

ANALYSIS OF THE SPECULAR ORE.

Protoxide of Iron.....	0.89
Peroxide of Iron.....	96.63
Sulphide of Iron.....	0.06
Phosphorus.....	none.
Silica and Insoluble Matter.....	3.20
	100.78

Per-centage of Metallic Iron = 68.33.

This is an exceedingly rich ore, consisting almost entirely of pure oxide of iron. It is capable of yielding iron of the finest quality.

ANALYSIS OF THE LIMONITE ORE.

Peroxide of Iron.....	93.09
Manganese Oxide.....	1.10
Ferrous Sulphide.....	0.04
Phosphorus.....	none.
Lime.....	0.91
Insoluble Matter.....	4.80
	99.94

This is one of the finest Iron ores. It yields 65.2 per cent. of metal. It should afford iron of great purity.

(Signed,) T. E. THORPE, F.R.S.E.,

Professor of Chemistry.

ANALYSIS OF LIMESTONE, made at Newcastle, England, by order of S. B. Coxon, Esq., F.G.S., one of the proprietors