

are other large tracts of coal-land yet undeveloped. The operations of the former are entirely submarine. Two shafts were sunk to the Sydney six feet seam, close to the mouth of Sydney harbour, and protected from the salt water by iron tubing. The workings are quite dry, and about one-third of the coal is taken out by the pillar-and-stoop method, and brought to the shaft by a system of tail-rope haulage. The output last year was 208,131 tons.

The Dominion Company are working seven mines, the deepest being about 600 feet, reached by a slope in a seam dipping at an angle of 35 degs. The methods of working are capable of improvement, as much coal is left. At present mechanical cutters, Ingersoll, Harrison, and Jeffrey's (electrical), are being introduced. Mechanical ventilation is being substituted for furnaces, and little difficulty is experienced in ventilation, as gas is not given off in dangerous amounts. The output of the mines of this company was 762,583 tons in 1893, and will be largely increased this season.

There are large tracts of coal-bearing land at River Inhabitants, Port Hood, Mabou, Broad Cove, and Margaree in the island of Cape Breton, but hitherto they have received little attention.

In Nova Scotia proper, coal-seams are known at Pomquet, Hallowell, Stewiacke, Debert, and other points, but developments have been effected only in the Springhill and Pictou districts. In the latter place there are two companies operating, the Intercolonial and the Acadia. The output last year of the former was 208,098 tons, and of the latter 244,769 tons. The seams in the Pictou district occur as a long narrow synclinal about 12 miles in length and 4 miles in greatest width, having dips up to 40 degs.

The following section shows the relative position of the principal seams :—

Seams.	Strata and Coal.	
	Ft.	In.
Main seam	84	7
Strata	143	0
Deep seam	22	11
Strata	106	0
Third seam	5	7
Strata	113	0
Purvis seam	3	6
Strata	130	0
Fleming seam	3	3
Strata	4	3
McGregor seam	12	0
Strata	211	0
Stellar seam	5	0
Strata	15	0
Seam A	11	0
Strata	187	6
Seam C	10	0