Moisture	1.53
Volatile combustible matter	20.16
Fixed carbon	47.49
Ash	30.82
	100.00

At other points the coal is reported by Mr. Fletcher as yielding an inconsiderable amount of ash. Another outcrop of coal in this district is interesting, as it presents in the Lower Carboniferous conglomerate the evidences of an origin identical with that of the more important seams of the productive measures. It yielded:

Volatile combustible matter	17.80
Fixed carbon	29.04
Ash	53.16

About eight miles from Baddeck, at Hunter's Mountain, is an outcrop of coal similar in composition and mode of occurrence to that just mentioned. The coal is irregular, varying in thickness from a few inches to two feet. It is divided by numerous cleavage planes, sometimes coated with galena.

At East Bay, in the marine limestones and marls, pockets occur holding calc and fluor spar and patches of bright cubical coal yielding on analysis:

Volatile matter	36.72
Fixed carbon	46.64
Ash	16.64
	100.00

For comparison with the seams of coal of economic value the following analysis of coal from a fossil carbonized tree in millstone grit measures in the same district may prove interesting:

Volatile matter	34.9
Fixed carbon	59.9
Ash	5.2
	100.0

Coke firm and vesicular.

Some years ago a good deal of interest was aroused by a state-