

walling of rock excavated from the canal
at an average price, per perch, of 54 82-100

2,056 perches, of 25 solid feet of external
walling, of rock not excavated from the
canal, at an average price per perch, of 92 37-100

The extra work so far, has not exceeded in cost \$1,035
while the total expenditures on those items alone amount
to \$114,221 69½.

The common average of every species of excavation,
including every variety of earth, hard pan and rock, is
as far as the work has gone, 13.58 cents per cubic yard.

Of embankment, whether of materials obtained from
within or without the canal, 12 cents per cubic yard.

Of external, vertical and slope wall, constructed of rock
from within or without the canal, 57.42 cents per perch
of 25 solid feet.

A comparison of these prices, with those on which
were grounded by the United States' Engineers, that
calculation of the cost of this canal, so often adverted
to with triumph by its enemies, and so discouraging for
a long time, to its friends, would stimulate the latter to
increase exertion for its rapid execution. It may not be
useless at this late period, to refer to some of them.

The excavation of all the materials usually found in a
canal, is computed in that estimate, for the particular
part of this canal now under contract, above the Little
Falls, at \$702,943 for 2,420,390 cubic yards; being an
average of more than 29 cents per cubic yard. The
cheapest excavation in this estimate, is of common earth,
of the lightest description, at 14 cents.

The embankment, in quantity 441 140 cubic yards, is
estimated at \$75,400; affording an average price of more
than 17 cents per cubic yard.

The stone walling is estimated in quantity at 139,945
perches of 25 solid feet each, and in cost at \$473,812, or
more than 3 40 cents the perch.

The first of these three averages exceeds the first of
the former, for the corresponding excavation, in the ratio
of 29 to 13.58 or much more than 2 to 1.

The average cost of embankment in the former esti-
mate exceeds the corresponding average derived from the
actual construction of part of the same work, in the ratio
of 17 to 12 cents.

And the walling in the former estimate is computed at
more than the actual cost of the same description of
work in the latter, in the ratio of 340 to 57 42-100 cents,
or near 6 to 1.