

QUEBEC.

THE HAYCOCK IRON LOCATION.

Situate about nine miles from the City of Ottawa, and six and a-quarter miles from the navigable water of the Gatineau, a branch of the Ottawa River, and the Quebec, Montreal, Ottawa and Occidental Railway, in the 11th range of Hull and 6th of Templeton, is a mine of specular hematite ore of great purity, owned by the Ottawa Iron and Steel Manufacturing Company. Dr. E. J. Chapman, professor of mineralogy and geology, reports the extent to be enough to last for ages. He gives, in a portion of the property, the width of veins as 70 feet; length, 3,500 feet, and depth of 200 feet; contents over six millions of British tons; the strata dips at an angle of 45° to 50°. His analyses are as follow:—

	Prof. Chapman.			Griswold & Co., per Wendell.	Blodget, Britten.	Cambria Works	E. Riley, F.C.S.	Harrington.
	1	2	3					
Peroxide or sesquioxide of iron	89.80	88.08	85.45	87.40	55.93	.....	89.04	.....
Protoxide of iron.....	7.06	6.86	5.24	3.93	10.09	.....	7.92	.....
Titanic acid.....	2.34	3.17	2.12	3.41	3.84	.....	.....	.....
Protoxide of manganese.....	Trace.	0.55	0.41	0.37	.....	.....	.....	.....
Magnesia.....	0.22	0.13	0.17	0.47	0.08	.....	0.40	.....
Lime.....	Trace.	0.55	0.41	0.66	0.13	.....	0.56	.....
Phosphoric acid.....	Trace.	0.16	0.13	0.25	0.14	.....	0.21	0.34
Sulphur.....	Trace.	0.03	0.07	0.10	0.02	.....	0.04	0.37
Graphite.....	0.43	0.35	0.28	.....	.....	.....	.....	.....
Insular rock matter.....	0.11	0.26	5.77	.....	1.09	.....	.....	.....
Oxygen with iron.....	.....	.....	.....	.....	26.85	.....	.....	.....
Alumina.....	.....	.....	.....	1.67	0.49	.....	0.32	.....
Silica.....	.....	.....	.....	2.10	1.34	.....	1.77	.....
Totals.....	99.96	100.14	100.05	100.34	100.00	.....	100.26	.....
Metallic iron.....	68.34	66.98	63.88	64.24	66.02	66.00	68.49	61.45
as=.....	.....	66.40	.....	.....	.....	.....	.....	.....
Phosphorus.....	.....	.....	.....	0.10	0.06	.....	0.093	.....

There are four most complete Catalan forges erected. The Company propose to erect one or more blast furnaces, a rolling-mill and foundry, and enter into the manufacture of iron bridges, &c.

THE FORSYTH AND BALDWIN MINES.

Are situate about half-a-mile apart on lot 11 in the 7th range of Hull, about six miles from Ottawa; the ore is a mixture of hematite and "red ore," not being a black ore is not essentially a magnetite. A blast furnace, now out of order, is situated on the navigable water of the Gatineau River. The thickness of the ore bed is in some places 60 feet, yielding 60 to 62 per cent. of iron. The analysis of Dr. Hunt gives peroxide of iron 62.20; protoxide, 17.78; oxide of manganese, traces; lime, 1.85; magnesia, 0.18; phosphorus, 0.15; sulphur, 0.28; carbonic acid, 1.17; silica, 11.11; graphite, 0.71. Capacity of furnace, 13 tons.