

The seams which lie beneath the above, and outcrop upon the property, will not probably be found of any great account, at least until the stronger seams come to be worked out in the course of years ; but the comparatively large seam of five feet or more in thickness which crops out just beyond the south-westerly limit of the Collins area, and passes entirely under the property, must contain nearly five and a half millions of tons, or strictly 5,445,000 tons. This seam is probably identical with a five feet seam which strikes the shore of Sydney-Harbour a few chains north of the North Bar.

3. **Quality of the Coal.**—The coal from the above seams is an ordinary bituminous coal of quality. The only samples at present obtainable are merely outcrop samples, but these show good results on analysis, and it may be fairly concluded, therefore, that when the seams are worked at lower depths a very superior coal will be produced. The sample from the Edwards seam, submitted to analysis, was taken from the bottom of one of the trial pits sunk close to the outcrop ; and the sample from the Collins seam I collected from the end of an old level or slope which has been driven upon the seam to a length of about 100 yards to connect with a shaft sunk to a depth of seventy feet at some distance east of the outcrop of the seam. Whilst in this slope I examined the sides and pillars every here and there with a lamp for the detection of pyrites. I saw very little. The coal from trial pits on the Edwards seam (one of which is down about twenty feet) appears also to be very free from pyrites. Both of these coals burn with a long flame, and yield a semi-fused agglutinated coke, amounting to between sixty three and sixty-four per cent. of weight of the air dried coal. The following are the results of my analyses :

	(1) From the Edwards seam sp. gr. 1.268	(2) From the Collins seam sp. gr. 1.268
Moisture	1.82	1.65
Volatile combustible matter.....	34.94	35.12
Fixed carbon.....	56.97	57.19
Sulphur.....		Trace
Ash.....	6.27	6.06
	<hr/> 100.00	<hr/> 100.00