

(First enlargement of Welland begun in 1841, and completed in 1850. Second enlargement begun in 1873, completed in 1883 to 12 feet, and in 1887 to 14 feet.)

(f) Sault Ste. Marie Canal, begun in 1887, opened 1895.

Connections of the St. Lawrence system :—

Burlington Bay Canal,	begun in 1825,	completed in 1832.
St. Clair Channel	“ 1855	“ 1871.
Murray Bay Canal	“ 1882	opened in 1889.
Trent River Navigation	“ 1837	

### 2. Ottawa River Canal System.

(a) St. Anne's Lock, begun in 1840, completed in 1843.

(b) Carillon Canal “ 1826 “ 1833,  
enlarged in 1871-82.

(c) Chute à Blondeau, begun in 1826, completed in 1832.

(The construction of the Carillon Dam has rendered this unnecessary.)

(d) Grenville Canal, begun in 1819, completed in 1833,  
enlarged in 1871-82.

(e) Culbute Locks and Dam, begun in 1873, completed 1876.

### 3. Rideau River Canal System.

This system might be called more properly the Rideau and Catarauqui Navigation, for it consists in the conversion of the two rivers into one continuous navigable channel. The work was begun September, 1826, and on the 29th May, 1832, the works being completed, the Steamer “Plumper” passed through from Bytown to Kingston.

### 4. Richelieu and Lake Champlain System.

St. Ours Lock, begun in 1844, opened in 1849.

Chambly Canal “ 1831 “ 1843.

5. St. Peter's Canal “ 1854, completed in 1869.

(St. Peter's enlarged 1875-81.)

1041. The history of canal building in Canada dates back beyond the present century. The early canals were miniature, toy-like affairs compared with those now in use. The first canals were constructed to overcome the Cedar, Cascades and Coteau rapids. The locks were of cut stone and had a breadth of 6 feet and a depth of  $2\frac{1}{2}$  feet on the sills, and were designed for the passage of boats carrying thirty barrels of flour. These canals were begun in 1779 and finished in 1781. They were enlarged in 1804 and in 1817, and were abandoned in 1845. A canal to overcome the Sault Ste. Marie rapids was begun in 1797 and was used by the North-west Company to take up loaded canoes. It had locks.

The Dominion is well supplied with natural means of intercommunication. But in many cases, owing to the formation, there are rapids rendering navigation difficult for any size vessels and impossible for good-sized