

OPERATE PUMPS BY RIVER CURRENT

Dead Ox Flat on Snake River Will Be Irrigated by Big Plant.

(Special Dispatch to The Journal.) Ontario, Or., Dec. 21.—Dead Ox flat, comprising 25,000 acres of the finest land in Oregon, and extending from north of Ontario past Fayette and on down to Welser, on the Oregon side of the Snake river, is in line to be irrigated by a most unique pumping plant now being installed on the Snake river at a point three miles northwest of Ontario, and across the river from Fayette. This plant, which is practically built on what amounts to a pontoon bridge, is being put in by Massachusetts capitalists, who have already expended approximately \$75,000, work having been started last summer, and the first unit of this plant is expected to be ready for public demonstration within two weeks.

Large Pumping Project. This pumping plant is of more than passing interest and importance. The first unit, now nearing completion, is expected to successfully lift from 50 to 100 second feet of water, through a 40 inch pipe, to a 50 foot level, this amount of water being sufficient to irrigate from 5000 to 10,000 acres. This pumping plant, if proven successful and satisfactory to the land owners, will eventually be enlarged sufficiently to raise the water 200 feet high with successive lifts, so that the entire Dead Ox flat can be irrigated. There are about 5000 acres of first bottom land, 10,000 acres of first bench lands, and 10,000 acres of second bench lands, which are especially valuable for fruit-growing. The lands on the first bottom and first bench are all filled on and taken, the land on the second bench is mostly dead land. It is expected that the cost of water rights under this pumping system will be only about \$25 per acre for the lands under the 50 foot lift.

Unique Current Method. This pumping plant consists of 12 screws or floats, each screw being about half as large as an ordinary ferry boat. The screws are so built that a current of water 10 feet wide runs through the center of each. The screws are strung out down stream, 50 feet apart, a total distance of 600 feet, and form a sort of pontoon bridge for the drum, cable and paddles. A drum 10 feet in diameter and 10 feet long is stationed on the first or upper screw. Two strong cables running the length of the 12 screws, or 600 feet long, are made to pass around this drum. One hundred and twenty-five wooden paddles are fastened to these two cables. Each paddle is nine feet long and two feet wide. The two cables are fastened near each end of each paddle. Each paddle is fastened to the cable so that the paddle dips two feet into the water. The swift current striking these paddles causes them to rotate, and in so doing to pass around the big drum, which constantly turns the drum, and thus develop 500 horsepower. There is a friction clutch pulley on the end of the drum, arranged with an automatic tightener. This pulley transmits the power to the big pumps, which weigh 30,000 pounds.

NORTHERN PACIFIC TUNNEL OPENED

Kelso, Wash., Dec. 21.—Trains are operating through the Rocky Point tunnel. Although the tunnel has been practically completed for two weeks, some time has been required to lay out track through it and to prepare the roadbed of the approaches for permanent traffic. The use of the tunnel marks the close of the most important place of work along the Northern Pacific line in Cowlitz county, if not the most important on the entire work. The tunnel is a bore through the solid rock, 1100 feet long, and the only double track tunnel in southwest Washington.

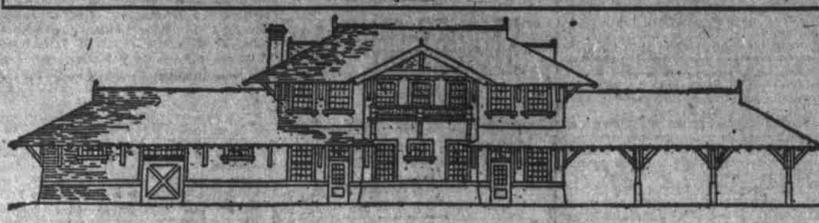
The use of the tunnel by the railroad leaves the old roadbed vacant, and as steps were taken some time ago looking toward the building of a wagon road around the point, it is expected that next summer will see the road built. The Northern Pacific has offered to give its abandoned right-of-way to the state for use as part of the north and south highway, and the use of this short road around the point, obviating the use of the hill road, will be one of the most important portions of the highway scheme. Energetic citizens of this vicinity are already at work in their efforts to secure the right-of-way around the point for a wagon road.



