The following tabular statement shows the names, length and lockage of the St. Lawrence Canals :—

ST. LAWRENCE CANALS—STATEMENT OF THE LENGTH, LOCKAGE, &c.

	Lachine Canal.	*Beauharnois Canal.*	*Cornwall Canal.*	*Farran's Point Canal.*	*Rapide Plat Canal.*	*Galops Canal.*
Length of Canal..	8½ stat. miles	11¼ stat. miles	11½ stat. miles	¾ mile	4 miles	7⅝ miles
Number of Locks	5	9	7	1	2	3
Dimensions of "	200 x 45 feet	200 x 45 feet	200 x 55 feet	200 x 45 ft.	200 x 45 ft.	200 x 45 ft.
Total rise of Lockage	44¾ feet	82½ feet	48 feet	4 feet	11½ feet	15¾ feet
Depth of water on Sills........	at 2 L'ks 16 ft. at 3 L'ks 9 ft.	9 feet	9 feet	9 feet	9 feet	9 feet
Breadth of Canal at bottom.......	80 feet	80 feet	100 feet	50 feet	50 feet	50 feet
Breadth of Canal at water's surface	120 feet	120 feet	150 feet	90 feet	90 feet	90 feet

WELLAND CANAL.

MAIN LINE, FROM LAKE ONTARIO TO LAKE ERIE.

Length of canal........ 27 miles and 1,099 ft.
Pairs of guard gates..... 3
Number of lift-locks.... 27
Dimensions of locks .. { 2 locks of 200 feet x 45 feet ; 24 " 150 " x 26½ " ; 1 " 230 " x 45 " }
Total rise of lockage ....330 "
Depth of water on sills.. 10¼ "

WELLAND RIVER BRANCHES.

Length of canal—Port Robinson
  Cut to Welland River.... 2,622 feet
  " from Welland Canal to Welland River, *via* lock at aqueduct .... 300 "
  " Chippewa Cut to Niagara River................... 1,020 "
Number of locks—1 at aqueduct and 1 at Port Robinson .. 2
Dimensions of locks........... 150 ft. x 26½
Total lockage, from Welland Canal down to Welland River...................... 17 feet
Depth of water on sills .... 9 ft. 10 in.

GRAND RIVER FEEDER.

Length of Canal............... 21 miles
Number of locks............. 2
Dimensions of locks.......... { 1 of 150 x 26½ ; 1 of 200 x 45 }
Total rise of lockage.......... 7 to 8 feet
Depth of water on sills .... 10¼ feet

PORT MAITLAND BRANCH.

Length of canal................ 1¾ miles
Number of locks 1
Dimensions of lock .... 185 x 45 feet
Total rise of lockage........... 8½ feet
Depth of water on sills......... 11 "

It was hoped that the works in progress to improve the Welland Canal, to make the bottom width of the summit level 50 feet instead of 26 feet, would have been so far advanced as to have allowed Erie water finding its way into the canal in the summer of 1870; these anticipations were not realized in consequence of extensive earth slides.

TABLE showing the sizes of the smallest Locks on the Canals of the St. Lawrence line of navigation, also the dimensions of the largest vessel that can pass through them.

Name of Canal.	Dimensions of Locks in feet.			Dimensions of Vessels in feet.			
	Length.	*Breadth.*	*Depth of water on sill.*	*Length.*	*Breadth.*	*Draught of water when loaded.*	*Tonnage of Vessels.*
St. Lawrence Canals	200	45	9	186	44¾	9	600
Welland Canal...	150	26½	10¼	112½	26¼	10	400
Sault Ste. Marie Canal	} 350	{ 70 top 61 bottom }	} 12	......	......	......	2000

BURLINGTON BAY CANAL.

Length of canal...................... ½ mile
No locks on this canal.
Average breadth between piers .... 138 feet
Narrowest......................... 103 "
  Navigable for vessels drawing ten feet of water.

TUG SERVICE.

There is a Tug Service between Montreal and Kingston, on the St. Lawrence, for which the Government pays an annual subsidy of $12,000, the contractor undertaking to tow vessels at certain fixed rates, and to provide not less than nine tugs for the service. In

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