

THE PROPOSED ZINC REDUCTION PLANT
on ILE PERROT.

A Report to the Montreal Board of Trade
by Dr. Alfred Stansfield.

Introduction.

Statements have appeared in the press to the effect that the Consolidated Mining and Smelting Company of Canada is considering the construction of a zinc reduction plant on Ile Perrot, and has secured land for this purpose. It is known also that the Canadian Pacific Railway Company has applied to Parliament for authority to construct a branch line to Windmill Point on Ile Perrot, this line being apparently intended to serve the proposed zinc plant.

The intention is, no doubt, to produce zinc by an electrolytic process, like the process in use at Trail, B.C., Great Falls, Montana, and elsewhere. In this process "zinc concentrate", that is, a concentrated or enriched zinc ore consisting mostly of sulphide of zinc, is roasted for the purpose of driving off the sulphur. The roasted ore is treated with sulphuric acid yielding a solution of sulphate of zinc. This is electrolysed, producing pure metallic zinc which is melted and cast into ingots or slabs.