

the copper ore distributed throughout the mass of this limestone, a vein of contact, twelve to eighteen inches in thickness between the slate and limestone is cut by this shaft. This vein produces large pieces or prills of solid copper ore, associated with magnetic iron pyrites, which in these rocks is universally considered a favorable indication for copper mining.

The other dolomitic band, forty rods to the east, is also cupriferous, and although not yet explored, there is reason to believe that it will prove, at least, equally important with the former. It is penetrated in many places by a rock which seems to be analogous to the greenstone of Acton, which is by many regarded as an intrusive rock, and at Acton Mine is invariably accompanied by rich deposits of copper at the junction between it and the limestone and slate. There is reason to believe that both bands of limestone are connected, and that the intervening slate overlies in a trough of the limestone, in which case there will be an immense and rich deposit of copper ore throughout this width, and extending the whole length of the lot, at the junction of the two rocks. In addition to the rich display of yellow ore developed in the limestone, vitreous copper ore has been found in certain bands of the slate rock traversing this property. Little work has as yet been done to prove the quality of these cupriferous belts; but judging from the experience obtained in sinking on similar veins in other parts of the same rock formation, there is every reason to believe that these will prove productive and profitable. I have the authority of Dr. R. P. Stevens, of New York, a very competent mining geologist, who has visited this property, for stating that the same band of silicious limestone which traverses this property has been traced at various and distant points all the way to Virginia, and had produced good mines of copper, lead, and iron. Dr. S. was remarkably well pleased with the indications on your property. My opinion is, that there is less of a speculative and uncertain character about this mine than any other that I have yet inspected in Canada, and that with prudent and economical management, it cannot fail to pay, and even to yield returns almost from the commencement of working. There is undoubtedly ample encouragement to proceed to more extensive operations with a view to its further development. This mining location is situated in a well-settled county, having abundant accom-