

STEAM DISPLACED AT THE COLUMBIA

Water Power Used to Actuate Compressor, Which Supplies Hoist and Mine Drills.

LARGE WOOD BILLS ARE NOW THING OF THE PAST

Columbia Most Extensively Developed Mine in the Blue Mountain Mineral Zone.

(Special Dispatch to The Journal.) Sumpter, Or., April 1.—Manager F. E. Baillie, of the Columbia, has completed the water power and compressed air plant erected on Fruit creek, a short distance below the Golconda mine. An air pipe has been laid from this plant to the hoist at the collar of the main shaft, and the more economical energy is to supplant steam in all parts of the development and sinking equipment. The Columbia has water power, applied directly, for the first time in this district, but has been using steam for many years at the hoist, and for this service alone the wood bill was heavy. By taking up the waters of Fruit creek immediately below the old plant and at a point not interfering with the operation of the North Pole, power is secured for the latest installation, which is said to be sufficient for the hoist and large compressor just put in. The Columbia put in a battery of 12 water Leyner drills a few years ago, but has lately been supplanting these with a complete Ingersoll-Sergeant plant. The compressor is of this make, and will be of a capacity to actuate several more drills than the manager has been using in former work. The workings of this mine, embracing seven shaft levels with extensive drifting on each, and four long adit drifts, are the most extensive of the district. The Columbia has done the deepest shaft mining in eastern Oregon, save the work of the Bonanza, which has a vertical shaft 1,300 feet. By drifting from the lowest shaft level of the Columbia under the apex of the divide between Fruit and Big Creek, a depth of 1,200 to 1,300 feet is had, which is doubtless the greatest vertical depth attained by any mine workings of the district.

TIME FOR MINING MEN TO WORK IS LIMITED

But two more months remain for completing the mineral exhibit. The various states that will exhibit at the Lewis and Clark fair this year have been getting their collections of minerals in shape for a grand display. Oregon will make the greatest effort in the state's existence to display mineral resources to advantage. All who desire to get their ores in the mining building will have to make haste, if the specimens have not been gathered yet. Superintendent Mellie, of the Oregon exhibit, will probably commence arranging his specimens by May 1, after which his time will be fully taken in this feature of the work. The British Columbia Provincial Mining association secured permission from the government to make an elaborate exhibit here. California contemplates bringing a superb collection of ore. Idaho will show a mass of rock that has made that state famous as a producer of silver, lead and gold. Utah's recent plans are said to embrace an especially fine ore collection. Miners of Ketchikan, Juneau and the Yukon districts of Alaska are working to bring to this city some of the finest ore ever taken from that territory, with the more striking placer gold exhibits. Washington and Montana will be represented heavily. There is assurance that the mining building will be typical of the mineral resources of the coast, and especially the northwest.

In view of this general interest and the further fact of heavy attendance of men during the season who will be looking up mineral resources, Oregon mining men realize the necessity of hastening themselves. But the time is limited. It will be necessary for all who have not gathered their mineral to do so in a brief period and get their products here quickly. After the superintendent has outlined his plans according to the ore in sight, he will be reluctant to alter them materially to accommodate late arrivals. There has been a spirited effort to have mining interests organize for more effectual work this year. A number of operators intend to be here a portion of the season, and either in person or by representative meet at the time. Many other operators would like to see the strangers visiting the fair accommodated in every measure possible and receive such information as they desire. The superintendents of the various exhibits will find it difficult to perform all of this work, and it is the desire of mining interests that their efforts be supplemented. There will be representatives of other mining organizations here during the fair. Some place that could be called headquarters for Oregon mining men and where visitors could be received has been pronounced almost a necessity. In view of these conditions the local mining men are endeavoring to get in closer touch for the year at least. Either through the present association or otherwise they feel that they should be able to receive their guests. Inquiry is being made in the various districts as to what all operators think, and whether they desire to get in shape for the work of a host.

CROSSCUTTING VEIN SYSTEM AT THE RED BOY

(Special Dispatch to The Journal.) Granite, Or., April 1.—Development at the Red Boy is yet confined to the

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Ask your grocer for a can and be convinced that there is nothing better or purer at any price.

each shaft level, where the crosscutting vein usually takes up its being, extensive development has been made. A series of level drifts in this tunnel, as the management has not yet started the compressor plant, may be likely to until arrangement has been made for supplying the water power plant giving abundant energy for the machinery. The prospect is being driven to open the Concord vein on the Red Boy level, and later the Hellen. Neither of these veins, which were explored in the old Concord workings, has ever been touched at depth. The Concord had a large shoot which did not have great length near the surface, but the management is confident that this ore body will prove an important part of the mine's reserves when explored at the depth of the present work. Manager John Thomson is still working on the proposition of building the hydro-electric plant, using the Olive lake water system where the storage basin has been completed and surveys have been made for the pipe line. Those in touch with the company believe that this work will be completed the present year.

