

From St. Anne's Lock to the foot of the Carillon Canal, there is a navigable stretch of twenty-seven miles, though the Lake of Two Mountains and the River Ottawa.

The Canal was closed on the 24th November 1879, and opened on the 29th April, 1880. General works of repair and maintenance have been executed.

#### NEWWORKS.

The new works consist of a dam across the River Ottawa  $\frac{3}{4}$  of a mile above the village of Carillon, also a canal of  $\frac{3}{4}$  of a mile long with two locks 200 feet by 45 feet, with 9 feet of water on the sills.

As stated in last year's report, this work, having been commenced in 1873 under one contract with Messrs. R. P. Cooke & Co., was assumed by the Government in 1878. Subsequently, in 1879, contracts for the completion of the work were awarded, as follows:—the contract for the canal and locks to Messrs. Cooke & Co.; that for the dam and slide to Messrs. McNamee & Co.

The dam, 1800 feet in length, is under construction across the rapids at Carillon, its object being the creation, through the holding back of the waters of the Ottawa, of a stretch of smooth water between Carillon and Greece's Point, at the foot of the Grenville Canal, a distance of  $5\frac{3}{4}$  miles.

At ordinary stages of the river, the difference between the level at the head of the Carillon Canal and the foot of the Grenville Canal, at Greece's Point, is about  $12\frac{1}{2}$  feet.

At present, intermediate rapids between Carillon and Grenville form an obstacle to navigation. On the completion of the new works the lock at Chute à Blondeau by which these rapids are surmounted will be no longer required.

Owing to the great volume of water to be contended with, the works at the dam can only be carried on at low stages of the river.

The contract calls for the completion of the work by the end of 1881: 1400 feet are already built.

The works embrace the construction of a timber slide 300 feet from the shore, 640 feet long and 26 feet wide, having stop logs to regulate the water level in the slide.

#### CANAL AND LOCK.

The embankment, forming an approach to the canal from the river, has been built, for its full length, up to the level of ordinary high water, and the walls of the upper lock have been carried up to within 12 feet of their proper level. The other works are in progress. (App. 9, page, 147)