

Savage Rapids dam is located in Rogue river at the Josephine and Jackson county line, six miles east of Grants Pass, Or. The main line of the Southern Pacific Railroad between Portland and San Francisco extends along the north end and the Pacific highway passes by the south end of the dam.

It is a combination multiple arch and gravity type, concrete diversion dam constructed for irrigation purposes. Because of its more than ordinary height over the diversion type, the large head which is developed is made use of by generating power to lift water to high level ditches.

NEARLY 500 FEET LONG

The length of the dam proper is 400 feet, while the total length of the structure is 492, including 11 feet for the canal intake, 41 feet for the power house, 12 feet for fish way and 25 feet for cutoff walls at both ends. The height of the dam is 24 feet above the downstream pavement, and this can be increased 19 feet by movable gates operated on the crest of the dam. The total height of the power house is 47 feet above the lowest part of the foundation cutoff wall.

The canal intake at the south end of the dam has a capacity of more than 100 cubic feet per second, and is provided with a waste way. Provision is also made for the installation of a fish screen.

The power house at the north end of the dam is provided with two turbine units, developing 1700 actual horsepower, which is transmitted by direct connection to the pumping machinery. One turbine drives a 30-inch centrifugal pump, operating against 90-foot head, and is capable of supplying 60-75 cubic feet of water per second through a 42-

inch diameter pipe line, extending through the dam to the South Highline canal, which will supply water to all lands on the south side of the Rogue river, irrigated from the project above the gravity canal. The other turbine drives two 24-inch pumps connected in series. One pump forces the water against a head of 75 feet, while the second pump receives the flow from the first pump at this head and delivers it against a head of 180 feet through a 42-inch diameter pipe line, 1470 feet long to the Tokay canal on the north side of the Rogue river. The capacity of this unit is 40 cubic feet per second.

ONE YEAR TO BUILD

Construction work was begun in July, 1920, and completed October, 1921. The dam was built under contract by the Shattuck Construction company of Los Angeles and San Francisco, Cal. E. J. Carrillo, superintendent.

Although irrigation within the Grants Pass district is of recent issue, yet the use of water for irrigation purposes in Josephine county is not new, for the records in the office of the water master show that irrigation has been practiced in this county for 65 years. The earliest recorded water rights are those of James E. Holland and Christine Trethahn of Holland for water from Sucker creek, and R. P. George and Hilla A. C. Houck of Kerby for water from All-house creek, their priority date being 1856. However, the old county records show that water was used for mining purposes before this, but only the richest of the ground on the mining claims was worked with the result that the water right and mining claims were abandoned.

WATER GREATEST RESOURCE

Outside of the Grants Pass irrigation district there is over 40,000 acres in this county under irrigation and this acreage is constantly being increased by the development of water from new avenues, springs, etc. Many of the new rights are for "early" water, that is, on streams in the early part of the season when they are running full, and the water is used on crops that mature early in the season. Although water has been

used in this county for 65 years yet there is room for much improvement to be made, mostly in the leveling of land. In most of the older rights the land has never been leveled, which prevents the user from getting the greatest results from the water and adds to the cost of irrigating his land.

Water is the most valuable of the resources of this county, for when beneficially applied to the fertile lands, properly tilled, it results in a continuous supply of wealth.

Production of Logs, Lumber, Gains; Jobs Given Idle Persons

Production of logs and lumber is increasing, according to a report for Arthur W. Jones, head of the United States employment bureau, read at the meeting of the mayor's committee of unemployment held in the mayor's office Friday afternoon. The report shows that log production has reached 50 per cent normal while lumber production is now 75 per cent normal.

The members present, J. C. Ainsworth, I. Lowengart and Joseph Bowen, discussed various ways of decreasing the number of unemployed by doing work that is necessary now instead of waiting until spring.

A report from Glenn Ticer of the American Legion indicates that there are 2000 ex-service men without employment. The total number of unemployed in Portland is estimated at 7500, of which 500 are women.

DIKING IS DISCUSSED

Cathlamet, Wash., Nov. 5.—Proposal to dike the tidal lands between Cathlamet and Skamokawa, which include hundreds of acres of potentially valuable farm lands, was discussed by the Cathlamet Commercial club Thursday evening. While no definite plans were made much interest was exhibited.

Bob, the Cat, Came Back, but, Oh How Dirty, Dilapidated!

"And the cat came back." Most cats do, but this one went an unusual distance to get back. He belongs to John Erpen, who formerly lived at 844 East Eighth street north, but who moved recently to Ventura park near Althot station a distance of 11 miles.

When Erpen moved several weeks ago he tied "Bob" up in a gunysack and took him to his new abode. But the morning after "Bob" was no place to be found. Erpen inquired of his former neighbors and of his new neighbors but to no avail. So after a week of searching "Bob" was given up as lost.

Three weeks after he had disappeared, "Bob" was sighted near his old home by a former neighbor of Erpen's. The neighbor wasn't certain it was "Bob," as he had been a nice fat pussy, with pretty gray hair, and the cat that was seen prowling around Erpen's former home was a skinny, dirty cat. In fact he was gray or yellow or black. Anyway he called Erpen by telephone and stated that he thought it was "Bob" he had seen. Sure enough it was "Bob." How glad he was to see his master. He rubbed against his master's legs and purred to be petted. Erpen picked up "Bob" and put him in his machine once more, not in a gunysack this time, but beside him on the front seat.

"Bob" seemed happy to get back to his "family" and Erpen says he has doubts about "Bob's" running away again.

"Bob" has been with the Erpens for over three years, and was raised from a little fat kitten.

Illinois Commission Suspends Proposed Utility Rate Boost

Springfield, Ill., Nov. 5.—(U. S. S.) In a sweeping order issued by the Illinois Commerce Commission today, proposed increased rate schedules for telephone and electric service in hundreds of communities in Illinois were permanently suspended or cancelled and annulled.

The applications of the companies, however, were not set aside in the order, and the commission will fix rates at a later date.

HOME BREW COSTS \$49

Corvallis, Nov. 5.—Jim Barry was fined \$50 in municipal court on a charge of having home brew in his possession.

Mounted Head of Ex-Boss Buffalo Ready for Exhibit

Honor to the king.

The head of Old Joe, daddy of and former ruler of Portland's buffalo herd, has been mounted and will be turned over to the park bureau. The head will be placed on exhibition in the city hall until a permanent place can be had in the zoo.

Old Joe came to the city for the Lewis and Clark fair in 1906, and with his mate ruled supreme over the little herd in Washington park until he was killed in battle last year by a younger bull.



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Thanksgiving Opens a Season of Festivities That Centers About the Dining Room!

The cycle of the season brings us once more to the beloved period when families and good friends gather about the festal board to renew old ties and to form new ones.

The dining room, then, should express the good taste and prosperity of the household. NOW is the time to plan for the new furniture which will mean so much in a few short weeks. Let JENNING'S help you in your planning. We are offering fine suites at a considerable concession from their normal prices.

