

SECOND BED.

The second copper-bearing bed, which constitutes the top of a six-foot bed of soapstone, marked (B) in Section No. 2, has not been met with in the adit: and I am inclined to believe it has thinned out before reaching that depth, as its outcrop at surface, at a short distance to the east of Fremont's shaft, also ceases, while it can be traced in a westerly direction for a distance of over two miles.

THIRD BED.

At about twenty fathoms from the extreme end of the adit, after passing through about twelve fathoms of a dark bluish, soft schist, a light gray slate was met with, carrying a little copper pyrites and a considerable amount of chloritoid, and the same kind of ground is now in the end. This last band is irregular in its dip, which is in some places 35 and 40 degrees, and in others 10 to 14 degrees. Some quartz courses have also been met with in it, one of which has been partially explored, and yielded some pieces of copper pyrites, varying from one to three and four pounds in weight, yielding, by assay, about 27 per cent. of pure copper. This mass, from its highly mineralized nature, I regard as of great importance in the future of the undertaking, and likely to carry copper in remunerative quantities, when explored at other points of the property.

The upper interstratified bed was first met with in shaft marked (C), (formerly called grass shaft No. 2,) at a depth of 90 feet from surface. It has since been met with in Kent's shaft, marked (II), which is distant from the former about 170 fathoms, and at a depth from surface of about 20 fathoms. It has also been intersected by a cross-cut from the same shaft, at a depth of 30 fathoms, and followed in the direction of its dip from the 20 fathoms to the 30 fathoms level, a distance of over 20 fathoms on the incline: and we are now following it to the rise of the shaft, as well as on its course east and west, from the 20 and 30 fathoms levels. The distances at present driven in the latter levels is over 40 fathoms, and in the former 28 fathoms.

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