

**NORTH POLE
EXTENSION**

**Active Development Work
Now in Progress on
This Property.**

Manager Seymour Bell was out to the North Pole Extension Mining company's property, in the Cracker Creek district, Monday. On his return to camp he was accompanied by Superintendent Chester A. Pray. They report that the company now has eight men at work, in two shifts, and that development is progressing satisfactorily.

One tunnel has been run in on the vein 300 feet. In that distance it encountered two ore shoots, the first seventy feet long and the second has already been shown to be over 100 feet and the face of the tunnel is still in ore. Average assays from the former show an average value of \$8.80, while the latter carries something over \$11 in gold.

Another tunnel has been started lower down the hill. It is now in 75 feet. The vein will be cut at a distance of 100 feet. A drift will then be driven 300 feet, which will give a vertical depth of 600 feet.

W. H. Tibbals, of Salt Lake, is president of this company, in which Philadelphia and Boston people are stockholders. That prime requisite in the making of a mine, money, the company is said to have in abundance, and this, combined with intelligent management, makes the North Pole Extension as near a "sure thing" as is found in the realm of human affairs. It is reported that this group of claims is one of the two or three in the district that the North Pole people want and have failed thus far to secure. Alexander Baring, who owns a control in the North Pole, while here recently, bought everything on this ledge that was offered for sale.

MILL FOR PADDY CREEK.

McLean Brothers Have Ore Enough in Sight to Justify Its Erection.

Mr. Charles McLean, of McLean Brothers, who for several years have been carrying on mining operations in the Paddy creek section, east of Union, was in the city Friday and Saturday of last week.

Mr. McLean reports prospects excellent for a good camp to develop in that section. The mine that he is interested in is showing up well. They have opened up a ledge of quartz twenty-four inches wide, with a four-inch "horse," that assays well in gold. They have already on the dump one thousand tons of ore that runs \$20 to the ton in gold, and are now ready for a mill.

Usually, prospectors get in a hurry and put in reduction works before their mines are developed, but these people have gone at the business carefully and have shown good business judgment in doing the development work first. Now they know they have work for a mill to a certainty and are negotiating for a plant of thirty tons daily capacity and will install it at the mine as soon as the arrangements can be perfected.

They have an ideal mill site on a hill side running down from the mouth of the tunnel, and will enable the works to be so constructed that none of the ores or products will have to be lifted in their passage through the works, but will simply pass from one level to the next lower until the reduction is perfect and the metal completely extracted.

The plant will be operated by a 200-horse power water station, to be located

on the power site on Little Eagle creek, only a short distance from the mine.

The McLean Brothers are demonstrating that Paddy creek district has both riches and permanency.—Union Republican.

Another Gold Extraction Method.

A press dispatch from Leadville, of recent date says: O. R. Neubarth, one of the oldest citizens in the camp, has been experimenting for six years with a secret process on gold ore, and now claims to have discovered the means of securing the "oil gold." He modestly shows what he can do, and does not seem to realize what his discovery means if it can be put to use on a large scale. Taking ore that with fire assays yields only a trace to the ton, Neubarth gives returns of \$60 to \$175 to the ton. Assays made by local assayers show that Neubarth's buttons from his process are pure gold. His formula is a secret, but his experiments are made with a very simple apparatus, reducing the ore through a forty-mesh screen. It is then mixed with the chemicals and water and subjected to agitation for fifteen minutes to an hour and then allowed to settle, the gold being in solution in the liquid. This liquid is again subjected to chemical treatment and in twenty-four hours fine particles of gold float to the top and are skimmed off, producing powder which heat reduces to the metallic state.

Boiler Scale Assays \$84 in Gold.

Progressiveness in mining is constantly illustrated in a variety of ways, as the columns of this paper weekly attest. Even in weird and wondrous tales of "lost" mines, desert treasure, wood ashes assaying "away up" in gold, etc., there is noted advance and variety in the summer of '02 over the fanciful yarns of previous summers. This week from La Junta, Colorado, comes allegation that the La Junta M. & M. Co. has found that the boiler scale in its boiler assays \$84 to the ton in gold. Granting for ordinary courtesy's sake that the statement bears a semblance of remote possibility, the process does not commend itself to practical metallurgists. Robert McAllister, Colorado's state boiler inspector, is locally given as authority for the mid-summer fantasy.—Mining and Scientific Press.

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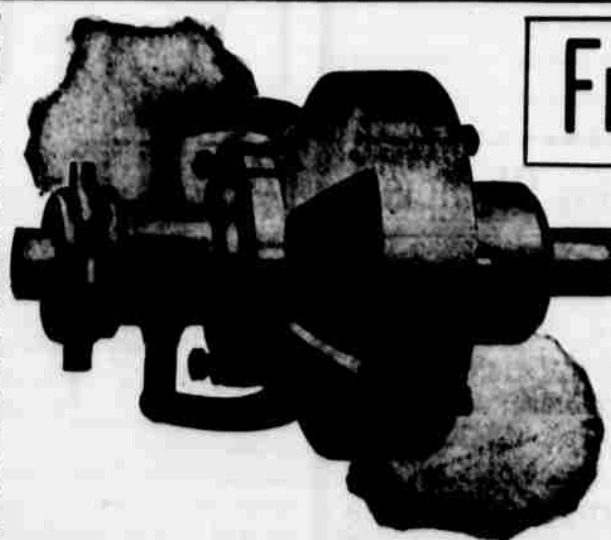
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