

ABSTRACT

ESTIMATE OF THE EXPENSE OF A SLOOP NAVIGATION, FROM THE RIVER
 WELLAND TO LAKE ONTARIO, BY THE TWELVE MILE BASIN.

	CUBIC YARDS.			
Cutting the Summit Level,	- - 523,678	at 18 cents.	\$94,262	04 cents
	263,918	20 do.	52,789	60
	135,447	25 do.	33,861	75
	45,149	30 do.	13,544	70
	968,222		\$194,458	09
		Yds.		
Retaining Walls, 6946 X 3 $\frac{1}{3}$		at 10d. per Yd	13,892	
			\$208,350	90
		£	52,087	10 7
Locks 32 in number, composed of Rubble stone, size 90 feet within the Chamber, 120 feet between extremities of every wall, and 18 feet in width, £1796 each,			57,472	0 0
Amount of cutting and embanking 407,528 Cubic Yards, at 6d.			10,188	4 0
Grubbing, and clearing channel of stones,			82	14 0
Ten Water Waste 22 yards in width, £24 each,			528	0 0
Guard Lock, 12 feet water, and 3 feet rise, 20 feet in width,			1,964	0 0
Embankment across, entrance of 12 mile beach,			293	8 0
Entrance Piers, to 12 feet water, extending 168 yards, into Lake Ontario, and Breakwater placed in 18 feet water,			6,900	0 0
Raising D'Cou's mill pond,		£274 10 6		0 0
do. Thomas's mill,		110 0 0		0 0
do. Merrits and Adam's do.		200 0 0		0 0
		614 10 6		0 0
For 3 feet extra height add,		250 0 0		0 0
		864 10 6	364	10 6
Making a timber tracking path in the Twelve pond, 2 miles at 25 solid feet of timber per lineal yard or 88,000 solid feet of timber at 15s. per hundred feet,			660	0 0
Workmanship of 3,520 frames per do. at 5s. each,			880	0 0
One pair of stop-gates and recesses for summit,			34	10 0
Draw-bridges seven in number at 400 pounds each,			2,800	0 0
Ten per cent for contingencies,			13,385	9 3
		£	117,240	6 9

N. B.—PROPERTY NOT INCLUDED.

FRANCIS HALL, ENGINEER.
 YORK, 8th March, 1825.

ABSTRACT,

ESTIMATE OF THE EXPENSE OF A SLOOP NAVIGATION FROM THE
 RIVER WELLAND TO NIAGARA.

Expense of summit level common to both lines,	: : : : £	52 087	10	7
Locks, 32 in number, at 1796 pounds each,	: : : : :	57 472	0	0
Amount of excavation, cutting, and embanking, is 982,730 cubic yards at 6d.		24 568	15	0
Masonry, for 8 culverts	: : : : :	1 369	0	0
Guard or entrance Lock, 12 feet water,	: : : : :	1 964	0	0
Ten Drawbridges, at 400 pounds each,	: : : : :	4 000	0	0
Stop-gates and recesses	: : : : :	72	0	0
Grubbing,	: : : : :	2 600	0	0
Ten per cent for contingencies,	: : : : :	14 413	6	0
	£	158 546	11	7

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		135,447	25 do.	33,861 75
		45,149	30 do.	13,544 70
		968,222		\$194,458 09
			Yds.	
Retaining Walls,	6946 X 3½		at 10d. per Yd.	13,892
				\$208,350 90
			£	52,087 10 7
Locks 32 in number, composed of Rubble stone, size 90 feet within the Chamber, 120 feet between extremities of every wall, and 18 feet in width, £1796 each,				0 0
Amount of cutting and embanking 407,528 Cubic Yards, at 6d.				57,172 0 0
Grubbing, and clearing channel of stones,				10,188 4 0
Ten Water Waste 22 yards in width, £24 each,				82 14 0
Guard Lock, 12 feet water, and 3 feet rise, 20 feet in width,				528 0 0
Embankment across, entrance of 12 mile beach,				1,964 0 0
Entrance Piers, to 12 feet water, extending 168 yards, into Lake Ontario, and Breakwater placed in 18 feet water,				293 8 0
Raising D'Cou's mill pond,		£274 10 6		6,000 0 0
do. Thomas's mill,		140 0 0		0 0
do. Merriots and Adam's do.		200 0 0		0 0
		614 10 6		0 0
For 3 feet extra height add,		250 0 0		0 0
		864 10 6		864 10 6
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Draw-bridges seven in number at 400 pounds each,				2,800 0 0
Ten per cent for contingencies,				13,385 9 8
			£	147,240 6 9

N. B.—PROPERTY NOT INCLUDED.

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Amount of excavation, cutting, and embanking, is 982,730 cubic yards at 6d.	:	:	:	:	:	24 568	15	0
Masonry, for 8 culverts :	:	:	:	:	:	1 369	0	0
Guard or entrance Lock, 12 feet water, :	:	:	:	:	:	1 964	0	0
Ten Drawbridges, at 400 pounds each, :	:	:	:	:	:	4 000	0	0
Stop-gates and recesses :	:	:	:	:	:	72	0	0
Grubbing, :	:	:	:	:	:	2 600	0	0
Ten per cent for contingencies, :	:	:	:	:	:	14 413	6	0
						£	158 546	11 7

FRANCIS HALL, ENGINEER,

YORK, 8th March, 1825.

WELLAND CANAL.

ESTIMATES
FOR COMPLETING A CANAL,
BETWEEN
THE RIVER WELLAND,
AND
12-MILE-CREEK OF NIAGARA.

In -
with the paper
produced by the
of the Commission?
If not at present
at what period
it is expected?
What may the Com.
of the Welland
in regard to

would it not be like
proposed to work for
the income to be
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be subject to
with the land on
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whether passing

