



## BOHEMIA MINING NOTES

### And General Mining News Gathered From Ex- changes.

David Ivy went to Bohemia Monday.

John Brand, after a week's visit in this city and Eugene, returned on Monday to his home in Bohemia.

Ernest Lookwood, who has been spending a few days in the city, returned to his work at the Vesuvius on Monday.

Last week F. J. Hard went up to the Vesuvius property with Mr. Crow, who has been engaged to take charge of the mill at that place. During the week a piece of the engine was broken and a part to take its place was sent for. On Saturday Mr. Hard returned to await its arrival and to forward it at once so that the mill may soon be put into operation.

Messrs. N. G. and M. G. Eggen, firm name Eggen Brothers of Fargo, N. D., merchants and farm owners, arrived in the city Saturday night. They are just from Los Angeles, having been taking a vacation from their work. They are owners in the Sunrise property in Bohemia, but did not visit the property, as they are desirous of seeing the Exposition at Portland and get back to their homes. They expect, however, that one or both will visit Bohemia about August and inspect the properties in the district.

General Manager A. B. Wood of the Oregon Securities went up to the mines last week accompanied by the new superintendent, Mr. Archer, who has been employed by the company to take the place of Mr. C. C. Mathews lately resigned. On Saturday Mr. Wood returned bringing with him a report from the first regular clean up of the mill which he states is very satisfactory to the company. Mr. Wood also states: That the west drift on the Champion vein is increasing both in size and value as distance is gained. All work, he says, at the mill and mine is progressing very satisfactorily.

#### ASSAY SHOWS \$116.04

The Uncle Sam group of claims are located a short distance north west of the Vesuvius property in Bohemia and are owned

by George Bohlman, the merchant tailor of Cottage Grove.

Each year he causes as much development work to be done on his claims as he can afford.

The last work was a tunnel following a strong ledge of oxidized or free milling ore and a sample was taken and sent to Denver for assay.

Monday the certificate was received by Bohlman which showed values of 5.70 oz. gold and 3.40 oz. silver, a total value of \$116.04. A large quantity will soon be tested to determine what the values are in the whole ledge.

#### MINING CO-OPERATION

THIS year will be an especially opportune time for bringing mining men of the Pacific Northwest in closer relationship says the Pacific Miner. There has been little co-operation in any common effort yet undertaken by mining interests. State legislation has been secured favorable to the mine-worker and the mine owner, but this has as a rule been achieved through the aggressiveness of a relatively small proportion of the men benefited. When legislation of a broader character has been sought, there has been no unity of mining interests. Congressmen have introduced measures for mineral experimental stations and have sagely discussed location laws, without the advice of a majority of those most vitally interested and best able to guide toward intelligent results.

At the time congress had under deliberation the Philippine mining law, there were very few really informed legislators participating in the debates, and these were more often stimulated by district or local influences than by any expressed sentiment of the great mass of mining men. In the Northwest and in fact on the entire Coast, there is an urgent need of united mining interests. When California secured enactment of the Crampton law to relieve the placer industry from oppression by frenzied agriculturists, the mineowners of that state would have been vastly aided if the congressional delegates of Oregon, Montana, Washington, Idaho, Colorado, Utah and other mining states had been urged by organized bodies of mining men to deal fairly with fellow workers in the southern states.

The opportunity for help is often presented, and seldom seized. In some of the events to be observed this year at Portland it would be a meritorious purpose if a movement were inaugurated for a general mining association of the Northwest, or even of the West. If properly advanced, it would receive hearty

support. This might be attained through an independent movement, or better, through affiliation of state associations. However it is brought about, the end warrants strenuous effort.

#### BOHEMIA MINE OWNERS' ASSOCIATION

THE first regular meeting of this year the Bohemia Mine Owners' Association will be held at the postoffice at Bohemia Monday night, June 12th. All members are requested to be present.

The Leadville (Colo.) Herald-Democrat reads prosperity in the increased number and size of mining newspapers. It says:

"It is a significant fact that there are now in existence more papers devoted to the mining industry than in any prior period. In the daily press as well there is considerable space devoted to the industry, and advertising is also liberally used in the promotion of new enterprises. One is impressed with the fact that the range of mining activity extends over almost every portion of the country, from the latest discovery of copper in Labrador to the placer fields of Lower California, and from the gold fields of Alaska to the silver deposits of Mexico. One can trace in the columns of the mining press the general wave of prosperity. This is shown in increased output, in the sinking of more shafts, in the formation for the exploitation of desirable territory, an increased price for most of the standard metals."

The Oregon Mining Journal calls attention to the mineral displays that will be a feature of the Lewis and Clark exposition and urges the attendance of both operators and workers. The same advice may be offered without hesitation to investors. The Journal says:

"We trust that every mine worker as well as mine operator in Southern Oregon will be able to attend the exposition for two reasons. It will be largely a miners' exposition, and ten days among the mineral displays and in conversation with mining men from other sections will be ten days of education. Again, it will present the best opportunity to supplement our mineral exhibits in advertising this section, by conversing with eastern people and telling them personally just what you know of Southern Oregon's mineral resources."

Mr. J. R. Winings of Decatur, Ill. is in the city. He is looking about the country for a location for a machine and repair shop.

## PERFECTS A CYANIDE PLANT

### Local Inventor Gives His New Machine a Trial with Sixty-Mesh Pulp.

(Oregon Daily Journal.)

A Portland man has completed a novel leaching plant for the extraction of precious metals from ores. It is known as the Garvin cyanide extraction mill, and is the invention of Edward J. Garvin, who has organized the Garvin Cyanide Extraction company to manufacture it. Mr. Garvin has been working on the principle for many months, and recently erected a machine of working size, which he is operating at the laboratory of the Montana Metallurgical Works, 208 Stark street.

