

varying at the surface from 50 to 80 feet, with crossing basins constructed at approximate intervals of half a mile.

The works on the eastern end of the canal at Greece's Point comprising the construction of two locks about a quarter of a mile apart are under contract to Messrs. Heney, Nicholson, Stewart, and Strachan. Work on the lower lock has been commenced, and a small portion of the intervening reach has been excavated.

(App. 9, page 147.)

TABLE showing the dimensions of the locks on the present canals in the Montreal, Ottawa and Kingston line of navigation; also the size of the largest vessels which they will admit.

Name of Canal.	Dimensions of Locks.			Dimensions of Vessels.			
	Length.	Breadth.	Depth of water.	Length.	Breadth.	Draught of water when loaded.	Tonnage.
Carillon and Grenville...	128	31½	5½	110	28	5	100
Rideau	134	32	5	110	31½	4½	250

CULBUTE LOCKS AND DAMS.

Number of Locks.....	2
Dimension of Locks.....	200 × 45
“ “	240 × 45
Total rise, or lockage.....	18 to 20 feet.
Depth of water on sills.....	6 feet.
Aggregate length of dams.....	625 feet.

From the Grenville canal, up the River Ottawa to the city of Ottawa, a distance of about 58 miles there is a smooth course of navigation. Beyond the city for a distance of 107 miles, to L'Islet or Culbute, continuous navigation is rendered impracticable owing to the presence of the following rapids:—The Chaudière; the Duchêne; the Chats; the Chenaux (or “the Snows”); the Portage du Fort; and the Grand Calumet.

The Culbute works, situated at L'Islet, surmount the Culbute and L'Islet rapids on the north channel of the Ottawa.

These works comprise two locks and three continuous dams, all built of wood. The dams reduce the rapids to smooth water, enabling the river to be navigated from the head of the locks to Des Joachim, a distance of 37 miles above.

Navigation was stopped on the 20th November, 1879; and recommenced on the 15th April, 1880.