

copper ore per month, that would yield 24 per cent. of pure copper; the cost would be in raising, pulverising, and washing, £7 per ton for ore of 24 per cent.; and calculating the ore to be worth £17 per ton, it would leave clear profit, £10 per ton at the mine.

I can say no more of what quantity there is to be depended on than I have already said, which is, "that in all probability it would be a great deal." I can say, if it only holds as it is, that with thirty stamp heads, and calculating the ore of 24 per cent. to be worth £17 per ton, there would be no difficulty in making £900 per month profit.

I should get the engine made on the principal of the steam-boat engine, with hauling and drawing engine on one side, stamping mill and fixtures for blast cylinders on the other; for creating wind for a blast furnace, should it be found more profitable to smelt the copper ore on the mine than to export it, producing 24 per cent. There is an abundance of wood on our location for making charcoal, and that of the very best quality, (birch). As it is now impossible for the Company to erect the machinery until next summer, I would immediately reduce the working force of the mine to six men, to be kept sinking on the main land, as at Spar Island; the quantity of copper ore to be made ready for the market is not dependant on the number of hands, but on the power of machinery.

Questions proposed to Capt. John Tregoning by the Directors of the British North American Mining Company, respecting their Mine at Prince's Harbour, Lake Superior, with his Answers thereto.

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 Montreal, 26th June, 1849.

Question 1.—What is your candid and unbiassed opinion of the Mine at Prince's Harbour, belonging to this Company, after working it for the last nine months,—both as regards silver and copper?