PATENT FEEDERS ARE IN USE AT THE GRANBY

(Special Dispatch to The Journal.) Phoenix, R. C., April 1.—Four of the patent furnace feeders at the Granby have been put in commission, and the other two will be ready for use soon. These charging devices are the patent of Superintendent Hodges, whose economies have steadily brought the cost of smelting at the Granby down to the world's record. Three motors are used on the charging floor, each drawing two feeders. The feeders, bearing the furnace charge of ore and fuel, are run into the furnace and dumped where desired. One motor with its two feeders is capable of attending two furnaces. The management pronounces the work a positive success, and there is general praise for this last product of the inventive mind of the superintendent.

WILL EXTEND DEPTH

(Special Dispatch to The Journal.) Sumpter, Or., April 1.—Arrangements have been completed for driving 500 feet of the lower Imperial drift at the Imperial mine, Cable Cove. This tunnel has a length of nearly 400 feet, and the 500-foot extension will open the ore shoot that has been stopped in upper workings, and which has been explored by a vein of 80 feet in depth below the main level. The additional work was arranged for immediately following the visit to the mine of President Alexander H. Sibley of Detroit, who is at the head of the concern backing the present Imperial management. Mr. Sibley was at the property for a short time, and expressed full satisfaction with the result of winter work as he passed through this city en route home.

READY TO START MILL

(Special Dispatch to The Journal.) Baker City, April 1.—Manager J. W. Hughes, of the Equity company, operating in the Quartzburg district of Grant county, states that the five-stamp mill of this property is to be started soon. Most of the development prosecuted during the winter has been on the Oregon claim, where the vein is strong and the showing of ore is said to be as good as that found on the Colorado. There is enough ore in sight to keep the milling plant busy for the season, and the management intends to keep up steady shipments of crude ore and concentrates.

NEW TRADE MARK LAW IS NOW IN OPERATION

Additional Advantages and Means of Protection Provided for Business Insignia.

(Journal Special Service.) Washington, D. C., April 1.—The new law authorizing the registration of trade marks and providing for their protection, which went into operation today, marks the consummation of an effort on the part of business men of the United States covering a period of 19 or 20 years.

For an even longer period the matter has been agitated in Congress. Since 1870 the matter of revising and modifying the laws relating to trade marks has been before the national legislative body in one form or other. Under an act of 1878, President McKinley appointed commissioners to revise and amend the trade mark laws. This commission, composed of Francis Forbes, Judge Peter B. Grosscup and Arthur P. Greeley, made an elaborate and exhaustive report on the subject of trade marks, and prepared the bill which became a law today.

The measure, before it was submitted to congress at the beginning of the last session, received the approval of practically all the business organizations in this country. From a commercial standpoint the new regulations are of wide interest. The new law saves all the rights of the trade mark owner as they have heretofore existed, and offers additional advantages and means of protection. (1) It permits the registration of all trade marks used in interstate commerce; (2) it puts all controversies growing out of trade marks used in interstate commerce within the jurisdiction of the United States courts; (3) it permits the registration of every trade mark now in use, whether it complies with the technical rules of the patent office or not, provided the mark has been in use 10 years; (4) it provides a remedy by way of injunction, actual damages, punitive damages, and profits derived from infringement, as well as the destruction of infringing labels, marks and packages; (5) every unlawful use of the registered trade mark, whether on the very goods themselves, or on advertising matter, signs, receptacles, or other vessels, will constitute an infringement; (6) the government charge for registration of each trade mark is \$10.

DAYTON CONVENTION

(Special Dispatch to The Journal.) Dayton, Or., April 1.—The Yamhill county Sunday school convention that convened here Thursday closed yesterday afternoon. Although the weather was unfavorable, delegates were here from all parts of the county. A State President Morse from Portland, advertised for Thursday evening, was delayed by a railroad accident at Sherwood, but spoke yesterday.

ANNIVERSARY

(Journal Special Service.) Copenhagen, April 1.—Throughout Denmark literary exercises will be held in honor of the centenary of the birth of Hans Christian Andersen, known the world over for his celebrated "Fairytale." He was born at Odense on April 2, 1806, and the inhabitants of his native town will, of course, pay special honor to the anniversary. A libel already written in the Senate of the House of his child-

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CORPORATIONS WILL HAVE TO PAY, TOO

Lands to Be Uncovered in the South Portland Assessment District.

If the recommendations of the street committee of the city council are adopted by the council, the assessment of costs of the six big fills in South Portland, amounting to about \$120,000, will be rescinded and the districts will be extended to include the same territory as that of the First and Front street bridge assessments. The extension of the assessment district will include about 200 acres of land belonging to the Oregon Railroad & Navigation company, and the Southern Pacific company, and will make the burden much lighter on the smaller property-owners.

A delegation of South Portland citizens, headed by Mark O'Neill, appeared before the committee yesterday afternoon, and stated the grievances of the interested property-owners. A heated discussion followed and the actions of the council in the proceedings relating to the fills were severely criticized. Councilman Zimmerman, Sharkey and Merrill stated that they thought the districts to be assessed for the fills and bridges were the same, and were surprised to learn that the districts for the fills did not include territory equal in amount to that of the bridges.

Dan J. Malarkey, representing the Trinidad Asphalt company, asked the committee to take proceedings to open the specifications for street improvement for competitive bidding. The matter was referred to the city engineer, who will prepare specifications allowing different companies to bid on all bituminous and bitulithic pavements.



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