

ANALYSES OF FOUR SAMPLES OF PICTOU IRON ORE,
made at the Works of Messrs. Vickers, Sons & Co., Sheffield,
by request of Mr. E. L. S. Benzon, of the firm of Naylor,
Benzon & Co.

No. 1—LIMONITE ORE.

Peroxide of Iron	== 81.19 per cent == 56.83 PURE IRON.
Moisture	== 13.60 " "
Lime	== .63 " "
Oxide of Manganese	== .20 " "
Phosphoric Acid	== .15 " "
Sulphur	Traces.
Insoluble Residue	== 4.26 " "

No. 2—SPATHIC IRON ORE.

Carbonate of Iron	== 82.11 per cent. == 39.64 PURE IRON.
" " Manganese	== 4.70 " "
" " Lime	== 2.37 " "
" " Magnesia	== 9.06 " "
Sulphur	== .10 " "
Phosphorus	None.
Insoluble Residue	== 1.69 " "

No. 3—HEMATITE ORE.

Pure Iron	== 45.47 per cent.
Manganese	None.
Lime	== 3.03 " "
Sulphur	None.
Phosphoric Acid	== .20 " "
Insoluble Residue	== 25.82 " "

ANALYSIS INCOMPLETE.

No. 4—SPECULAR IRON ORE.

Pure Iron	== 61.06 per cent.
Phosphorus	None.
Sulphur	Traces.

ANALYSIS INCOMPLETE.

J. H. HUXLEY,
School of Mines,
LONDON.

al Field, see
m.

96.26
2.33
.57
.55
.10
.02
.03
1.99
.17