## The Canadian Monetary Limes

AND INSURANCE CHRONICLE.

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## Mines.

OFFICIAL REPORT ON THE MADOC REGION .-We are not aware that the following report by Mr. Michel, of the Provincial Geological Survey, ever appeared in the newspaper press. We find it in the Official Report of the Commissioner of Crown Lands for 1866. It is rather old, but we find that Mr. Michel's anticipations have been established by more recent tests:-

crystalline hornblende, rich in gold, were shown me, and others of steatite penetrated by gold, but I saw none of these in place, nor was I per-mitted to make, or cause to be made, the requi-site examinations.

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One of the new purchasers of the mine, who undertook to show it to me, lying upon his back at the bottom of the pit, and introducing part of his Eody into the crevice, was able by stretching out his arm, to extract with difficulty, three small pinches of the black matter, which he gave me. This weighing 282 grains, yielded me nineteen grains of gold, worth 76 cents. I was also permitted to gather from the bottom of the pit about two pounds of earthy material, mixed with debris of the rocks. Of this matter, which shewed none of the black carbonaceous substance, and traces only of the earthy oxyd of iron, one-and-a-half pounds, gave me, by pulverizing and washing, twenty-four grains weight of gold, worth 96c. Having taken care to examine the little fragments of rock, before pulverizing, I found among them several morsels of bitter-spar, associated with hornblende, and rich in visible gold. I moreover caused to be broken from the geissic rock, of the excavation, about a dozen pounds, taken from three different places. One of these, weighing about twenty-eight ounces, and supposed to have been taken from near the crevices gave me one grain weight of gold, by a mechanical assay, but the remaining eight pounds did not yield a trace. The most striking peculiarity in this deposit is the association with the earthy oxyd of iron, of a carbonaceous matter, in both of which the gold is disseminated. For the rest, the occurrence of gold in earth oxyd of iron is a fact frequently observed in South America, and elsewhere, as I have myself observed, and as is described by Burat, who refers these oxyds to the decomposition of pyrites, from which they are, no doubt, often derived. In the present case, however, the oxyd would seem to come from the decomposition of the ferriferous spar, as in the case signalized by Dr. Hunt in his Report of last year on the gold from fiftee serior of the serior recent testimates and the serior recent serior testimates and the serior recent serior recent serior recent serior recent serior report in your the results of an accordance to the serior of the serior serior which it had grant the serior to the serior of the serior to the serior of the serior to the serior of the serior to the serior to the serior testimates and the serior serior testimates and the serior serior serior testimates and the serior seri

filled up the pit with logs of wood and stones, so that, as they said, no one should go down into the mine until they had been paid for it.

It appears evident that Mr. Richardson and his associates, guided probably by the counsels of persons of more experience than themselves, entertain doubts as to the continued richness of the crevice, a question which must rest in doubt until farther explorations shall have been made. Burat remarks, with regard to veins, that they are subject to a great many accidents and variations of form; they swell out, contract, and are sometimes entirely cut off, for a time. It often happens, moreover, that veins, earthy or decayed in parts, are found in other portions of their course, less decomposed, or altogether un changed. These considerations appear sufficient to show the uncertainty which exists as to the continuity in depth of the vein in question.