complete the road, owing to a vast increase of favorable grades might be found. The evidence fect a circulation of pure air through the train, as Nashville Railroad to more than \$11,000,000, or route should have been adopted. One road from cannot see therefore, how the reasoning of "P.M. \$60,000 per mile.

Road.

Level	43.79 miles
10 feet and under	10.62
From 10 to 20 feet	30.99 "
" 20 to 30 feet	23.61 "
" 30 to 40 feet	19.18 "
40 to 50 feet	18,50 "
" 50 to 60 feet	26.16
" 60 to 70 feet	12.65 "
Total	$185\frac{1}{2}$
Total rise going south	2,514 feet
Total rise going north	
	Principle and the second second

The total curvature is 4,127 degrees.

The total means provided are as follows:

Total rise and fall.....

	sub.	by the	•	Nashville	\$984,600
""	. 66		County	of Hardin, Ky.	300,000
"	"	66	"	Warren, "	300,000
	"	"	66	Hart, "	100,000
	"	"		Simpson "	100,000
"	"	"	"	Davidson, Ter	•
6.6	"	"	6 6	Sumner, "	300,000
t t	"	" "	"	Individuals,	•
				·	The same of the sa

bonds.

The construction of the above is eminently called for, both by the wants of the people upon its line, and of the whole country. There is no new project at whose success we should more rejoice. We cannot help expressing our opinion, however, that the Company have committed two blunders, which will materially interfere with its successthe adoption of the 6 feet Gauge, and the abandonment of the route by way of Glasgow. For the introduction of a new gauge into Kentucky, there is no apology. Though the measure may be a popular one there, it will effectually cut off the project from any assistance from this quarter. The people of New York are not going to put their money into a work, which adopts the most effectual measures possible of driving from, instead of attracting business to itself, and of fostering the construction of rival lines. Whatever effect the clap-trap of wide gauge may have in Kentucky, it won't take out of it. If the people of that State are prepared to build their own road, with their own money, they may commit just such follies as suit them; but they must not hope to palm them off upon others.

Another mistake committed is in the location of the road, by which Glasgow is avoided. There is to be a Railroad from Cincinnati to Nashville, as well as from Louisville. The Cincinnati line has already reached Lexington, a distance of 100 miles and is well advanced toward Dansville, some 35 as coming from an "old Experimenter" in that miles further. The prolongation of this line upon line, but he will permit us to suggest, that they The Councils of Pittsburgh have passed an ordithe natural and convenient route, is through Glas- would be more to the purpose, if his experiments | nance subscribing \$300,000 to the Pittsburgh and gow. This place which is 80 miles distant from had been upon the same principle with Messrs Nashville, is also on the route of the shortest line Waterbury & Atwood's plan. To strove to inject from Louisville to Nashville. The profiles of both the air into each car separately, as we understand wardness. We may therfore expect if the Bonds routes shew the one by way of Glasgow, to be a it, which is simply impossible, unless he can create | can be negociated on reasonable terms, which little less favorable in the matter of grades, than a current as strong or a little stronger inside, than is very difficult in the present state of the the one adopted by the Louisville Company, but that formed outside by the onward motion of the the former is shorter, and we presume, cheaper. - train; while both Waterbury & Atwood, and Mr.

Glasgow to Nashville might have been made com- H." applies to these cases at all. The following is a summary of gradients of the mon to both lines, and the construction of some 80 miles, and the expenditure of over \$3,000,000 might ones. As before stated, we do not wish to interus objecting most emphatically.

For the American Railroad Journal. Car Ventilator.

I have just been reading in your last issue The following is the new Board of Directors of the "Waterbury & Atwood's mode of car ventilation." As an old experimenter in "dusters," I am naturally interested in everything of the kind. As a traveler, passing over six hundred miles of road Francis W. Paul, Alfred B. Field, John S. King, in a week, and every week, none can appreciate J. P. Giraud Foster. better than myself all improvements in excluding dust from the interior of a train; but I must conmode to free cars from dust, and ventilate them at the same time, is yet in the future. As a gards seven cars ahead. All the effluvia arising from bodies will constitute the atmosphere which you elected Chief Engineer. breathe. Take a seat in the ventile tor of one of our theatres on a crowded night, when all the foul breaths of the audience, and odoriference of ton and Big Sandy Railroad, the following per forts of W. & A.'s "healthy respiration" will be appreciated. The true ventilator is a misnomer when applied to such a mode. Experiments made at great expense during the summers of '52 and '53, have established the fact that injectors having a capacity to each car greater than that proposed in the mode under review for the whole train, mosphere, and repel the dust from the least opening of the windows or doors. Even the "Paine system," which turned the whole sides of the cars into exhausters, and emptied and refilled the car thirty times in one minute with fresh air, was condemned because the cars were too hot. So, gen- \$246, 695, 02, and the expenditures at \$200, 181, tlemen inventors, the field is yet open; but let 46, leaving a surplus applicable for a dividend of hope to ventilate a car or repel dust from its interior by the introduction of air currents, till you can make them enter with a greater velocity than that of the train's motion.

