were taken by the province of Canada to enlarge the Welland
(the wooden locks of which were falling into decay) and the
Lachine, and to complete the remainder of the St. Lawrence
canals, only one of which—the Cornwall—had been commenced
by Upper Canada before the Union. The 40 wooden locks on
the Welland were, by increasing the lifts, replaced by 27 stone
ones, each 150 feet long by 26½ feet wide in chambers, with 9
feet of water on the mitre sill, and the canal was completed
upon this scale in 1846. The first enlargement of the Welland
was contemporaneous with the completion of the St. Lawrence
system, which had been commenced at Cornwall in 1834. The
Lachine Canal was a barge canal, used in connection with the
military canals of the Ottawa and Rideau route, and the
Welland a ship canal connecting Lakes Erie and Ontario. Be-
tween these there existed on the St. Lawrence no advance in
heavy freight transportation over that of the bateau or Durham
boat of 1804. Great improvement in passenger transportation
had been made by the introduction of steamers on Lake St. Louis
and Lake St. Francis (reaches of the St. Lawrence) and on the
river above the Long Sault ; and by their connection by portage
roads on which stages were established ; but all the heavy freight
was sent by the Ottawa and Rideau route to Kingston.

UNITED CANADA.

The St. Lawrence Canals.—The Cornwall Canal was com-
menced by Upper Canada in 1834, suspended by the Rebellion
of 1837, and not resumed until after the reunion, when it was
completed in 1843. Its lock dimensions were a great advance
upon the old Lachine or upon the new Welland, being 200 feet
long by 55 feet wide in the chambers, and the depth of water 9
feet. These dimensions appear to have been adopted to pass
the short side-wheel steamers required for quick turning in
running the rapids. There was no enlargement of this canal
previous to the confederation of the British North American
provinces in 1867, because no greater dimensions were estab-
lished by the province of Canada in 1841 for the remainder