

The slack which forms about one-fifth of the coal mined is suitable for blacksmiths' work, and has been used to a small extent for coke making.

HARBOUR SEAM (Stirling Pit).—This coal is also worked by the Little Glace Bay Co. The coal is laminated, with a pitchy lustre, some of the laminae being dull and heavy; much mineral charcoal on the deposition planes; little visible pyrites. Primary planes at right angles to deposition planes, with films of white carbonate of lime and iron. Secondary planes inclined irregularly to primary, and to deposition planes at angles of 60 to 65 degrees without films of spar.

SECTION.							Ft. in.	
Coal, coarse	...	...	...	...	...	...	3	
" good	...	...	...	...	...	...	1 6	
" soft	...	...	...	...	...	...	1	
" good	...	...	...	...	...	...	3 4	
Total							5 2	
COMPOSITION.							Slow Coking.	Fast Coking.
Moisture	...	...	...	...	...	...	80	80
Volatile combustible matter	...	...	...	...	...	...	27.85	29.40
Fixed carbon	...	...	...	...	...	...	67.05	65.50
Ashes	...	...	...	...	...	...	43.0	43.0
							100.00	100.00
Theoretical evaporative power	...	...	...	...	...	...	9.19	8.98
Injurious sulphur	...	...	...	...	...	...	2.327	—
Specific gravity	...	...	...	...	...	...	1.29	—

Coke vesicular, hard, and bright; ash very light red; powder of coal deep chocolate red.

At one point in the workings of this seam the pit water contains an unusual quantity of the sulphate of iron.

The following are the gas values of this coal as determined during the present year :—

MONTREAL NEW CITY GAS COMPANY.		HALIFAX GAS COMPANY.	
Gas, cubic feet per ton	9,268	Gas, cubic feet per ton	9,700
Candle power	15.00	Candle power	14.75
Coke (good) bushels	40	Coke (very good) bushels	39

The coals from the Hub and Harbour Seams were tested some years ago at Halifax, on behalf of the Admiralty, by the chief engineer of the flagship, "Duncan." He reported that they both light up quickly, raise steam fast, and give a very moderate amount of clinker and ash. The Hub Seam gave 80.9, and the Harbour 83.5 per cent. of carbon, and that they are well adapted for use in Her Majesty's Navy.

BLOCK HOUSE SEAM.—Coal tolerably compact, with bright laminae, a few being brown and shaley; no calc-spar films or visible pyrites;