

		No. 1.	No. 2.	No. 3.
Full Coal 3' 2" ?	Moisture .....	1.750	1.550	} Thinned out.
	Volatile combustible.....	25.875	27.988	
	Fixed carbon .....	61.950	60.837	
	Ash .....	10.425	9.625	
Top Bench 3' 9" ?	Moisture .....	1.500	1.500	2.3
	Volatile combustible.....	24.800	28.613	22.7
	Fixed carbon.....	51.428	61.087	62.0
	Ash .....	22.272	8.800	13.1
Bottom Bench 5' 0" ?	Moisture .....	2.250	1.800	2.5
	Volatile combustible.....	22.375	27.075	22.7
	Fixed carbon.....	52.475	59.950	58.8
	Ash .....	22.900	11.175	16.0

The composition of the untouched lower part of the seam in the Bye pit is apparently as follows :

Volatile combustible matter.....	25.8 to 30.4
Fixed carbon.....	54.8 to 67.4
Ash from .....	8.7 to 23.3

as condensed from a number of analyses.

The following analysis by the writer, from a paper on the composition of Canadian Coals, of the upper portion of the Main seam, as worked at the Forest pit, shows its improvement in quality toward the dip :

Moisture .....	1.05
Volatile combustible matter.....	26.19
Fixed carbon.....	63.41
Ash .....	9.35

The same rule appears to hold good in the case of the lower portion of the seam ; as in the Foord pit district the ash in the lower part is stated by the present agent of the lessees, to be eleven per cent against an average of about sixteen per cent nearer the ontcrop. The coal of the Deep seam was very similar to the upper portion of the Main seam but had a slightly greater percentage of ash.

As to the coal contents of the Main seam forming the scene of the operations more specially noted, the writer has been unable to procure exact figures of the tonnage of coal extracted, as the returns at the dis-