

depression in the iron industry and to improved facilities offered by the American Sault Ste. Marie canal.

The Rideau canal route [systems (3) and (4) above], comprising the canals on the Ottawa river, besides those between Ottawa and Kingston, was placed in operation to provide a safer route, for both military and civil purposes, than the St. Lawrence offered. Between the completion of the Rideau canal in 1834 and the completion of the Grand Trunk railway between Montreal and Toronto, it was regularly used by tens of thousands of immigrants *en route* to Upper Canada.

The Trent canal, a partially completed route between Trenton, on lake Ontario, and Georgian bay, by way of Rice lake, the city of Peterborough and town of Lindsay and lake Simcoe, is as yet of little importance as a traffic route. The abundant power available at many points is, however, of great value to the Ontario Hydro-Electric Power Commission. At Peterborough the canal is equipped with the largest lift-lock in the world.

The St. Peter's canal, constructed between the years 1912 and 1917, connects the Bras d'Or lakes with St. Peter's bay on the southeast coast of Cape Breton island. It consists of a tidal lock 300 feet in length and 48 feet in breadth, and provides for a minimum depth of 18 feet of water on the lock sills.

Projected Canals.—Of the proposed canal schemes, the Georgian Bay route and the deepening of the St. Lawrence waterways are the most prominent. The former, first travelled by Champlain in 1615, from Montreal along the Ottawa and French rivers to Georgian bay, has been strongly advocated on numerous occasions. Its great cost, however, and the loss of time in locking, present serious drawbacks to the undertaking. The construction of the proposed deep waterway along the St. Lawrence from lake Ontario to the sea, for purposes of navigation and power development, has been deferred for the present, after consideration by the Governments of Canada and the United States.

39.—Canals of Canada, Length and Lock Dimensions, 1922.

Name.	Location.	Length in Miles.	Locks.			
			No.	Minimum dimensions.		
				Length.	Width.	Depth.
			Ft.	Ft.	Ft.	
St. Lawrence and Great Lakes— Lachine.....	Montreal to Lachine.....	8-50	5	270	45	14
Soulanges.....	Cascades Point to Coteau Landing...	14-00	5	280	45	15
Cornwall.....	Cornwall to Dickinson's Landing....	11-00	6	270	45	14
Farran's Point.....	Farran's Point rapid.....	1-25	1	800	50	14
Rapide Plat.....	Rapide Plat to Morrisburg.....	3-67	2	270	45	14
Galops.....	Iroquois to Cardinal.....	7-33	3	270	45	14
Murray.....	Bay of Quinte to lake Ontario.....	5-17	0	-	-	12
Welland.....	Port Dalhousie, lake Ontario to Port Colborne, lake Erie.....	26-75	26	270	44	14
Sault Ste. Marie.....	St. Mary's rapids, 47 miles west of lake Huron.....	1-41	1	900	60	19-5