

(From the Montreal "Daily Witness.")

IMPORTANT EXPERIMENT WITH CANADIAN ORES.—It has been known for a year or more that an extensive deposit of specular iron ore exists on the Haycock Property, in the Townships of Hull and Templeton, opposite Ottawa. Some few days since a quantity of these ores was at the Siemens furnaces, of the Nashua Steel and Iron Company, Nashua N. H., smelted with charcoal in crucibles, direct into ingots, one operation serving for the whole. Last week one of these ingots was at the Moisie Iron Works, in this City, heated in the usual way, and without the use of the steam hammer, rolled direct into bars of different sizes. The ingot on fracture showed a very fine steel-like grain; the bars, however, on being broken, had in every way the appearance of the very finest Sheffield steel. Experiments were then made with the bars. Cold chisels of splendid quality were made from them, and under the hammer the bars were readily drawn out without flaw. These bars were produced, it will be noticed, in two operations—a most important result, since, as is well known, in order to make ordinary cast steel, the metal must undergo various expensive processes. Some of these bars are on view at the office of Drummond, Cassels & Co.

THE ESTIMATED AMOUNT OF ORE.

(See Dr. Chapman's Letter of Nov., 1873.)

TORONTO, November 14th, 1873.

EDWARD HAYCOCK, Esq., Ottawa.

DEAR SIR,

As the drawing up and printing of my reports on your iron location, (embodying the result arrived at by a second and more complete examination of the ground) may occupy ten or fifteen days, I send you in the interim, my estimate of the amount of readily available ore upon the property.

With regard to this estimate, certain points have to be observed, namely:—

(1.) The estimate embraces the central portion of the property, only,—the indications of ore, (and these are numerous) on the more southern and northern portions of the location not having been as yet thoroughly traced out. To do this properly would require an expenditure of two or three hundred dollars, and would have no useful purpose, as the immense amount of ore in the central portion of the property is sufficient to yield for very many years all the output that could by any possibility be required.

(2.) The estimate is to be considered strictly as a *minimum estimate*. In view of the large amount of ore upon the property, I have been anxious to keep free from all suspicion of exaggeration, my estimate might therefore be greatly increased, and still be within the truth, as it takes the bands of ore merely at their surface strength; and most of these bands, if not all will probably be found to widen more or less in descending.