(APPENDIX P.) *See Journal, page 61.*

Gentlemen,

Since I left Burlington Beach, I have been detained four weeks in the States as an evidence, which has caused this great delay in sending to you my Estimate; which has brought on me such a pressure of business as to prevent me from making the explanations you wished in regard to a comparison between the original plans and the present, or to shew how far the Contract has been complied with; it is my opinion, however, that the deviations that have been made from the first plan, have tended greatly to the permanency and durability of the work.

Respectfully,

(Signed)

ALFRED BARRETT,
Engineer.

N.B. Instead of a Draw-bridge, I at present would recommend the propriety of constructing a Floating-brige, which may be built at less expense.

(Signed,) A. BARRETT.

Estimate of the expense of making a Cut and Pier at Burlington Beach, at the point drawn with red upon the Map.

Excavation,	$\frac{2}{3}\frac{2}{1}\frac{0}{7}$ ⋈ 18 ⋈ 73—14,880 solid yards,						
	380 ⋈ 18 ⋈ 72—18,240 do.						
Top slope,	106 ⋈ 6 ⋈ 380—8,951 do.						
	$\frac{8}{1}\frac{7}{2}\frac{}{5}$ ⋈ 18 ⋈ 72—20,400 do.						
	62,471 solid yards, *a* 3*d*. per y'd. Digging machine not included.	780	17	9	780	17	9
Timber work, Bay side, or South side,	Each Pier 810 feet in length, (calculated of one) 810 ⋈ 2—1,620 lineal, external, & internal, surface.						
	Pile and sheeting pile, ⋈ 26—21,060 solid feet, *a* 20*s*. per hundred, - - - - -	210	12	0			
	$\frac{1}{2}$ 1,620—810 sheeting piles, ⋈ 20 feet in length—16,200 solid feet, *a* 20*s*. - - - - -	162	0	0			
Fenders, upper and under,	—1,620 solid superficial feet, at 20*s*. - -	16	5	0			
Inside Piles,	—2 internal piles, or 404 ⋈ 20—8,080 solid ft. *a* 15*s*.	60	16	0			
Diagonal Braces,	—46 solid feet, for each 15 feet lineal—2,484 solid feet, *a* 15*s*, - - - - - -	18	16	0			
Fore Braces,	One for each 50 feet—16 ⋈ 15 ⋈ 20—4,800 solid feet, *a* 15*s*. - - - - - -	36	0	0			
Road way,	—310 ⋈ 15—12,150 superficial feet, *a* 20*s*. -	121	10	0			
					625	19	0
North Pier,	Same length and dimensions, - - - -	- -	-	-	625	19	0
Beach,	Length of one side, 540 feet.						
Piles and Sheeting Piles,	—540 ⋈ 24—12,900 solid feet, *a* 20*s*. - -	129	12	0			
Inside work,	—$\frac{5}{4}\frac{4}{}\frac{0}{}$—135 ⋈ 30—4,050 solid feet, *a* 15*s*. -	30	10	0			
Fenders,	—540 lineal feet, 20*s*. - - - - - -	5	8	0			
Road way,	—540 ⋈ 6—3,240 superficial feet, *a* 20*s*. 3 in. plank,	32	8	0			
					197	18	0
Beach. North side,	Same dimensions as South side, - - -	- -	-	-	197	18	0
Ontario side.							
North Pier,	—370 feet in length—1,140 ⋈ 24—27,360 solid feet of pile, and sheeting pile, *a* 20*s*. per hundred,	- -	-	-	273	12	0
Inside work,	$\frac{5}{4}\frac{7}{}\frac{0}{}$—284 ⋈ 47 Pier hundred—331 ⋈ 22—7,283 solid feet *a* 15*s*. per hundred, - - -	54	16	0			
Diagonal braces,	—65 feet for each 15 lineal—38 ⋈ 65—2,470 solid feet, *a* 15*s*. - - - - - -	18	10	6			
Fenders,	—1,140 feet lineal, *a* 20*s*. - - - - -	11	8	0			
Fore braces,	Each 50 lineal feet—17 ⋈ 10 ⋈ 24—4,080 solid feet, *a* 15*s*. - - - - - - -	30	12	0			
Road way,	—570 ⋈ 11—6,270 superficial feet, *a* 15*s*. per hun'd.	47	0	6			
Ontario side.					162	7	0
Main or South side,	525 lineal feet—1,050 ⋈ 24—25,200 solid feet of pile and sheeting pile, *a* 20*s*, - - -	252	0	0			
Inside work,	—2 each 4 feet length—262 ⋈ 26—6,812 solid feet, *a* 15*s*. - - - - - -	51	0	0			
Diagonal braces & fenders	—100 ft. for each 15 lineal feet, 3,500 solid feet *a* 15*s*.	26	5	0			
Fore braces,	Each 50 ft.—10 ⋈ 15 ⋈ 24—3,600 solid feet *a* 20*s*.	36	0	0			
Road way,	525 ⋈ 15—7,875 superficial feet, *a* 15*s*. per hun'd.	59	1	4			
Pier, 18 feet.							
Internal surface,	200 ⋈ 2 ⋈ 26—10,400 solid feet of pile, and sheeting piles, 20*s*. per hundred, - -	104	0	0			
Inside work,	100 ⋈ 26—2,600 solid feet, *a* 15*s*. - -	19	10	0			
				Continued, £	2,864	10	9