There is nothing new in the crushing principle, Mr. Garvin seeking only to attain higher efficiency in agitation of the pulp in solution, more ready extraction and electric precipitation of values from the solution in a practical way. In attaining this he pumps solution and pulp from a discharge point at the bottom of the leaching vat to the top again, which keeps the entire product thoroughly mixed. To avoid the difficulty of slimes or fines coating his cathodes in precipitation, the clearest part of the solution is constantly decanted from the top of the vat and run through the precipitating box, this process continuing while extraction is in progress. When the pulp is first delivered to the vat it runs over a shaking amalgam plate to take up the coarser gold which resists cyanide longer.

Ed C. Morse, metallurgist, tested the pulp and solution in the recent test completed, with results that are highly satisfactory. In the first work grinding was to 60-mesh. The sample taken of this ore before admitting the solution gave \$18.39 gold and \$1.08 silver. A 1 per cent solution was turned on. After three hours agitation a sample of the pulp showed it to carry only \$1.24. A sample taken in six hours showed the pulp to carry but 10 cents, indicating nearly a complete extraction.

Tests of the solution showed that the extraction was more rapid than precipitation. The first solution analysis, made three hours after agitation commenced, showed that it yet carried \$3.36 a ton, in six

hours it carried \$2.68 a ton, in eight hours \$1.24 and in ten hours 30 cents.

To get a large anode surface in the precipitating chamber a series in sheet form is set in close proximity to the cathode. The cathode has been given cylindrical form and is made to revolve slowly, the lower quarter of the periphery passing through amalgam. This has the effect of depositing the metal particles in the amalgam as quickly as they are formed on the cathode, and cleanses the surface of the latter for more ready reception of new precipitates.

The several persons that have viewed the Garvin machine admit frankly that it has a new principle. Agitation is perfect and the finer the grinding the better the machine works. The inventor says that the cost of pumping the solution and pulp will not be material greater than to run a vanner. Students of electrolytic processes admit that the Portland man has overcome one fault that was serious in all previous experiments of this character and expect important developments.

#### The Employee Who "Makes Good."

Seattle Times.

There is a certain class of young men never out of employment because there are "too few" of him to go round. He is a cheerful fellow. Then there is another class, so much in the majority that it becomes a drug on the market, and, consequently, is not desired anywhere. He is the gloomy fellow.

The employee with a cheerful disposition is the one who forges ahead to responsible berths and high-salaried positions. His temperament popularizes him with employers and customers. He is always a worker, performing his duties with eyes on the welfare of the business, not upon the clock and pay day. Such a young man soon becomes indispensable. His advancement is rapid, for an employer will not permit such an assistant to escape him.

The "sombre-faced clerk" is depressing. An atmosphere of chill pervades the store in which he works. Employers and employees are affected by it, and customers feel its influence.

Such clerks cause trade to go elsewhere and business men are forced to retire them before they have impaired the efficiency of other employes and reduced the receipts of the sales to a low ebb.

A cheerful clerk is "a thing of beauty and a joy forever." A sour-faced employee is a mill stone about necks of his fellow workmen and

the business he is hired to increase. He has no usefulness and his dismissal is summary.

Civility of speech brings many rewards.

Business activity destroys pessimism.

Some clerks are afraid to use their brains for fear of exhausting the supply.

A man seldom meets defeat until he is so sure of himself that he quits hustling. Even dignity may be carried to a point of intemperance.

Energy is the deadly foe of mental rust.

Geniality properly distributed enriches the field of friendship.

Pessimism is a drug on the market; optimism always commands a high premium.

#### Election of Officers.

The Woman's Club of Cottage Grove held its annual election of officers at the Commercial Club rooms on Saturday, May 27, 1905.

The following officers were elected: Mrs. Katie Veatch, president; Mrs. Eva Wheeler, vice president; Mrs. Clara Burkholder, recording secretary; Mrs. Olivia Eakin, corresponding secretary; Mrs. Mae Thompson, treasurer.

The history of England in connection with reading from John L. Stoddard's lectures of England, Scotland and London proved to be an instructive and interesting study for the past year. Unusual interest has been manifested and the limit of membership has been enlarged from 18 to 25.

The members feel very grateful to the Commercial Club for the use of their reception rooms for a place of meeting the past year and also for the generous offer they have extended to the Club, the privilege of holding our meetings there the coming year.

CLARA BURKHOLDER, Sec.

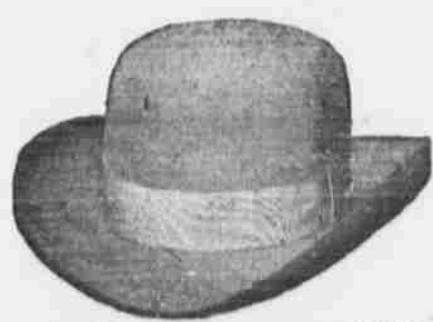
#### "Five Hundred Dollars Reward."

The Southern Pacific Company will pay Five Hundred Dollars reward for information leading to the arrest and conviction of any one of the persons who maliciously placed ties on track at private road crossing two miles east of Aloa, April 2nd 1905.

J. P. O'BRIEN,  
General Superintendent,  
Approved,  
B. A. WORTHINGTON,  
General Manager.

#### A Sensible Move.

Have Tom Awbrey write you up a policy on your home and furniture in the Oregon Fire Relief Association, or your stock of goods in the Etna Insurance Company.



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