

at 17 cents the bushel. But such is the imperfect state of the navigation of the river, that much of the stone must be transported to the locks at a cost of two dollars the bushel, and the transportation of the hydraulic lime, by floating, in the Summer and Autumnal months, will doubtless, if not triple its cost, to the contractor. The locks of the canal have, therefore, been nearly all re-let at prices advanced twenty-five per cent. upon those stipulated in the first contracts.

To ascertain the probable effect of these and other causes referred to in another part of this report, in augmenting the cost of the ninety sections of the canal next below the Point of Rocks, or above the Georgetown sections, exact calculations founded on the actual experience derived from the progress of the work have been invited, and received from all the residences but one,* and making a rateable allowance for some augmentation of the cost of that portion of the canal, which lies altogether above the Great Falls, a summary of the cost of the 46 miles will be found to give, for the grubbing, excavation, embankment, puddling, walling, locks, and lock-keepers' houses, aqueducts, culverts, and dams of the whole line, exclusive of bridges across the canal, of indemnities to the proprietors of the land, and materials used in its structure, of engineers' and officers' salaries, printing, advertising, fees of counsel, very near or quite 22,000 dollars the mile, and, adding all other charges, not less than 24,000 dollars.

Of this sum, the condemnation of the ground and materials along the ninety sections will amount, of itself, to one thousand dollars the mile.

In this last item, however, is comprehended a charge for fencing, which all the condemnations suppose to be supplied at the cost of the adjacent proprietor.

If the cost of the entire canal, above the Georgetown sections, shall average, per mile, the same price as the part of that line below the Kitocan mountain, then the expense of reaching Cumberland will be somewhat, though very little, less than \$4,400,000.

It is worthy of remark, that, without any reference, in the progress of this estimate, to that of Messrs. Geddes & Roberts, on a canal 60 feet wide at the surface, with but

*The returns having been received from this Residence since this report was made, it is included in the summary of work done and to be done.—See Appendix.