Soft White Hands

Red, rough hands on retiring usually become soft, white hands on rising through this simple and economical "one night" treatment. Bathe and soak the hands on retiring, in a strong, hot lather of Cuticura Soap. Dry and anoint freely with Cuticura Ointment, and wear during the night old, loose gloves, or a light bandage to protect the clothing. Most effective for chapped, itching, burning and bleeding hands.

Type of Depots Being Built by North Coast Railroad



Depot at Benton, Wash., in the Yakima Fruit and Alfalfa District.

ONTARIO MAKES GREAT PROGRESS

Hustling Eastern Oregon Town Has Very Prosperous Year.

(Special Dispatch to The Journal.) Ontario, Or., Dec. 21.—Two hundred and twenty-five thousand dollars in new business blocks and \$100,000 in new residences is the splendid building record for Ontario for the year 1910. This is easily the greatest building record for any year in Ontario history. Included in the new business blocks is a \$100,000 brick and concrete hotel, five stories high and modern in every respect. Fifty-five new residences will have been built when this year comes to a close. These range in value from \$1900 to \$10,000 each.

In addition to the foregoing improvements are two churches. The Presbyterian church will cost about \$8000, and the Catholic church about \$6000. When the many sidewalks, street and sewer works and other improvements are taken into consideration, it is fair to estimate Ontario improvements this year will approximately be \$400,000. Great credit is due T. H. Moore, who is proving to be Ontario's greatest individual developer. The business blocks Mr. Moore has constructed or has under way are: Ninety-two room, five story, \$100,000 hotel, to be ready for occupancy by March 1. Seven store rooms completed. Three store rooms nearing completion. Two store rooms just started. Fine theatre soon to be started. The new Hoyer block is another splendid improvement for Ontario. J. A. Lackey has constructed a splendid building back of the bank. Mr. Lackey was also largely instrumental in making possible the splendid Malheur county fair grounds for Ontario. These wonderful activities have aroused Ontario into a realization of its importance as a future commercial and railroad point. Some important railroad announcements for Ontario and central Oregon may be announced in the very near future. It will prove interesting to watch Ontario grow during the next few years.

CHRISTIAN CHURCH WILL COST \$12,000

(Special Dispatch to The Journal.) Centralia, Wash., Dec. 21.—When completed the Christian church will be the finest and most complete in the city, and in the matter of making provision for practically every need that a church may have there are probably few church buildings anywhere on the coast more complete in their arrangements. The office will be a \$12,000 piece of property and the main auditorium will have a seating capacity for 500 people. There are 14 rooms on the upper floor, the main auditorium, choirroom, pastor's study, men's room and 10 class rooms. The basement contains the kitchen, the banquet hall, the primary department for Sunday school, gymnasium, shower bath room and the game room; also the furnace and fuel room which is all in one. The first Christian church of Centralia was organized in 1870, and was the pioneer in religious work in this district.

40,000 APPLE TREES IN SINGLE PLANTING

(Special Dispatch to The Journal.) Lewiston, Idaho, Dec. 21.—The Lewiston-Clarkston Improvement company is planting 40,000 acres of land on Clarkston Heights to apple trees. Twenty men are at work on the tract. The nursery stock is being furnished by the Vineland Nurseries company, and is thoroughly inspected before being placed in the ground, to insure clean stock. Forty thousand apple trees are being planted, and they embrace most of the popular varieties, which are 8000 Winesap, 7000 Newtown Pippin, 4000 Jonathan, 7000 Spitzenberg, 4000 Rome Beauty and 2000 of summer varieties; 20,000 peaches, which include 8000 Elbertas, 2000 Triumph, 2000 Early Crawford, 2000 Salways and 2000 Mire; 10,000 pears, including 5000 Bartlett, 2000 Comice and 2500 Anjou; plums, 5000; peach plums, 5000; Italian prunes, 6000, and 2000 mixed varieties. These are all in addition to 6000 grape vines, which will be planted in the spring.

