•	Estimate No. 1, 8 feet Canal.						E	Estimate No. 2, 4 feet Canal.					
	No. ' abic		£	s. d.	£	s d.	No	Ra	te!	s. d.	1		d.
From the nead of Mille Roche to Cornwall	Vards.	1	<u>''</u>				Yard	S.	$d \mid \sim$	7. 4.	1		a.
Buy, a distance of 5 miles and 22 chains, we	R	1	1		ļ		1	_1	1				
entirely abandon the river, it is therefore pro-	į.		l		1		.∦	-	j				
posed to construct a permanent waste weir a-			- (1		#	1	1		l		
cross the stream and raise the water 13 feet	ĺ	1	1		1		il	- (-		i		
perpendicularly, the situation being very suita-			-		- 1		}	ł	1		į		
de for that purpose, by this means we gain a	i				1		1		i		i		
epih of 4 feet witer in Brownell's Bay, and	i	}			- {		#	1	1		i		
ave the expence of deepening the natural bed		i	1		ł			1	1		}		
Il the way down except a little at Moulinette,	į	1	1		- {		1	1	;		}		
nd by raising the water 18 feet at Mille Roche,	ľ	1	ļ		1		li	!	1		ì		
e also avoid the expence of 13 feet in the			1		1		ļį	į	1		ì		
epth of excavation, the whole distance to	f	1	1		}		11	1	1		1		
ornwall; besides it will guard the canal against		1			.!		! [1		?		
uctuations in the river and conduct all the sur-			1				}}	1			- (
us water down the natural channel which		1	1		1		<u>}</u> }	1	{		1		
eing at command will be eminently useful for		}	1		1		<u> </u>	į	1		\$		
draulic purposes. In the first 2 miles the		1	1		ļ		1	1	}		1		
iting seems considerably above our level		}	1		i			1			1		
he nature of the excavation in the first nale		}	1				11	1			1		,
loam and clay mixed, with loose stones; the	,		1		1		II .	1	1		1		
cond mile is chief's clay. Thence the cutting			ł		1			1	ì		ĺ		
favourable, except about 20 chains near the			ł		1			1	1		1		
rminition where the line crosses a high stoney			1				li		1		1		
dge. Three embankments will be necessary			į		1		11	1	1		1		
the above distance. A little under water					1		{ }	1	1		j		
cavation will be required in the Bay for a	- (1		- { }	1	1		}		
stance of 2 chains, averaging 3 feet cut			İ		1		ll .	1	į		1		
og across a bar directly opposite the en-	- 1						ll .	1	1		}		•
once of the canal Four locks will be	1				1		#	í	{		Ĭ		
quired, No. 8, 9, 10 & 11, in the 8 feet &	1						} }	1	1		1		
9, 10, 11 & 12 in the 4 feet canal, the	}				Ì		H	}	}		1		
is being each 7 feet 6 inches. Seven road &	}				1		1	1			Í		
tow path bridges, will also be required	-	ļ			1		11	1	}		1		
		}					1'				1		•
Do. in Cornwall Bay	51389			-	}		33-168	9	13431	60	1		
Foshinling	141	5		10 (1		Harr.				}		
Puddling	34144	10		13 4	1		3414.	,		13 4	l		
Locks Nos. 8, 9, 10 & 11 in estimate No. 1	7108	6	179		1		6661	6	100	14 0	I		
Locks Nos. 9, 10, 11 & 12 in estimate No. 2		- 1	11200	0 0	Ì		łi		C104		1		,
Waste Weir	- 1	- 1			}		1	1	6124		l		
Seven road bridges	1	- 1	1000		1		} }		1000		į		
I'wo tow path do		- 1	1190	00	1		1)	!	490		ĺ		
Grubbing	1	- 1			1		})		99	0 0	!		
Cocing	1	1	s0	0 0			1)	1	70	0 0	0000		
	}	1	500	0 0	57167	C 7]]		500	0.0	2000;	5 13	3 4
Total,	ł	- }					1≀ 1	1					

It will be seen by reference to the preceding Estimates that have calculated the expense of constructing canals upon two different scales.

The first or largest to cost £176,378 \$ 5, and the other £92, 34 1 11 1 2. Thus it appears that a safe and permanent line of navigation down the River St. Lawrence to Cornwall for vessels capable of navigating the lakes may be effected at an expense absolutely trifling when compared with the many advantages to be derived from an improvement of this nature.

The above sum- are considered sufficient to complete the work, yet we are aware that in an undertaking like this, unforeseen obstacles often present themselves in the progress of the work, and being generally of a contingent nature, it is impossible to ascertain or calculate them actually by the most minute surveys.

A question will naturally arise that will admit of some discussion, as to which of the above scales it would be most expedient to adopt, but upon due reflection upon the comparative advantages and the local situation of the country, we feel decidedly in favor of the largest, being designed both for steam-boat navigation and schooner navigation. One inducement for giving a preference to this so ie, as one of primary importance, is the advantages that would accrue to the trade of the Western Districts from the practicability of passing through the canal with such vessels as are suitable to the navigation of the upper lakes. By making it of corresponding dimensions with the Welland Canal, already so far advanced toward completion, it would, in connexion with that work, not only facilitate and expedite transportation, but save a vast expense and inconvenience in breaking bulk and transferring cargoes from one kind of vessel to another, subjecting goods to injury already too frequently experienced by the existing mode of transportation.

We must express our regret, however, that having not been authorised to extend our survey beyond the boundary line of this Province, we are not enabled to give a full and satisfactory statement of the practicability and probable expense for effecting a safe pavigation throughout, without which, the principal object of our enterprise will be but in part attained.

We feel sai guine, nevertheless, that upon proper representation, Lower Canada will come forward with alacrity to unite with us in support of an improvement enhancing their own commercial interests equally with ours. Of this they are no doubt sensible, and will therefore be more ready to co-operate in an undertaking which, without their aid and concurrence, can never be fully accomplished. The Cedar Rapid and Cascades, although serious obstructions in the present navigation, offer (as we are informed) great facilities for improvement.

Then by making the necessary alterations in the Lachine Canal we should open a direct and uninterrupted navigation from one extremity of the Provinces to the other, and might cheerfully inticipate the time, as not far distant, when vessels of burden would be enabled to pass and repass from Quebec to the most western settlements of this Province.

In taking a nearer view of the objects of this contemplated improvement in the navigation we would be leave to suggest the great propriety of making a canal for steamboat navigation, for by steamboats we anticipate the greater part of our trade will eventually be carried on. Safety and expedition in the transit of goods being two essential requisites in commercial economy.

Stramboats will therefore always have a decided advantage—besides after passing through the canal at the several rapids, they will seek their way up the channel of the river without any interruption, requiring neither towing path nor any other extra expense to assist them on their passage up. Whereas sloops and schooners depending entirely on canvas must in case of contrary winds or calm weather be unavoidably detained or depend upon towing.

In the case a towing path and bridges would require to be constructed upon the banks, the whole course of the river. A channel would also have to be cut through shouls in many places of great length, and after all an insurmountable difficulty would present itself upon their arrival at Kingston, and cause delays provided they are destined for the Upper settlements.

The same objection as it respects the formation of a towing path, bridges and cutting a channel along the shore is also applicable, to boate though in a less degree.