

## PLAN TO INSTALL A SECOND FURNACE

Interesting Facts Revealed at  
Annual Meeting of Oregon  
Smelting & Refining Co.

### PRESENT FURNACE IS TO RUN TWO SHIFTS

Plant is Producing a Profit and  
Ore Deliveries Are Increasing  
Rapidly.

(Special Dispatch to The Journal.)  
Sumpter, Or., Dec. 31.—Reports of the Oregon Smelting & Refining company's annual meeting, held in President W. E. Lindsay's office, New York city on the 26th inst., have been received. The following directors were chosen: W. E. Lindsay, Walter A. Wood, Jr., Hoochick Falls, N. Y.; Scott Green, Newark, N. J.; John B. Gray, Detroit, Mich.; Robert Weir, Baltimore, Md.; William Coverly, New York; G. F. Holmes, Plymouth, Mass.; W. C. Ingalls, New York, and D. L. Killen, Chicago, and they elected W. E. Lindsay, president, W. A. Wood, first vice-president, William Coverly, second vice-president, E. J. Lindsay, Milwaukee, treasurer, and William B. Nichols, secretary.

Manager V. D. Fuller's report showed he had treated 1,500 tons of ore, the amount being less than it should have been, owing to the difficulties of getting the enterprise under way. Deliveries were increasing steadily and he expected to run the 100-ton furnace on two shifts immediately after January 1. The management will add a furnace. This will be done early in the year and is warranted by the rapid increase in the tonnage available for smelting. The plant is on a producing basis, and good profits are expected. President Lindsay said the net earnings would be placed for a time in the reserve fund.

### RAWHIDE DELIVERS TO THE NEW SMELTER

(Special Dispatch to The Journal.)  
Vancouver, B. C., Dec. 31.—After many delays occasioned in getting the 800-foot tramway in order, the Montreal & Boston Consolidated's Rawhide mine began regular shipments this week to the company's smelter at Boundary Falls, where the ore has been awaited to enable the blowing in of the second furnace. The Canadian Pacific is taking shipments from the tram terminal and the new furnace will be blown in next week.

With the great reserves in sight, and the cheap system of quarrying ore, it is confidently believed that the Rawhide will prove to be one of the most profitable properties in the Boundary country.

### EQUIPPING A LARGE PLACER NEAR OCEAN

Ten tons of machinery, consisting largely of a sawmill plant, has been shipped by Manager H. J. Russell to his placer property on Rogue river, 40 miles from the coast. It will be delivered within two miles of the property by



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smelting-plant, and next spring, when the management has time to blast boulders in the stream, it will be delivered at camp by the Little river boat.

Mr. Russell is perfecting one of the best hydraulic plants of lower Rogue river. His ditch line, on which about \$4,000 has been spent, will be three miles long and will carry 1,500 inches of water. The sawmill is to manufacture the flume lumber and building materials for the camp. A head of 215 feet will be given the water used for hydraulic work. Two streams having their source in springs which do not vary at any season, have been tapped. The property is but 200 feet above level, and with water rights, will be able to work the year round. Timber abounds everywhere.

"Our company controls 400 acres," said Mr. Russell at the Hammond Manufacturing company office last evening, before departing. "Of this, 300 acres is owned absolutely. We have 100 acres of river bar placer, through which the Rogue has worn a channel 15 feet deep, leaving an admirable dump. We have an ancient river channel deposit there also, from which is obtained the typical channel gold. The Rogue bar gold is remarkably pure and occurs in coarse flakes which are easily saved. In the very lowest water season we will be able to keep four giants in commission, which is a strong equipment for what is usually the closed period of the year."

Mr. Russell is manager for the Gold Bar Mining company, a Minneapolis concern. His is the first important hydraulic equipment so far down the Rogue, but other work is assured, for the district is promising for both placer and auriferous, and hand operations have been carried on there for many years. As the Gold Bar management estimates an output of about \$15,000 for equipment, it is apparent that the small operator would be unable to prepare for heavy hydraulic operations.

### RESULT OF HUNDRED BEACH SAND ASSAYS

An interesting fact relative to the beach sands on portions of the Oregon coast, was developed by E. C. Morse, in charge of the Montana metallurgical works of this city, while looking over a list of about 100 analyses that have been made by the company. The samples for these tests came from some of the best known beach properties, and as they were brought in by the owners to get fair results of contents, they may be accepted as typical of the beach general deposits.

