A dam built of truss work 253'0' in length, 7'6" in height and 33'0" breadth of base. A saw-log slide 60' 0" in length and 33'6" wide.

Guide booms and piers.

A three stick guide boom 813'0"x3'6."

A single stick boom 660'0"x1'2."

Piers seven in number.

A lock house 24'0"x32'0" built of cut stone masonry.

These works were for a number of years unused until 1866, when the Marmora Iron Mines commenced to be worked, and thereby a new traffic was opened up, the iron ore having to be conveyed through the canal.

Whitlaw's Rapids.

After passing through the canal at "Crooks Rapids" we proceed up the Trent Rice Lake, and River Otonabee, a distance of 40 miles, when we reach "Whitlaw's Rapids" one mile below the town of Peterborough, (see accompanying map of navigable waters in Newcastle District.)

The works erected here consist of a canal 726' 0" in length, and 40' 0" wide.

A lock 133' 9" x 33' 0" between quoins, built of first-class masonry, lift 6' 6" and 4' 0" water on lower sill.

A wing dam of truss work 323' 6" in length, 12' 6" high and 27' 0" breadth of base extending up stream, and connected with a cross dam 32' 0" in length, 9' 0" high and 20' 0" broad at base.

A slide 25' 6" x 29' 0".

Waste weir, 23' 0" x 31' 0".

Guide booms, 200' 0" x 2' 4".

Piers 3, in number, each 12' 0" x 12' 0".

A stone house, 21' 0" x 12' 0".

By means of this lock, steamboats surmount the Rapids, and pass up to the town of Peterborough.

Little Lake.

On this lake, which is one-half mile above Whitlaw's Rapids, there are three piers, each 30' 0" x 25' 0, and one pier 15' 0" x 10' 0', and a single stick chain boom 1050' 0" in length; this boom is used as a retaining boom for logs previous to running through the rapids; it is a great protection to the works at Whitlaw's Rapids, inasmuch as it prevents the ice, which is formed on Little Lake, from descending on the works in one solid mass.

Lakefield.

The work here consisting of a dam 198' 0" in length and 7' 0" high.

A slide 25' 0" in length and 30' 0" wide, have this year been assumed by the Government of the Dominion.

The dam maintains navigation up to Young's Lock, a distance of eight miles.

Buckhorn.

This station is situated at the foot of Buckhorn Lake, and the works consist of—

A dam of truss work 387' 0" in length, 5' 0" in height, and 25' 0" broad at base;

A dam of stone 173' 0" long and 6' 0" high;

A slide 95' 0" in length and 33' 0" wide, with piers and single guide booms. The length of boom is 600' 0".

This dam is the means of retaining the water on Buckhorn, Chemong and Pigeon Lakes, up to Bobcaygean Lock, at a required depth.

The navigation of those lakes is free from any obstruction, and the traffic is yearly increasing, as will be seen by the Lock-master's Reports.