

ESTIMATE

Of the expenses required for the construction of a Canal, seven feet deep, forty feet wide at the bottom, and with a slope of one foot and a half to one—the locks one hundred long by twenty-two feet wide with Turning-bridges twenty-two feet in the clear, and ten feet wide.

In the first nine miles all that is required is the deepening of the entrance of the Grand River, and the formation of a towing path on the bank. The river, when the obstructions at the entrance are removed, contains a sufficient depth of water for every purpose :—to deepen the entrance to twelve feet water, and prevent its again filling up, two piers will be necessary ; the materials for which being on the spot, it can be done at a comparative low rate.

	Amount in detail.			T O T A L.		
Constructing piers of piles, and opening Channel, - - - -	4,000	0	0			
Levelling banks, and constructing towing-paths nine miles, at £150 per mile, - - - - -	1,350	0	0	5,350	0	0

Tenth mile.—Lomas' Creek being the most advantageous place to abandon the Grand River, it is proposed to leave the same with a lock ascending, to contain eight feet water, of nine feet lift ; this lock, which is calculated for the lowest ebb of the river, brings us with nine feet water into the said creek thirty-eight chains, requiring only the removal of some black mud. There will be a small embankment and towing path the whole distance : this creek being in most places, sixty-six yards wide, will form an excellent harbor half a mile long—thence forty-two chains through a bed of clay excellent for a canal.

	No of C. Yds.	Rate.	Amount in detail.			T O T A L brought forward.		
		s. d.	£	s.	d.			
Cutting, - - - - -	4,219	1 0	210	19	0	5,350	0	0
“ “ - - - - -	24,010	0 6	600	5	0			
Embanking, - - - - -	4,671	0 6	116	15	6			
Puddling, - - - - -	3,290	0 6	82	5	0			
Locks, Nos. 1 & 2, - - - - -			4,492	1	0			
Grubbing, - - - - -			70	0	0			
Fencing, - - - - -			32	0	0			
One Bridge,- - - - -			100	0	0	5,704	5	6
Carried Forward.						11,054	5	6

Eleventh mile.—Is excellent for a canal, running through a bed of strong clay frequently crossing Lomas' Creek. It is proposed to admit the creek into the summit pond, which may be done with the greatest safety ; the ground rising so rapidly, two locks will be required in the first 52 chains,—then commences the summit level.