Values range from 30 cents to \$1 a ton. The percentage of magnetite iron varies from three to seven, although some of the owners state that their sand has 10 per cent of iron. Values were secured as freely from the original sand delivered here as from a concentrate product. This demonstrates that the sand tested will not be improved by concentration. Explanation of this fact is difficult, unless it is conceded that the gold is so fine that it floats more readily in siliceous sand, or that it is contained in the particles of silica. The sand, as a rule, will all pass a 30-mesh screen, some, of course, being finer, but further crushing tried as an experiment did not give better results in concentration.

The fact that water concentration is not practical, and that the percentage of iron runs low, naturally suggests leaching as the best saving device, unless concentration is found adapted to the exceedingly fine gold particles.

### ORE OUTPUT FOR YEAR NEAR MILLION TONS

(Special Dispatch to The Journal.)  
Vancouver, B. C., Dec. 31.—That this has been a better year for the mines of Rossland and the Boundary than 1903 is evident from the traffic returns of the Canadian Pacific railway. J. M. Law, vice-president of the Kootenay division, has made public the statement that the company hauled from the gold-copper mines of two sections at least 300,000 tons more during the past 12 months than in the previous year. He thinks the outlook for the coming year is even brighter.

There is some disappointment in the Boundary country because the ore output has fallen short of the 1,000,000-ton mark. It has reached 810,000 tons, which is an appreciable advance over 1903. The Granby mines lead all others, one-half of the output coming from them. The Granby smelter has treated 274,000 tons of ore this year, most of which came from the company's mines at Phoenix, B. C.

### LUCKY QUEEN MILL IS EN ROUTE TO THE MINE

The 10-stamp mill, with concentrators and both steam and water power plants, has been shipped by the Hammond company to the Lucky Queen, Josephine county. There will be little delay in erecting the mill, as the buildings are up and the mine ready to commence production of ore. Manager C. D. Crane expects the Lucky Queen to be producing in less than two months.

### BELOCHER'S COPPER SHORT.

(Special Dispatch to The Journal.)  
Spokane, Wash., Dec. 31.—Samples from the output of the Belocher mine near Republic, Wash., for assay indicate that the Belocher is one of the great copper properties of the northwest. The total tunnel work exceeds 2,500 feet. The longest of these drives is in over 1,000 feet, and is still being pushed into the mountain, where it is gaining depth rapidly. In this tunnel the ledge was entered 400 feet from its portal. The tunnel has been driven along the foot-wall of the vein for nearly 400 feet. Copper values are said to have increased from 3 to nearly 9 per cent on the average. The ore is well adapted to smelting. An offer has been made by a smelter for the entire product of the mine.

### LARDEN'S BANNER YEAR.

(Special Dispatch to The Journal.)  
Vancouver, B. C., Dec. 31.—In taking stock of the year's results the Lardene country finds 1904 to have been its banner year. With the Silver Cup, Nettie L., Reduction and Lardene mines all proving successfully, the big tunnel scheme advancing, the Bad Shot, Mohican, the Black Prince and half a hundred other properties working, 1905 is big with promise for the district.

### MERCHANTS ORGANIZED.

(Special Dispatch to The Journal.)  
La Grande, Or., Dec. 31.—The merchants of La Grande have organized a Merchants' Protective association through the efforts of the La Grande grocers, and have elected the following officers: President, E. E. Romig; vice-president, W. McFarland; secretary, A. S. Geddes; treasurer, J. D. McKennon. A board of directors will be elected at the next meeting.

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## IRRIGATION WAR WAGES FIERCELY

Klamath Basin Scene of Contest  
Between Government Com-  
mittee and Private Concern

### CANAL COMPANY MAKES A VIGOROUS CANVASS

Circulars of Warning Sent Out  
to Residents by Secretary  
of Opposition.

(Special Dispatch to The Journal.)  
Klamath Falls, Or., Dec. 31.—The battle between the government irrigation committee and the Klamath Falls Canal company is waging more fiercely. The canal company is making a house to house canvass in behalf of their project, and the government irrigation committee is sending out circulars of warning to the people not to enter into a contract with the private company.

