

*Provincial Canals.*

It appears desirable, before embarking in any expenditure, to increase the efficiency of the provincial canals, that the dimensions of the locks, and the draught of water proper for this navigation should be carefully considered and decided on; and that being done, that surveys and estimates should be made for the enlargement of the Welland and St. Lawrence Canals to that scale.

The following are dimensions proposed for the locks by different gentlemen:—

Length.	Breadth.	Depth of water.	
225 feet.	40 feet.	12 feet.	Page 144.
235 "	36 "	11 "	" 147.
250 "	45 "	12 "	" 137, proposed for Ottawa Canal.

*Canal from Montreal to the Georgian Bay, by way of the Ottawa River,  
Lake Nipissing, and the French River.*

The distance from the mouth of the French River to Montreal, by the route surveyed, is 431 miles, of which 352 miles is already a good navigation, requiring no improvement. Page 32.

Of the other 79 miles 29 will require to be canal navigation, and the remaining may be improved, so as to connect the whole with a first class navigation drawing 12 feet of water.

The estimated cost of this canal, exclusive of deepening the Lachine Canal and Lake St. Louis, apart from land damages and expenses, is \$12,000,000 or £2,400,000 sterling. The route would effect a saving in distance between Chicago and Montreal over the existing one by the Welland Canal of 343 miles, but with an increased lockage of 15 locks, and an additional rise and fall of 170 feet.

The lake navigation of the existing route is 1,145 miles in extent, and the inland river is 134, when by the Ottawa, the former is 575 miles, and the latter 401.