

veins at the outset can be worked with the least expense. No. 3 vein will require a longer adit, which may run towards the shaft along the course of the vein. Perhaps the brook upon the property will be hardly sufficient for the washing of the ores. But there are other streams in the vicinity at no great distances, which are large enough for the purpose.

#### CONCLUSIONS.

1st. There are certainly four veins of copper upon the property, belonging to the cupriferous portion of the Quebec Group of the Lower Silurian Formation.

2d. Two of these veins contain lime, with mundie, thus forming an ore of easily smelting properties,—a fact of the greatest consequence in mining operations.

3d. All the veins can be drained by cheaply excavated adits; and perhaps in some instances a drift can be run in on the course of the vein.

4th. The property is advantageously situated, with respect to proximity to a railroad and smelting works.

5th. Its central location among other mines may afford some advantages in the working not enjoyed were it isolated.

6th. It is in a region where labor is cheap, and the cost of living not expensive.

Respectfully,

Your obedient servant,

C. H. HITCHCOCK,

*Geologist to the State of Maine*

HATLEY, CANADA EAST, Feb. 24, 1864.