

APPENDIX B.

EXTRACTS FROM THE "ANNUAL REPORT OF THE STATE ENGINEER AND SURVEYOR ON THE CANALS OF THE STATE OF NEW YORK, FEBRUARY, 9TH, 1853.

"An investigation of the comparative advantages of the several channels of communication between the sea board and the interior, requires an examination into the *cost* and *charges* of transport by the various modes of land and water conveyance."

"The *charges* cannot be relied upon in this investigation, because they fluctuate on the various routes, and on the different articles conveyed; competition reducing them to a minimum, and monopoly raising them to a maximum."

"The *cost*, however, furnishes a more reliable basis for comparison, as the elements upon which it depends are usually affected alike on the different routes." * * * *

Mr. McAlpine then gives the following "*Table of the Cost of Transport per Ton per mile*," by various modes of conveyance:—

Ocean long voyage,	1 mill.
" short " from.....	2 to 4 "
Lakes, long voyage.....	2 "
" short "	3 to 4 "
Rivers Hudson and of similar character.....	2 5 "
" St. Lawrence and Mississippi.....	3 "
" Tributaries to Mississippi, from.....	5 to 10 "
Canals, Erie enlargement.....	4 "
" other large but shorter, from.....	5 to 6 "
" ordinary size	5 "
" " with great lockage, from.....	6 to 8 "
Railroads transporting Coal, from.....	6 to 10 "
" not for Coal, favourable lines and grades.....	12 5 "
" " steep grades, from.....	15 to 25 "

"The *cost* of transportation on the Erie Canal, including its repairs and maintenance, and the *expenses* of the forwarders, is five mills per ton per mile."

"The *cost* of transportation of freight on the Central Railroad, including items of *expense* corresponding to those above stated, was *nineteen mills per ton per mile*, and on the New York and Erie was *thirteen mills*."

The *charge* including the *per mile*.

The *charge* averaged *three* and Erie aver

The total *sum* to be about *se* Receipts of th

If this busin (i. e. the New it would have portation.

Of the article Butter, Wool, Lard, Seed, Hop, ver Seed, Hop, and Cottons, and for the four year and eighteen to sand eight hund proportion for t

Of the article Lard, Lard Oil, other Grain, Br, Starch, Agricult, ported upon the and seventy two Railroads, Eight tion of 108.4 to 1

Of all other ar Canals, Two mill and two tons; an sand four hundre

The whole tonn the New York Ce teen per cent; of Baltimore and Oh