IRON

No work of importance was done in the iron mines of the province, except at the Scott mine in Hull, which will be more fully referred to further on. Some prospecting was done in Pontiac, but it was not followed up by any serious works, probably owing to the high rate of transportation. On the North Shore of the Gulf of St. Lawrence, the magnetic sands have been further investigated and prospected; but nothing has been yet done with them. It is, however, probable that in a near future these deposits will be worked, experiments having shown that they can be separetly mechanically from the titanium, the presence of which has been thus far one the chief obstacles to the use of these sands, which, once prepared, yield about 70 per cent of metallic iron.

The following analyses have been supplied by Mr. R. T. Hopper, of Montreal. They refer to the black sand of Natashquan, concentrated by a special electo-magnetic machine which he controls. It will be remarked that the proportion of titanium is reduced to a very interesting minimum. The two first analyses were made by Mr. J. T. Donald, of Montreal, No 3 in the United States and No 4 in Glasgow.

	1	2	3	4
Metallic iron	70.31	70.94	69.780	69.68
Silicia	.68	.22	.321	.0
Sulphur	.014	.025	.011	.021
Phosphorus	.043	.050	.015	.005
Titanium	.370	.420	.860	.0

The following analyses of the concentrated sand of Moisic made by Professor Stillman, of the Stevens Institute, Hoboken, N. J. has also been communicated to us :

Oxide of iron	96.67
Phosphorus	0.03
Sulphur	traces
Manganese	0.33
Titanium	0.00
Insoluble matter, Silicates of Alumina	2.88
Undetermined	0.09
	100.00

Equivalent to 70.01 of metallic iron.