

and Onondaga—contain magnesia in varying percentages up to the highest amount possible for a limestone, as distinguished from magnesite.

Limestones carrying a high percentage of calcium carbonate are a necessity in an important group of industries which have already been started in the province, and are sure to reach large dimensions in the future. Having no domestic coal, some of our metallurgical industries, especially in the north, will be dependent to a considerable extent on charcoal, in the manufacture of an important by-product of which a pure limestone is a necessity. In beet sugar manufacture pure lime is also an essential. Portland cement manufacture requires limestone free from magnesia and certain impurities. In the manufacture of calcium carbide, an industry which is peculiarly adapted to this country, and as a flux for furnaces, a pure limestone is also desirable. In the manufacture of sulphite pulp, on the other hand, a rock as high in magnesia as it is possible to obtain it is the most suitable. The fact that such rock is to be found here is important when we consider the field there for the manufacture of pulp in the province.

In many other industries lime or limestone is essential, and our supply of this rock, of all kinds, is of greater economic importance than most people probably realize.

CONCLUSION.

That we should be optimistic of the future is shown by what has been accomplished in the mineral industry during the last decade. I shall conclude this paper by giving a comparative table, which speaks for itself, of our mineral production ten years ago and at the present time.

ONTARIO'S MINERAL PRODUCTION.

A RECORD OF TEN YEARS.

	1893	1903
Iron Ore .....	None	\$ 450,000
Pig Iron .....	do	1,401,606
Steel .....	do	304,580
Corundum .....	do	87,600