

in the opposite direction to that of the rocks. These facts prove conclusively that they are *true* or *fissure veins* cutting the rocks, transversely and obviously resulting from deep-seated and powerful dislocations and disturbances. Hence there can be no doubt that they will prove persistent in depth and indefinite extent. These veins appear to be quite numerous and important upon your property. On this Lot, quite near the road, two parallel veins of Galena and Baryta have been found cutting micaceous and hornblende schist. These directions, north-west and south-east, which seem to be the normal direction of the group of metalliferous veins in this district. These veins, at surface, appear to be about ten inches in thickness, cutting the rocks perpendicularly, and are about 100 feet apart; one of them, the most easterly, has been traced for a very considerable distance, but had not been tested in depth any extent at the time of my visit. An adit, or tunnel, had been commenced upon its course, from the low ground at the north side of the Lot, and many very good stones of ore obtained. This work will prove the vein to the depth of 40 or 50 feet, and from present appearances the prospect is highly encouraging. The rock is soft, and will be mined at a very trifling expense. Numerous indications of other Lead veins occur on other parts of your property, but no data are as yet afforded for ascertaining their value. Baryta is an article of considerable commercial value, and especially in conjunction with the Lead, with which it is usually associated, may probably be found to be economically available, and thus to enhance the value of your property.

In view of the recent remarkable discoveries of the precious metals in the Laurentian rocks in the Township of Madoc, it is not unreasonable to expect similar results on your property, which appears to be in the same Geological position, and under similar mineral conditions—the proved existence of metalliferous veins on the spot, and the reported actual discovery of Gold in the neighbourhood, render this anticipation more probable, and the search in this direction more justifiable. I regret, from circumstances already mentioned, that I am precluded from making a report of a more positive and definite character than the present, which may be regarded as only preliminary. I may remark, in conclusion, that from the strength and persistency of the veins, the congenial character of the rocks, the extraordinary show of ore at the surface, and the reasonable prospect that the veins will be found thicker and richer as they are traced in depth, I consider this property to be of great prospective value, and well worthy of further development.

I have the honor to be,

Gentlemen, your most obed't Servant,

CHARLES ROBB, *Mining Engineer.*

P. S.—I omitted to mention in the proper place, that abundance of water, for washing ores, &c., is to be found near the property.—C. R.

PETERBORO' Jan. 6, 1868.