

North or No. 3 Slope—North Seam :

Moisture .....	2.71
Volatile combustible matter.....	28.41
Fixed Carbon .....	64.69
Ash .....	4.19
	100.00
Sulphur .....	.79

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These analyses show the coals to be of excellent quality. The amounts of ash and sulphur are small, and that of the fixed carbon is large.

These analyses are interesting when compared with a set of analyses of the same seams made by me in the year 1881, and I believe not hitherto published, and with an analysis of the Black seam made by me in the year 1880, and published in the Transactions of the North of England Institute of Mining Engineers, in a paper on Canadian Coals, giving a full set of analyses of Nova Scotia coals, their ashes, etc.

The analyses made in the year 1881 are as follows:—

East Slope—Black or Main Seam :

Moisture .....	3.86
Volatile Combustible Matter, Fast Coking..	35.65
“ “ “ Slow “ ..	26.46
Fixed Carbon .....	Fast “ .. 59.90
“ “ .....	Slow “ .. 65.23
Ash .....	4.45
Specific Gravity .....	1.29
Theoretical Evaporative Power.....	8.858 lbs.

West Slope—South Seam:—

Moisture .....	1.399
Volatile Combustible Matter, Fast Coking.	34.808
“ “ “ Slow “ ..	31.225
Fixed Carbon .....	Fast “ .. 58.003
“ “ .....	Slow “ .. 61.586
Ash .....	5.790
Sulphur .....	.808
Theoretical Evaporative Power..	8.46 lbs.