

seen where the rocks have undergone decomposition by agency of air and water, and this serves to guide the miners in their search for the outcrops of the copper ores. Iron pyrites, as usual, is also contained admixed more or less with the copper pyrites, but is not too abundant at this mine.

THE MINE AND ORES RAISED.

At present only a shallow pit, or incipient shaft, 10 feet in diameter and 15 feet deep has been excavated in order to prove the vein.

A belt of copper-bearing slate, with some thin quartz seams also containing copper pyrites, the whole thickness of which is 5 feet 3 inches, has been discovered. This bed dips with the general strata, southeast 40° , and it has been traced to some distance, not less than 500 yards in length, on to another mining property to the southwest, where a pit 4 feet deep has been sunk upon the vein, and is now in process of developing the ore.

Soon as the snow is off from the ground the outcrop of the ore may be easily traced, only a little soil covering the rocks.

At present the mining operations are mere explorations, and a sloping shaft is to follow the ore as it goes down with the strata.

I examined the selected ore stored in the blacksmith's shop on the premises, and found the heap to be three feet square and high, and to contain about 2 per cent. of the metallic copper, as near as I could judge; pieces cobbled clean as they can be for the furnace, I brought to Boston and have assayed the lot and found the yield of copper to be 4.44 per cent.