RHUBARB PROVES PROFITABLE CROP

(Special Dispatch to The Journal.) Woodland, Wash., Dec. 21.—Ed. P. Goerig has demonstrated that a small tract of land can produce, in rhubarb, a little over an acre of land in rhubarb and has made more money off this small piece than most of the farmers in the vicinity have made off large farms. In addition to the rhubarb, the culture of which he has made a study, Mr. Goerig raises string beans and other garden products, and has also a fine young orchard coming on. Mr. Goerig has just completed a hot-house, 14x100 feet, in which he will raise rhubarb, lettuce and other garden stuff, so as to have it on the market during the months when green stuff is greatly needed, and if the present venture in that line is successful this winter he will increase the length of the hot-house to at least 300 feet next year.

Nurseries Busy. (Special Dispatch to The Journal.) Clarkston, Wash., Dec. 21.—The Vineland Nurseries company, which recently took quarters in Clarkston for grafting and storing purposes, has a full crew at work preparing the roots for the grafts which will be made during the winter. This work will commence in a short time, and will require a large crew of men. Over 500,000 roots are being prepared and stored in the basement of the Horton block.

SILVERTON PIONEER DENTIST DIES, AGE 68

(Special Dispatch to The Journal.) Silverton, Or., Dec. 21.—Dr. William Welch, pioneer dentist of Silverton, died at his home in this city Monday afternoon, after an illness of several weeks. The immediate cause of death was Bright's disease and jaundice. William Welch was born in Clinton county, Iowa, in 1842. In 1862 he crossed the plains by team, stopping at Boise, Idaho, where he was in the employ of the government for a year. He then returned to Iowa, where he married Miss Sarah Pritchard in 1869. In 1873 they came to Oregon by rail, settling at Salem, where they lived five years. They came to Silverton 32 years ago, and have since that time been residents of this city, during all of which time Dr. Welch was actively engaged in the practice of dentistry. He was a brother of the late Dr. John Welch of Portland, and a brother-in-law of the late Dr. Kinney of Astoria. He was well known throughout the state, and was highly respected by all who knew him. Of a family of five children he is survived by the widow, one son, Dr. J. W. Welch of Riddell, Or., and one daughter, Mrs. Thomas Kennedy of Woodburn.

WATER 5000 ACRES BY PUMPING PLANT

(Special Dispatch to The Journal.) Twin Falls, Idaho, Dec. 21.—The Highland Pumping company is placing a pumping plant on the high-lands canal on the south side Twin Falls project, six miles southwest of Twin Falls. These are the first Carey act lands in Idaho to be irrigated by the pumping system under the control of private capital. The lands are too high for the gravity system of the south side, though they were originally a part of the old south side segregation. The state land board has allowed a charge of \$55 per acre, and purchasers have already applied for over 2000 acres.

Express Order Forger Caught

(Special Dispatch to The Journal.) Butte, Mont., Dec. 21.—Frank E. Kelly was convicted last night of forging the Pacific Express company's money orders and sentenced to a year in the penitentiary, the jury being lenient because of his unblemished condition. Kelly is wanted in a number of northwestern towns for similar offenses. At El Paso, Texas, he stole a book of money order blanks and since has been peddling them out through the northwest. He will be arrested when he leaves the Montana penitentiary.

IT IS FREELY PREDICTED THAT THE ENTIRE TRACT WHICH IS ESTIMATED TO HAVE AN AREA OF 5000 ACRES, WILL BE SOLD WITHIN THE NEXT MONTH. ONE FACT SIGNIFICANT IS THAT A MAINTENANCE FEE OF ONLY \$1.50 PER ACRE IS TO BE CHARGED.

WILL IRRIGATE 4000 ACRES ON SNAKE RIVER

(Special Dispatch to The Journal.) Medbury, Idaho, Dec. 21.—R. D. Roberts of Boise, representing the One Thousand Springs company, closed a contract this afternoon with the settlers on Brown's flat, which is located on the Snake river below Medbury, to irrigate 4000 acres of land, and also a tentative contract to irrigate 4000 additional acres of land in the same locality. The land involved under the contracts is rich fruit land. The contract calls for the starting of work in the spring of 1911, and the water will cost \$50 an acre.

