

already referred to, and they have been considered to belong to a second ore-range, lying to the south of the specular. From this point, surface-signs of specular ore mark the passage of the vein for about three miles, to an opening made by Mr. Watson on a vein of specular ore 7 feet wide. A few yards from this is a bed of a dark-colored magnetic ore, about 18 inches wide; but no details are known as to its extent and value.

The specular vein has been traced about four miles further to the east, and shafts have been sunk on it at several points. On the Weaver property, enough work has been done to show that the vein is about 100 feet wide, and carries several bodies of specular ore from 1 to 15 feet thick. About one-half a mile east of the Weaver property, where the vein begins to skirt the river-valley, it appears to be associated with limonite. The vein has not yet been searched for in the wooded district lying east of the river.

This vein is, strictly speaking, a stratum-vein, and maintains a course very closely agreeing with that of the slates, and a nearly vertical dip. During a great part of its course, as sketched above, it runs on elevated ground, which would facilitate mining. There are indications of a similar parallel vein lying further to the south, but hitherto it has not received attention. The alternation of specular and limonite ores in these veins has also been observed at Londonderry, Colchester County, where the earlier workings at several points yielded considerable quantities of the former ore, while at greater depths limonite alone is found.

The ore is compact and foliated, and its quality is shown by the following analyses :

COMPOSITION.	Specular Ore.			Limonite.
	I. Weaver.	II. Weaver.	III. Watson.	IV. Drug Brook.
Iron oxides,	92.01	97.52	93.80	81.902
Manganese oxide,	2.16	.....	.....	.068
Alumina, . . . . .	.21	.....	.....	1.019
Lime carbonate,	1.27	.....	.....	.313
Magnesia carbonate, . . . . .	.43	.....	.....	.052
Phosphoric acid, . . . . .	.08	.....	trace.	.....
Phosphorus, . . . . .	.....	none.	.....	.431
Sulphur, . . . . .	.16	trace.	.68	.046
Titanic acid,	trace.	.....	.....	.....
Silica,	3.68	3.20	3.40	6.350
Moisture,	9.462
Metallie iron,	64.41	68.33	65.60	57.718

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