

late iron; iron rails were substituted nearly carriages, three farthings for second class, And Mystical Babylon's name shall expire ! about 100,000 persons pass over some portion a hundred years ago, and have been variously and one halfpeany for third class; the gov-Strike your harps, ye beatified spirits, whose flight modified and improved since that period. On ernment suffered at first a loss of £100,000 of the tailway every week, more than five millions of travellers use it in the course of Was from fagot and flame to the regions of light ; these roads the carts and other carriages a year, which loss it was hoped would be ma-Who by famine, and torture, and headsmen were were drawn by borses, whose power of draught terially lessened, if not cease altogether, by the year works were carried on driven and tol was of course greatly ipeseased by the dimi- the increase of traffic. chice were lested have a side From the gloom of the vault to the glories of nution of friction. When the distance from In France there are more than 2000 miles

RAILBOADS; analdung THEIR HISTORY AND ADVANTAGES.

The substance of a Lecture delivered at ACADIA COLLEGE, by the President, March 1, 1853.

The first roads we read of were in the East. Like many modern toads, in that part of the world they were originally nothing more than the tracks of travellers and their beasts, and port of military force, easily and expeditiously opened September 15, 1830. In construct, be noticed hereafter. struction of roads by governments. See countered. In order to pass over the Parr dern method of travalling is about to be in-The Romans excelled all others. Wherever gy that cattle cannot walk on it, and an iron Israelites passed to the Red Sea, will shortly their power extended, they provided the coun- rod sinks with its own weight-the vielding be invaded by the steam whistle and the roland command universal admiration. The stacle. The level of the whole work requir. than even their own pyramids and temples.

immediate wants of his family, to be able to give attention to matters of accommodation and comfort. The Indian's path, or one no quickly taken in hand. The following were opened, being those from Boston to Provi-000; or \$28,260 per mile. north damey of thode

the mine was considerable, it became neces of railway; in Germany, (including Austria sary to secure the right of way, and upwards and Russia.) upwards of 3000 railways are of fifty acts of Parliament were passed for that established ; also in Holland, in Italy, in purpose before the construction of the present Denmark, and in Russia, and are increasing the Printose and Kilsby tunnels, and the railroads. Locomotive engines were invent-levery year, mani fill to sellichand

ed in 1824. It was then seen that the rail- The Colonial possessions of Great Britain mingham Railway-the summit, tunnel at road could be employed for the conveyance have already begun to enjoy the benefits. A of passengers, on a great scale, if the requir railway has been opened, between Kingston site means for its construction could be fur- and Spanish Town, in Jamaica. The first penham and Bath- the tunnel on the Edinnished. British capital came to the aid of section of a line from Calcutta to the North- Manchester and Stockports-the high level British ingenuity, and the problem was ern Provinces of India is in operation, greatly bridge at Newcastle-upon Tyne, and the portance of making provision for the trans, was the first enterprise of the kind. It was The railways of British North America will It may be naturally supposed that works of

from place to place, and that led to the con- ing this railway great difficulties, were en. Even in the land of the pyramids this mo-Numbers xx. 17; xxi. 22: Judges v. 6: Isa- Moss, it was necessary to raise an embank-ish lxii. 10. The warriors and conquerors of ment 25 feet high. The Chat Moss, four antiquity took great pains in this respect. miles and a half across, and so soft and spon- the solitude of the desert through which the try with roads and bridges of the most sub- material being from ten to thirty-five feet ling car. Could the Pharaohs arise from their stantial character, many of which yet remain thick-presented a still more formidable ob- tombs, they would behold greater wonders

In new countries it is commonly long be-fore these conveniences are secured, particu-the Engineers was severely tested, but by a country, and the long distances between their larly when the soil is covered with the thick combination of ingenious expedients they cities rendered the adoption of the system forest. The settler is too numbers of the thick combination of ingenious expedients they cities rendered the adoption of the system is too numbers of the system is too numbe forest. The settler is too much engaged in happily succeeded ; and now, where a cow highly desirable. A railway from Quincy to 000; or £26,451 per mile. clearing the ground and providing for the could not stand, five hundred thousand per-Boston, for the conveyance of granite for the South Western, 763 miles, £2,054,396, or

In the formation of railroads immense expense has been sometimes incurred in securing a level line, by deep cuttings, viaducts, tunnels, &cc. [Here] an account was given, in detail, of some of the great works executed Littleborough-the box tunnel between Chip-

such a character would require an enormous expenditure of money. On the Continent, where property is far less valuable, and labor cheaper, the expense is less. Let, we have seen that the Belgium Railways cost upwards of £16,000 per mile; and those of Russia, 2306 miles already completed, have cost £12,294 per mile. sin sono nodw bas enot The following is the cost of some of the principal British Railwaysh perisenant viteod celebrated Assyrian way, and other roads of ed the nailway to be sometimes twelve feet The people of the United States were not above the Moss, sometimes nine feet below it, slow to avail themselves of the advantages of £17,204 per mile.