J. Scott Taylor, secretary of the irrigation committee, has issued the following letter for publication:

"In the Republican of December 22 appeared a lengthy article setting forth the terms upon which the land owners of Klamath and Poe valleys may require a proposed irrigation system of the Klamath Canal company. The article accuses the friends of government irrigation, who are working to secure it, of being actuated by personal motives, and to as great an extent as the promoters of the Klamath Canal company's project. An attempt is made to show up the advantages to the people of acquiring this system rather than the one proposed by the government."

"The principal points of the discussion are that the canal company is making a better offer to the people than the government; that it can construct a system more cheaply and in a shorter time than it is possible for the government to do. The land owners are urged to accept the offer of the canal company because it has a definite proposition to make; the acceptance of which can possibly do no harm. It is urged that the people should stand by the canal company because it was the first in the field. Finally it is argued that the purchase of the system would be an advantage to the land owners, as the property could at the proper time be turned over to the government and become a part of its system."

It is not the intention of any of the members of the committee which favors government irrigation and is working to secure it to enter into personalities or compare past records with any of the members of the canal company. Neither is it necessary to defend the motives which are actuating the committee and other citizens of the valley in working for government irrigation, for it is a public benefit and will bring the greatest good to the people of this country that could possibly be conceived. Aside from this, the land owners and those to be benefited by irrigation have the right to judge of the work done by the committee whom they have chosen to represent them."

"The statement that the offer of the canal company is better than the government can give will hardly be taken seriously by anyone."

"The canal company says it will construct the system and turn it over to the people for a fixed price of \$15 per acre, on a basis of \$5,000 for the land irrigated. If this is a business proposition, the price paid for the system must include a profit to the promoters of the enterprise, and interest upon the capital required to do the work. If it is not a business proposition, the work cannot be carried on; for private capital is not available for enterprises which do not offer a fair margin of profit; especially in this time of private irrigation ventures, the reason being that practically all of them have been financial failures."

The government offers, through the reclamation service, to construct for the people an adequate system for irrigation and drainage, to turn it over to them at actual cost of construction, and to allow them 10 years in which to pay for it, without interest. This system, when completed, will include all the land in the Klamath basin susceptible of irrigation, and the reclamation of large areas which at the present time are useless. The work done by the government will be of a most substantial character, and not of a nature to require a perpetual high maintenance charge, as is usually the case with systems built for revenue and profits to the promoters."

"The question of the future of the people of this valley is not one that should be answered, or in any way affected, by sentiment. It matters not whether the government or the Klamath Canal company is first in the field; what the people want is to get the best that can be had, and to make the most out of their lands. The government offers a proposition, the terms of which cannot be carried out by any private individual or company without serious loss. It is for us to accept or reject this offer."

"To accept any other proposition under the delusion that water will be gotten to the lands more cheaply and in a shorter time than can be done by the government is simply to delay the work before us. If the people were the owners of the Klamath Canal company, its works it would not be any use to them in securing government irrigation. And it may at this time be stated upon reliable authority that no part of the Klamath Canal company's work could be used by the government as a part of an irrigation system. The encouraging of the Klamath Canal company to go ahead with its work, thinking that this is the best thing to do, is the cause of government irrigation; in, we know, an error of judgment and should be discouraged."

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### MASONIC LODGES OF LA GRANDE INSTALL

(Special Dispatch to The Journal.)  
La Grande, Or., Dec. 31.—A joint installation of the Masonic, Royal Arch and Eastern Star lodges took place in the Masonic Hall in this city Wednesday night. Officers installed for the ensuing year were as follows:

Blue Lodge, No. 41, A. F. & A. M.—Dr. M. K. Hall, worshipful master; senior warden, F. A. Kilpatrick; junior warden, C. Ralston; secretary, A. C. Williams; treasurer, J. M. Berry.

In La Grande chapter, No. 9, R. A. M.—H. P. Frank Kilpatrick; king, M. K. Hall; scribe, F. M. Jackson; captain of the host, E. J. Reynolds; principal journeyman, W. J. Church; secretary, J. M. Berry; R. A. captain, C. T. Eason; first master, W. C. Woyes; second master, J. McWood; third master, J. Frank Holmes.

The O. E. S. lodge installed also, and this was one of the largest affairs of the kind ever held in this city.

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