The following is the result of the Analysis of this Coal as made by Dr. John Torrey, *in the Laboratory of the Manhattan Gas-Light Company:*

COKING COAL OF THE ACADIA COAL COMPANY,

From Cyrus W. Field, Nova Scotia.

One ton—2 240 pounds—yielded 9,500 feet of 13.03 candle gas and 42 bushels coke, weighing 1,640 pounds.

The coke is good It contains rather much ash, and makes some clinker; but it burns very well, keeping up a good, strong fire

The coal seems to deserve a trial on a larger scale, as it is very readily carbonized, yielding a good volume of gas and coke.

ANALYSIS OF THE COAL.

Volatile matter.	32.0
Fixed carbon	59.3
Ash	8.7
	100.0

Manhattan Gas Works, Feb. 9, 1865.

OIL OBTAINED FROM THE OIL COAL.

Portland, *Feb.* 13, 1865.

Cyrus W. Field, Esq

Dear Sir—I have got through with the Fraser Coal. In making the crude oil, it yields—after taking out the water, which is about 12 per cent.—50 gallons to the ton, of good crude oil; that, I think, will finish more than 40 gallons of refined product to the ton—at least 38 gallons.

To work this coal in the retorts that we work, would be an expensive way; if you would be willing to spend from 6 to 800 dollars to put one of Atwood's pipes to work it, and then send here about 16 tons of each kind of coal you have there, we could decide intelligently upon the best way of working all the coal you have into refined oil.

Yours truly,

F. MACDONALD.