TOLEDO TO BUILD \$10,000 SCHOOL HOUSE

(Special Dispatch to The Journal.) Toledo, Or., Dec. 21.—The Toledo school board has sold \$10,000 worth of bonds for the building of the eight room schoolhouse for this district. The sale was made to the order of Women of Woodcraft, at a premium of \$201. The school board has accepted the bid of Denison & McLaren of Salem for the building of the entire eight rooms and the completion of four rooms. The building is to be completed by July 1.

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New Store for Pendleton

Pendleton, Or., Dec. 21.—With the intention of establishing a general mer-

SUFFRAGISTS TAKE TIME BY FORELOCK

Mrs. Dunlavy Files Petition to Amend Constitution on Nov. 5, 1912.

(Salem Bureau of The Journal.) Salem, Or., Dec. 21.—Mrs. Abigail Scott Dunlavy filed petitions yesterday with the secretary of state containing 10,000 names asking that the matter of amending the constitution of Oregon so that women may have votes may be placed on the ballot in 1912. The petitions show that the next presidential election falls on November 5, 1912, and the suffragists have at least enlightened the public on that point even if no other object is attained. Chief Clerk Corey has determined that the number of names required to file initiative petitions for the next election is 9817, that number being the percent of the "whole number of votes cast for justice of the supreme court." Mr. Corey says there can be no grounds for error in finding the whole number of votes cast for supreme justice. He has added together the vote received by H. J. Bean, Republican; Woodson T. Slater, Democrat; J. D. Myers, Socialist, and C. J. Bright, Prohibitionist, and found the total to be 152,197.

The candidates named are those who ran for the four-year term and received the highest number of votes in their respective parties. No other "whole number of votes cast for supreme justice" may be obtained for the Prohibitionists had no candidates for the six-year term. "The law says the whole number of votes cast for one supreme justice," says Mr. Corey, "which makes it plain. Had the law said the whole number of votes cast for supreme justices, that there might have been some ground for confusion as to how the law was to be applied. But I find that the matter is easily determined by taking the vote of the candidates for the four-year term who received the highest number of votes in their respective parties for the same position."

By filing at this time the suffragettes get first place on the 1912 ballot, which is considered of some advantage, especially if there are to be a large number of measures to be considered by the individual voter, who may not have the time or inclination to vote the whole ballot. It is for that reason that the petitions were filed so soon. They were also similarly filed two years ago for the 1910 election at about the same time as this year.

New Store for Pendleton. Pendleton, Or., Dec. 21.—With the intention of establishing a general mer-

chandise store in this city, J. C. Penney & Co. of Salt Lake has leased the vacant room in the Smith-Crawford building for a term of three years, the lease to begin March 1. Penney & Co. maintain 12 stores in various parts of the west and are intending to establish two additional houses—one in Pendleton and one in an eastern Washington town.

RHEUMATISM IS CURABLE. Not by worthless "made-to-kill" nostrums, but by reliable, honest, effective 6088 (Sixty-Eight), compounded from the prescription of a doctor of superior, Wisconsin, who used it extensively in his practice before it was put on the market. It is guaranteed. If you should prove to be one of the few cases it will not relieve, your druggist will refund the money you paid him for a bottle of it. Our Free Booklet, "Medical Advice on Rheumatism" is yours for the asking. Ask us. MATT. J. JOHNSON CO. ST. PAUL, MINN.

Afraid of Ghosts. Many people are afraid of ghosts. Few people are afraid of germs. Yet the ghost is a fancy and the germ is a fact. If the germ could be magnified to a size equal to its terrors it would appear more terrible than any fire-breathing dragon. Germs can't be avoided. They are in the air we breathe, the water we drink. The germ can only prosper when the condition of the system gives it free scope to establish itself and develop. When there is a deficiency of vital force, languor, restlessness, a sallow cheek, a hollow eye, when the appetite is poor and the sleep is broken, it is time to guard against the germ. You can fortify the body against all germs by the use of Dr. Pierce's Golden Medical Discovery. It increases the vital power, cleanses the system of clogging impurities, enriches the blood, puts the stomach and organs of digestion and nutrition in working condition, so that the germ finds no weak or tainted spot in which to breed. "Golden Medical Discovery" contains no alcohol, whisky or habit-forming drugs. All its ingredients printed on its outside wrapper. It is not a secret nostrum but a medicine of known composition and with a record of 40 years of cure. Accept no substitutes—there is nothing "just as good." Ask your neighbors.

