

which, it is to be supposed, will in time be almost exclusively employed in transporting the productions of the Upper Countries, that the Directors deem it right, notwithstanding this apparent inconvenience, to call the attention of the Sctockholders to the subject, while the progress made in the Locks is not yet such as to increase greatly the difficulty of the alteration. To make the suggestion the more intelligible, it is to be observed, that Steam-boats entering the Canal from the Welland, would, from the large scale on which it is made, have no difficulty to encounter in passing through the Deep Cut and along the Canal to the 1st Lock, from whence, in the course of 4 miles and 32 chains, including the descent of the Mountain, there will occur 32 Locks of 100 feet in length and 22 in width, demensions too small to admit of Steam-boats; and this distance of 4 miles and 32 chains, so long as these 32 Locks remain of these small dimensions, will constitute the only interruption to the passage of a Steam-boat from the one Lake to the other, and indeed from Lake Huron to Prescott. on the St. Lawrence.

From the foot of this chain of Locks to Lake Ontario, there are indeed three other Locks; but the Directors have thought it advisable to construct these of such a width as to admit Steam-boats, which will therefore have no difficulty in ascending the Canal to the Village of St. Catharines, a distance of 5 miles. Throughout the greater part of this distance, such is the peculiar make of the banks along the 12-mile-Creek, that the navigation will rather resemble, in some places, a basin, and in others, a large river, than a Canal. The additional cost of constructing these Locks on the enlarged scale, is about £125 each Lock, an expence which, it is believed, will be amply compensated by the increase of tonnage on the Steam-boats, and by the convenience they will afford to navigation.

The dimensions of the Canal, with the exception of the Deep Cut, are as follows: 26 feet on the bottom, with slopes of 2 to 1 up to the towing path; and a breadth of 56 feet on the water line. These dimensions are sufficient for vessels of 22 feet beam to pass each other, and none of larger size can enter the Locks. The ordinary depth of water will be 8 feet.

For the progress of the intervening sections of the Canal, which present no particular feature, the Directors refer to Mr. Thomas's Report. It will be seen by it that the distance of 4 miles and 61 chains from the harbor at the 12-mile-Creek up-

war
rat
cons
and
it ca
duri

In
Eng
said,
Jam
work
also
are i
are l
to do
it, al
and
prese
have

Re
from
704 c
yards
mason
month
by M
remain
445 y
for th
the ha

Th
in the
part o
of the
grubb

Mar
yet the
yards,
be don
there
comple