

ABSTRACT ESTIMATE

Of the expense of effecting a Communication from the Bay of Quinte to Lakes Simcoe and Huron, via, the Trent and Back Waters of the Newcastle District, on the combined principle as referred to in the foregoing Report.

				Currency.		
				£.	s.	d.
From the Bay of Quinte to Widow Harris'.....	9 miles	Per Railroad,		17,500	0	0
" Widow Harris' to Percy Landing.....	21 "	" Navigation,		14,114	7	6
" Percy landing to Head of Heeley Falls.....	11 "	" Railroad,		12,000	0	0
" Heeley Falls to Peterborough Basin.....	55 "	" Navigation,		21,359	8	10
" Peterborough to Chemong Lake.....	8 "	" Railroad,		15,000	0	0
" Chemong Lake to Balsam Lake.....	40 "	" Navigation,		33,362	17	4
" Balsam Lake to Talbot River.....	13 $\frac{3}{4}$ "	" Railroad,		27,000	0	0
" thence along River to Lake Simcoe.....	2 $\frac{1}{2}$ "	" Navigation,		7,450	0	0
" across Lake Simcoe to Narrows.....	22 $\frac{3}{4}$ "	" Navigation,				
" Narrows to Lake Huron, say.....	15 "	" Railroad,		30,000	0	0
Making in all.....				£177,786	13	8
To which add for contingencies, management, &c.....				17,778	12	10
Making a total of.....				£195,565	6	6

N. H. BAIRD,

Civil Engineer, M. I. C. E., L.

MEMORANDA OF LOCKAGE.

One	Lock.....	at Whitlaw's Rapids.
Five	do	at Peterboro', and to Lee's Mill-pond.
Six	do	from Lee's to Herriott's.
One	do	at Herriott's Mill.
One	do	at Young's do.
Three	do	at Peninsula Falls.
One	do	at Chute (Deer Bay).
One	do	at Buckhorn Rapid.
One	do	at Bobcaygeon.
Three	do	at Cameron's Falls.
One	do	at Balsam Rapids.
Twelve	do	from Balsam Lake to Lake Simcoe.

In all 36 Locks, besides 2 Guard Locks 341 ft. 3 $\frac{3}{10}$ in. Lockage.

INTERIM REPORT

To His Excellency SIR JOHN COLBORNE, K. C. B., &c., suggesting the expediency of a combined system of Communication from the Bay of Quinte to Lake Huron.

BY N. H. BAIRD, CIVIL ENGINEER.

TO COLONEL ROWAN,
CIVIL SECRETARY :

SIR,—At this stage of the survey of the water communication from Rice Lake to Lake Simcoe, in connection with the River Trent improvements, and looking forward to the ultimate end in view, viz.—a communication between the Bay of Quinte and Lake Huron, I feel myself called upon to lay before you, for His Excellency's information, the result of my labours up to this time, in a condensed form, in case the result thereof might lead to other arrangements which might be more conveniently carried on now than at a future period.

On running the levels from the Otonabee River at Peterboro' to the head waters in Chemong and Pigeon Lakes, I found the difference to be much greater than was anticipated in my Report on the Trent improvements, as also the difference of level to Lake Simcoe, equally so, and which, for perspicuity, I shall now enumerate in order, viz.:

From Bay of Quinte to Rice Lake.....			365 ft. 0 in. 0 pts.
" Rice Lake to Peterboro'.....	4 ft. 6 in. 0 pts.		
" Otonabee River to head water Chemong Lake.....	189	9	7
Bobcaygeon Rapids.....	6	6	0
Cameron's Falls.....	26	8	0
Balsam Rapids.....	2	4	7
To Lake Simcoe, (descending).....	118	5	3

Making difference of levels from the Rice Lake to Lake Simcoe.....	348	3	7
Lake Simcoe to Lake Huron, assuming the Lake 594 feet above the sea.....	110	0	0

Total lockage from the Bay of Quinte to Lake Huron.....823 ft. 3 in. 7 pts.