

TO DEVISE TREATMENT PROCESS FOR STANDARD

Thousand Pounds of Cobalt Ore Shipped to a Testing Plant in Denver.

A 1,000-pound shipment of ore from the Standard mine, located in the Quartzburg district of Grant county, Oregon, is now en route to a Denver testing plant. According to Professor H. H. Nicholson, consulting engineer of the company, who is here awaiting the shipment, the object is to discover some economical process for treating the ore and concentrating the cobalt it contains.

The Standard ore carries values in cobalt and its associates, nickel, gold, silver and copper. All of the different metals occur in sufficient quantity to prove a source of profit, but the company is especially desirous of producing cobalt from these ores. It is claimed that this is the only mine in the United States from which cobalt can be produced in any quantity, and if a cheap process of separating the cobalt can be found, the Standard can then compete with the mines of Europe in the production of this metal. Cobalt is worth from sixty-five cents to \$2 a pound.

In the Standard ores it runs from two to twenty-five per cent. According to Professor Nicholson the average is about five per cent.

Some of the Standard ore runs as high as \$500 to \$600 in gold, but where cobalt and nickel predominate the values are usually from \$5 to \$6 per ton. The copper runs from two or three to thirty or forty per cent. Silver and nickel also occur in paying quantities.

The Standard property comprises 640 acres and is located about forty miles from Sumpter, Oregon. The property is being opened up by four or five tunnels, the longest of which is in about 800 feet. The workings are about one mile long. The property is crossed by a number of different veins in which the predominating metals vary. A large amount of ore is in sight, one third of which is a good shipping grade. Professor Nicholson says the cobalt veins are large and the company can make quite a large production of this class of ore.—Daily Mining Record.

ALPINE MILL HAS STARTED

The Alpine twenty-stamp mill is completed. The big plant was yesterday formally turned over to Superintendent Dick Addoms by Millwright Steadman, who pronounces the mill one of the most modern, up-to-date and best arranged plants in the Sumpter gold fields. Five of the twenty stamps were immediately started dropping and yesterday another battery was unloosened.

The entire twenty will probably be crushing ore by October 15. Superintendent Addoms has concentrated a big force of miners on the task of blocking out a sufficient ore reserve to insure a continuous run.

Mr. and Mrs. W. L. Vinson came up from Baker City on this morning's train. Mrs. Vinson will visit friends here for a few days, while he left at once for his Thornburg placers, near Granite, accompanied by Al P. Jones, who has charge of the logging operations at the diggings. Two out from Sumpter yesterday to begin the work of hauling logs, in preparation for the installation of the sawmill machinery now at the Sumpter Valley depot, awaiting transportation. This will be undertaken within the next two or three days.

"We intend to rush things," said

Mr. Jones to a Miner reporter this morning. "We expect to cut about 700,000 feet of lumber this fall and begin the immediate construction of a twelve mile flume from the North Fork to the Thornburg diggings. This flume will be four feet wide at the bottom, and when completed next spring will permit of hydraulizing with three giants.

The Thornburg placers were bonded recently by W. L. Vinson, and W. J. Patterson who made a big cash payment. It is learned that a wealthy syndicate of easterners is back of Messrs. Vinson and Patterson.

MUST HURRY WORK ON GRADING CONTRACT

A. W. Ellis, who recently secured a grading contract at the Crane Flat placer diggings, is busy employing men in Sumpter. His grading outfit, consisting of seven teams and a quantity of wheeled scrapers, shovels, plows etc., is en route to the diggings. Mr. Ellis will leave for the scene of operations tomorrow. His contract calls for the excavation of a 500x250x20 feet reservoir, necessitating removal of 2,500,000 yards of gravel, and the work must be completed by October 20.

A. Burch, of Burch & Burbridge, owners of the Crane Flat placers, left last evening for Granite. He has not yet awarded a contract for the transportation of the big dredge, which is now en route from northern Idaho.

The Miner does job printing.

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railroad service, the lowest rates and the best routes. Also as to local conditions in St. Louis: hotels, etc., etc. If you will write the undersigned, stating what information you desire, the same will be promptly furnished. If we do not have it on hand, will secure it for you if possible, and without any expense to you. Address, B. H. TRUMBULL, Commercial Agent, 142 Third St., Portland, Oregon.

Smelter Froze Up Yesterday.

The smelter froze up yesterday afternoon and caused a few hours shut down. Everything is running full blast today, however.

This morning City Councilman Jack Hazlewood looked out of the window of the Hazlewood home and remarked to his wife that the smelter was running again all right. He explained to her that it froze up yesterday.

"Froze!—yesterday!" said Mrs. Hazlewood. "Well, it won't run long this winter, if it froze on such a day as yesterday!"

And then she wondered why Jack guffawed.

Ore From Tabor Fraction.

Ore from the rich Tabor Fraction, on the mother lode, continues to arrive at the Sumpter smelter. Yesterday a six-horse team brought down a wagon load. The higher grade rock is milled at the Columbe, through whose tunnels the mine is reached.



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