New York, July 3d, 185. P. M. H.

The confessions of "P. M. H." are interesting, and expenses, \$61,992.

quantities over the first estimate. A similar in- furnished by the above report, taken in connection it passes through the atmosphere, by preparing crease would carry the cost of the Louisville and with the Cincinnati line, shows that the Glasgow channels for its unobstructed communication. We

Port Dalhousie and Thorald Railroad.

We learn from the St. Catharine's Post, that the have been saved. The public would then have had work on this important undertaking goes on most one profitable road, instead of two unprofitable energetically. A great number of men with steam excavators, &c., are engaged at the Port Dalhousie terminus, where the deepest cutting fere with Kentucky notions of propriety, but will be required. The prospects of the speedy should the Louisville Company ask to make New completion of the line are very good. The con-Yorkers participants of their follies, they will find tractor is of the right stamp, and is pushing things forward with great spirit. We trust the entire road through to Lake Erie will soon be under contract.

Canandaigua and Niagara Falls R.R.

Elmira, Canandaigua and Niagara Falls Railroad: Simeon Benjamin, Alex. S. Diven. Chas. C. Sheppard; Henry B. Bennett, Wm. Antis, Amos Jones. Solomon Gillett, Henry Bradley, James Harris,

Terre Haute and Alton Railroad.

At the annual meeting of the stockholders of fess that, in spite of the certificates of the Nau- of the Terre Haute and Alton Railroad Company. gatuck train to the contrary, the invention of a held in Shelbyville on Saturday, the 24th ult, the following persons were elected Directors of said Company for the ensuing year: viz. Simeon Ryder' Robert Smith D. C. Huggins. Chas. Cruft. Samuel The balance to be raised by an issue of mortgage in the 8th car of a train, all the air-currents William H. Russell, Electus B. Litchfield, John C. which pass you are charged with the odors of the Durant, John F. A. Samford, John B. Jervis and Hiram Sanford. At a meeting of the board held subsequently on the same day Simeon Ryder. was four hundred and twenty closely racked human reelected Presidet and Col. O. W. Childs was

Lexington and Big Sandy Railroad.

At a meeting of the stockholders of the Lexing. boots and feet are passing through, and the com- sons were elected Directors for the ensuing year: Neal McCan, Fayette. LET WE WE LET A LOT WE RETURN THE WAR

Ben. B. Groom, Clarke.

Joseph Bondurant, Montgomery.

J. M. Nesbit, Bath.

D. K. Weis, Carter. Dr. Z. Cushing, Greenup.

Richard Apperson, Esq., was re-elected President of the Board.

The report of the President and Chief Engineer have proven inadequate to create a pleasing at shows the road is in a flourishing condition, and rapidly progressing to its completion; there being upwards of 800 laborers employed on the same.

Chesapeake and Delaware Canal.

The Aunual Report of the Chesapeake and Delaware Canal Company gives the receipts from tolls for the fiscal year ending May 31, 1854, at dear bought experience first whisper to you, never \$46,563,56' In view, however, of the present financial wants of the Company, growing out of the enlargement of its locks' it is recommended that no dividend be now declared' The Company also received during the year, from interests, dividends, rents,&c., the further sum of \$15,429 06, maning the total yearly revenue, clear of interest

The Stemberville Railroad.

Stubenville Railroad Company. This, it is said will be sufficent to secure the completion of the road, the work on which is in a great state of formoney market, to witness the completion of the work in the shortest possible time. It is very desirable, in a road constructed principally from the pro-We think it altogether probable, many equally Lancaster, by their plans, merely endeavor to ef-1 ceeds of the sale of county and city funds, that it