DANGER OF FIRE!! is eliminated if you light your Christmas tree with our Electric Christmas Tree Festoons. We have them in sets of 8, 16 and 24 lights each, and almost as cheap as the old style candles. Call or Telephone for Particulars and Prices. O. B. STUBBS ELECTRICAL SUPPLY CO. 81 Sixth St., Portland, Or. Phones—A-1696, Main 1696.

OREGON HOTELS THE IMPERIAL Oregon's Greatest Hotel 150 ROOMS, 104 SUITES With Private Baths NEW FIREPROOF BUILDING MODERATE RATES PHIL METSCHAN & SONS, Props.

Hotel Seattle, Pioneer Square, Seattle \$400,000.00 recently spent on its interior. All furnishings and appointments new, modern and splendid. HEADQUARTERS FOR PORTLAND PEOPLE. Hotel Oregon, Portland, Oregon. Both hotels conducted by Messrs. Wright & Dickinson

THE CORNELIUS "The House of Welcome" CORNER PARK AND ALDER STREETS Beginning May 1 our rates will be as follows: Outside back rooms, \$1 per day; single front rooms, \$1.50 per day. Our omnibus meets all trains. Portland's Newest and Most Up-to-Date Hotel C. W. CORNELIUS Proprietor H. E. FLETCHER Manager

NEW PERKINS FIFTH AND WASHINGTON OPENED JUNE 1908 A Hotel in the very heart of Portland's activity; modern in every respect Rates \$1.00 and up — Moderate price Restaurant in connection E. O. SWETLAND, Secretary and Manager

THE PORTLAND PORTLAND, OR. Headquarters for Tourists and Commercial Travelers. Special rates made for families and single gentlemen. The management will be pleased at all times to show rooms and give prices. A modern Turkish bath establishment in the hotel. 6000 ONE MILLION DOLLARS H. C. Bowers, Mgr.

Hot and Cold Water Long Distance Phone IN EVERY ROOM Hotel Lenox COR. THIRD AND MAIN STS. R. D. & V. E. Torgensen Props. & Mgrs. RATES \$1.00 & UP

Spend Christmas Week at the Beach HOTEL MOORE SEASIDE, OREGON Overlooking the Ocean — Turkey Dinner Christmas STEAM HEAT IN EVERY ROOM A NEW STEAM HEATING PLANT HAS BEEN INSTALLED AND IS NOW IN OPERATION. Special Rates by the Month. SPECIAL TRAIN SERVICE VIA ASTORIA & COLUMBIA RIVER RAILROAD DURING THE HOLIDAYS.

Crescent Egg-Phosphate Baking Powder Raises the Dough. At All Grocers 25c lb.

3000 PAIRS OF SLIPPERS NOW ON SALE Without the Fancy Price EVERYBODY COME 1000 pairs of women's \$1.50 and \$1.25 high cut, fur trimmed, felt Julietts, flexible belting leather soles. These come in blacks and colors in all sizes. Special price, pair..... 79c 500 pairs of misses' and children's high cut, fur trimmed felt Julietts, in blues and reds. All sizes up to 2. Regular \$1.00 grade now..... 69c 1000 pairs of men's fine \$1.50 and \$1.25 House Slippers, soft kid tops, hand turned soles, in blacks, tans, wines and browns, any style you ever saw in any store up to \$1.75 grades. All sizes on sale now at, pair..... 95c 500 pairs of men's 75c and \$1.00 Leather and Velvet Embroidered House Slippers in all sizes, blacks and tans, wide width. The best 75c and \$1.00 value on sale now at, pair..... 59c BRANCH 132 3rd Street Greenfield's Corner Fourth and Yamhill Streets