

and a shaft of a depth of 365 feet was sunk. At the 50 foot level there is a drift of about 400 feet in length which passes through the hill from the west to the east. This work is all in oxidized ore, and some of the values are exceptionally high. In two or three places samples taken by myself and assayed here in Philadelphia showed from four to five thousand dollars per ton in Gold alone, and there is very little Copper showing. This vein on the Italian claim stands almost perpendicular, with a slight dip towards the one on the Puritan claim, and I anticipate at about the 600 foot level they will be pretty nearly together. There are drifts of from fifty to one hundred feet at the 100 and the 150 foot levels, all showing good oxidized ore of fair quality. An Exhaustive sampling of the ore taken from this working and piled on the surface gave, 18 months ago, a minimum value of \$60.00 per ton in Gold alone, so that at this value if the vein matter averaged 6" in width for 400 feet: from the 100foot level to the surface, taking only 50 feet to compensate for the curve of the surface, there would be approximately \$40,009.00 in this space alone, while at the same time we know that the ore will run any where from \$60.00 to \$4,000.00 per ton and that the seams are all over 6" in width, while the distance is considerably more than 400 feet on this level. Our estimate is therefore extremely conservative. This shaft is fitted with a gasoline hoist and being kept free from water is in shape to resume working at a moment's notice.

When the Italian shaft had reached a depth of 365 feet it was decided to rest the work here and proceed with work on the Puritan or lower claim, and since that time the shaft has been put down to 356 ft. The shaft is made 7' x 9' or 4' x 7' clear of timbers, fully timbered, lined with 1" boards, and completely lagged with both sawed and split lagging. There is at present 557 feet of drift on the 300 foot level. The camp has been improved by new buildings and the installation of three fire hydrants on a pipe line connected with two new gasoline engines which pump water through this line of pipe at a good pressure for fire purposes. An excellent wagon road with very greatly reduced grades has been constructed connecting the camp with the railroad station.

The ore shows in lenses and pipes on the 100 foot level in this work and they are well defined. On the 300 foot level these lenses have increased to four feet in width absolutely proving the unusually rapid