

ESTIMATE OF WORK DONE AT BURLINGTON BAY CANAL, NOVEMBER 1826.

To the commissioners for making the canal and harbour at Burlington Beach.

GENTLEMEN—

Agreeable to your instructions I have proceeded to make an estimate of the amount of work done by the contractor up to the of November 1826.

In making up the cost of excavation I have considered that the dredging machine is owned by this province and that the only expense incurred by the contractor is in excavating the earth and in keeping the machine in repair.

In making out the prices of timber laid in piers and of the stone and cribs of piles, I have had an explanation of the difficulty attending the work in every stage, from your agent or superintendents Mr. Kirby and Mr. Strowbridge the contractor and Mr. Munn, the contractor's overseer—after which I have formed my own opinion, which you have in the following.

The price of stone per cord is higher than is paid at the mouth of the 12 mile creek yet from the difficulty as represented they have evidently cost more.

		Boil.	Cts.		
Amount of excavation done above water 8185 cubic yards at 10 cents,		818	50		
do. do. under water, dredging 97,777 at 40 cents,		15110	60		
				15929	10
South pier extended in lake Ontario 644 feet, contents of square timber lineal measure 17,035 feet at 9 cents,		1533	15		
Contents, cords stone lineal measure 915 at \$5,		4575	0		
do. ties	each 836 at 40 cents,	334	40		
do. piles driven	76 at \$3,	228	0		
This pier is covered with two inch plank 6190 feet at \$30		123	80		
The part of this that is along the beach basin is sand 400 yards at	10 cents,	40	0	6834	35
North pier lake side, extended 678 feet,					
contains of square timber lineal measure 19,860 feet at 9 cents,		1787	40		
do. cords stone	781 at \$5	3905	0		
do. ties in pier	991 at 40 ct.	396	40		
do. piles	23 at \$3	69	0		
3 inch plank laid on top	4100 at \$30	123	0	6280	80
A part of the pier washed away last spring; stone &c. lost					
contained of square timber	3392 feet at 9 ct.	305	28		
do. cords of stone	93 at \$5	465	0		
do. ties	168, each 40 cents,	67	20	837	48
Next the beach on this side is warped up					
contains of square timber	1124 at 7 cts.	78	68		
do. ties	110 at 40 cts.	44	0		
Is filled with sand	400 yards at 10 cts.	40	0	162	68
The wharfing through the beach south side is 158 feet					
contains of square timber 1432 feet	7 cts.	100	24		
Do. cords of stone 2	\$5	10	0		
Ties 78 at 30 cents		23	40		
Piles driven 151 at \$4		604	0		
Sheeting piles 71 at \$2		142	0		
For removing earth and placing brush in rear of this		150	0	1029	64
This wharfing north side through beach consists	39 piles at \$4			156	
South pier bay side is extended 637 feet long					
square timber 6762 feet at 8 cents		540	96		
Cords stone	206 at \$5	1030	0		
Ties	325 at 38 cts.	123	50		
Piles	39 at \$3	117	0		
North side pier bayside, extended out 972 feet					
squared timber	11911 feet at 8 cts.	952	88		
Cords stone	372 at \$5	1860	0		
Ties	680 at 38 cts.	358	40		
Piles	62 at \$3	186	0	*3257	28
PIER DESTROYED BY ICE : STONE, &c. LOST.					
Square timber	2904 feet at 8 cts.	232	32		
Cords stone	66 at \$5	330	0		
Ties	104 at 38 cts.	39	52	601	84
The breakwater is sunk 316 feet in length has of square timber 14776 feet	11 cts.	1625	36		
Cords stone	1071 at \$5	5355	0		
Ties	725 at 50 cts.	362	50		
Piles	91 at \$5	455	0		
Planks 2 inch	6480 feet at \$20	129	60	7927	46
See Mr. Hall's estimate for stone washed out of this pier	300 cords at \$5	1500	0		
Part of breakwater that upset last spring, north end 1680 feet timber	at 11 cts.	184	80		
Cords stone	118 at \$5	590	0		
Ties	72 at 50 cts.	36	0		
Piles	3 at \$5	15	0	2325	80
2 inch plank	700 feet at \$20			14	
80 feet of first breakwater lost.					
square timber	3630 feet at 11 cts.	404	80		
Cords stone	169 at \$5	845	0		
Ties	184 at 50 cts.	92	0		
2 inch plank	300 feet at \$20	6	0	1347	80
Total				\$4670	43
Errors				182	46
Amounting in all to forty-six thousand seven hundred and four dollars forty-three cents—errors excepted.				\$4852	89

For plans of draw bridge and light house I must refer you to Mr. Hall's estimate and plans.

In the above estimate I have considered every expense to be incurred by the contractor with the exception of the dredging machine—such as pile driver, scows and the loss of several scows.

Saint Catharines, 22d December 1826.

(Signed)

ALFRED BARRETT, Engineer.

*Should be \$5068 74—Error in original.