

having recently leased the Bessemer iron mine at Bessemer, Hastings County. Helen ore also is used here. The daily output of the furnace is about 140 tons.

The Deseronto Iron Company uses imported Lake Superior ores and local magnetite and hematites.

At the plant of the Atikokan Iron Company exclusively Canadian ore, mined at the Company's own mines near Port Arthur, is used.

Coke is imported from the United States for all these plants except in the case of the Atikokan Iron Company, who make their own coke from imported coal.

DIMENSIONS OF BLAST FURNACES OPERATED IN ONTARIO.

	HEIGHT OF STACK.	DIAM. OF BOSH.	DIAM. OF HEARTH.
Algoma Steel Co., No. 1.....	70 ft.	17 ft.	11 ft.
No. 2.....	80 ft.	17 ft.	10 ft. 8 in.
Hamilton Steel & Iron Co., Furnace A.	80 ft.	16 ft.	
Furnace B.	80 ft.	20 ft.	
Canada Iron Furnace Co.....	65 ft.	13 ft.	
Deseronto Iron Co.		10 ft. 6 in.	
Atikokan Iron Co.	74 ft. 3 in.	14 ft.	

That the iron and steel industries of Ontario will expand is certain. Modern methods of magnetic cobbing and concentration will render many known deposits of iron ore amenable to treatment. Large belts of iron-bearing territory are yet unprospected. In fact the principal need of the province is systematic exploitation of discovered ore-bodies and equally systematic prospecting of new territory.

GOLD.

The existence of gold-bearing veins in different parts of Ontario was known 40 years ago. After the gold excitement in Hastings County in the early seventies, the Gatling mine was worked for some years, and has been operated intermittently since then. The district lying between Port Arthur and the Manitoba boundary was later the scene of several considerable discoveries, the first of which was made on Hay Island, in the Lake of the Woods. Early in 1899 this western region became the centre of much activity. Numerous discoveries of gold-bearing ores were also made in the Michipicoten district, north-east of Lake Superior.

It would be impossible here to do more than mention the general development of the gold-mining industry. But, ten years ago, Ontario gold-mining loomed large in the public eye.

In the western districts nearly all the gold-ores are free milling; but in the Hastings areas, to the east, while free-milling ores are encountered, the ore are usually heavily impregnated with arsenical, iron, and copper pyrites.

The gold-bearing veins of Ontario are usually of moderate width although some large ore bodies have been opened up. At present gold-mining is more active than it has been for some years. In the earlier days difficult transpor-