B.

Estimates of the cost of transporting coal from Cumberland, and from the Frostburg Mines to Dam No. 6, on the Chesapeake and Ohio Canal, extracted from reports of the undersigned bearing date 31st January, 1844.

"FIRST. As to the cost of transporting coal from Cumberland to dam No. 6, by the Baltimore and Ohio Rail Road,—distance 45 miles. This estimate contemplates the employment of locomotives weighing 20 tons, and of sufficient power to transport 30 cars, carrying 7 tons each, or 210 tons of coal per train; and that three locomotives will be required to perform the work of two, and that the season of canal navigation will continue 250 days. Cars loaded in one direction only.

Estimated cost per day of train carrying 210 *tons of coal.*

Interest on $1\frac{1}{2}$ times cost of locomotive and tender per working day, (the cost of engine and tender being estimated at $10,000,)	$3 60
Repairs and renewals of engine and tender, at 9 cts. per mile run with trains, 90 miles per day,	8 10
Fuel—3 tons of coal at $1\frac{68}{100}$ per ton,	5 04
Oil—for engine and tender, $1\frac{1}{2}$ gallons at 90 cts.	1 35
Wages of engineman and fireman,	3 50
Wages of two breaksmen, one at $1\frac{1}{4}$ and one at $1,	2 25
Interest per working day on 75 coal cars, at $380 each,	6 84
Repairs and renewals of cars at $\frac{1}{4}$ of a cent per ton per mile of coal hauled,	23 62
Grease for cars,	1 50
Making a total of	$55 80
Being at the rate per ton per mile of	0.591 cents.
Add to this for wear and tear of road, bridges, &c.	0.250 "
And for contingencies,	0.100 "
The total cost per ton per mile will then be	0.941 "

Two such trains as that above estimated (with less than which the trade could not be so economically conducted,) would carry 105,000 tons of coal from Cumberland to Dam No. 6, during the 250 days of canal navigation; which at 2 cents per ton per mile, would yield a net revenue of $50,037\frac{75}{100}$. At $1\frac{3}{4}$ cents per ton per mile $38,225\frac{25}{100}$, and at $1\frac{1}{2}$ per ton per mile of $26,412\frac{75}{100}$.

The amount of capital requisite to procure the machinery for two such trains would be $87,000.