

# THE WAY AFRICANS TRANSMIT

General Manager Frank Baillie, of the Columbia mine, returned this morning from Baker City, whither he yesterday escorted a party of Ingersoll-Sargeant Drill company officers, who, since last Tuesday, have been on a visit to the Columbia as Mr. Baillie's guests. The party consisted of W. G. Grace, son of the ex-mayor of New York City, and owner of about 80 per cent of the stock of the Ingersoll-Sargeant company, and S. G. Murray, resident agent of the company at Salt Lake, who has made frequent trips to the Sumpter district. The Columbia mine of one of the heaviest users of Ingersoll-Sargeant drills in Oregon, and is arranging for a doubling of its drill capacity at an early date.

The Columbia recently completed the installation of a mammoth air compressor of the Ingersoll-Sargeant make, operated by water power. Compressed air, under a heavy pressure, will be transmitted a distance of about a half a mile to the mine and mill and will be used to operate all the machinery of which steam is now the motive power. The installation of this system of power transmission is estimated by Manager Baillie to effect a saving of approximately \$8000 per year. Transmission of compressed air for power purposes is a practice extensively in vogue in South Africa, but it is not generally practiced in America. In this country electrical transmission is preferred by a majority of mine operators. The success or failure of the Columbia's experiment will be watched with considerable interest by mining men of this camp.

## GEISER GUIDED BY ADVICE OF THE LATE S. G. WILLIAMS

When the late S. G. Williams, superintendent of the Bonanza mine under the Geiser regime, was with the Gem Consolidated Mining company at Sparta, a few days prior to his death, he was overheard to say to Albert Geiser: "You and I could make the Bonanza pay, couldn't we, Al? We know where there is a big body of low grade ore, sufficient to keep forty stamps busy for five years. Of course, with a heavily capitalized company, and with heavy salaries to officers in the east, the Bonanza company couldn't make this body of ore pay, but you and I, with our knowledge of practical mining, and with a crew of men of our selection could make a snug profit. Why don't you try and lease the mine, Al?"

Mr. Geiser has now leased the Bonanza. He knows all about that big body of low grade ore. Furthermore, it is rumored that he knows where to hunt for a chimney of rich ore, the sort of stuff which, when the big Bonanza mill was being operated day and night, resulted in a monthly yield in gold bullion of about \$40,000. It is announced as Mr. Geiser's intention to take out this chimney

of ore at the very beginning, and then to turn his attention to the low grade ore. He is said to be figuring on a tonnage of 200 tons of ore per day, by coarse crushing, and concentration after amalgamation. The product will be shipped to the Sumpter smelter via the Sumpter Valley railway. The low grade ore in the Bonanza is said to vary in value from \$5 to \$10 per ton, with an average of close to \$8. By treating 200 tons per day, the product will be at the rate of about \$30,000 per month, after deducting the inevitable loss in treatment. The mine expenses are expected to range from \$20,000 to \$28,000 per month.

## THE INDIANA A GREAT COPPER-GOLD PROPERTY

The Baker City correspondent of the Spokesman-Review writes: The latest property to come into prominence in this district is the Indiana, a copper-gold mine. It is in a comparatively new section, so far as development is concerned, about twenty miles northeast of this city in the foothills of the Eagle range, and consists of 13 claims. The showing made during the past winter is attracting the attention of mining men throughout eastern Oregon.

An immense body of ore has been opened up. The vein has been cross-cut over sixty feet without encountering either wall. It is believed that with little sorting this ore will pay to ship to the Sumpter smelter. A trial shipment passed through the city yesterday. A large concentrating plant for the lower grade ore is contemplated by the owners.

The vein can be traced on the surface for two or three miles, and has long been known to exist, but the values were not found until depth was attained. It remained for the owners of the Indiana group to show their faith by delving into the mountain and exposing this vast ore body. The main shaft is now down 265 feet, with drifts and crosscuts from the 100 and 200 foot levels. The principal owners are residents of this city, the Cleaver brothers, J. W. Messner, W. G. Drowley and others.

## CONCENTRATING PLANT FOR CHLORIDE MINE

It is learned from an authoritative source that W. G. Armstrong, ex general manager of the Chloride mine, on Rock Creek, who last week leased the property from its Tennessee owners, has placed orders for a concentrating plant. Chloride ore is of a refractory nature, but it is said that repeated tests of treatment processes has resulted in the selection of a series of jigs for coarse concentration and the shipment of the resultant product to the Sumpter smelter. It is estimated that approximately \$100,000 has been expended in development and purchase of the Chloride mine within the past three years.

### Beautiful Gage Hats.

Mrs. E. L. Sullivan, the Baker City modiste, will display a complete line of spring millinery at Hotel Sumpter for two days, April 3 and 4.

## DRIFTING ON A SUB- LEVEL AT STANDARD

The upraise from Tunnel No. 1 to No. 3, in the Standard mine, at Quartzburg, has broken through and connections are now established, according to the latest reports from Superintendent Heath to the home office of the Killen, Warner, Stewart company in Sumpter. The raise was driven exactly 171 feet to its connection with the upper working tunnel, checking out a foot with the surveys made by Assistant Engineer Keuhn. Superintendent Heath cut a station 85 feet above Tunnel No. 1, and is now drifting both ways in a fine body of copper ore, the highest in percentage of the red metal yet found in the mine. The ore will be shot down to the lower tunnel and banked for future treatment.

## MINING NOTES FROM QUARTZBURG DISTRICT

Any person who has watched the development of the Quartzburg mining camp during the past ten years, is surprised at the change that has taken place during that period. But very few properties were being actively developed ten years ago, while today quite a number of properties have a force of men at work on them, and some of them are being worked at a profit.

The Standard mine has a force of men at work preparing for new machinery soon to be installed. This property is developed with almost 1000 feet of tunnel and has a body of excellent gold-cobalt ore.

The Equity company has had a force of men at work on the Oregon during the winter just past, and are preparing to start their mill again.

The Dixie Mining company, which is managed by Zoeth Houser, has a five-stamp mill in operation, which was recently installed in the smelter building. Their ore is partially free and mills from \$12 to \$15 per ton in free gold and is rich in concentrates.

The Hoodoo group at the forks of Dixie creek is owned by J. D. Combs, of John Day, and S. N. Gallagher, of Quartzburg. They have a ledge three feet in width, from which they obtain ore that assays over \$100 per ton.

W. E. Gifford, who is managing the Present Need for the Morey estate, has opened up a rich ore body, and expects to soon start the steam arrastra that he erected on the property several years ago. The Present Need was at one time one of the best producers in the Quartzburg camp and bids fair to maintain its old reputation.

Geo. Riley and Jeff Forrester are developing the Ophir ledge on Bull Run creek. Ore from this property assays well.

W. A. McNaughton has secured a bond on two quartz properties near Comer. Development on this property shows up an excellent appearing ledge six feet in width.

The Klondike mine, owned by A. W. Ward and W. A. Sexton, is producing ore that assays \$400 per ton gold. They contemplate erecting a mill on this property during the present year. — Blue Mountain Eagle.

Fresh line of Lowney's candles at Ed. Wesberg's; Hotel Sumpter Building.

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