

120 MILES AN HOUR ON AN ELECTRICAL BICYCLE RAILWAY.

In *Lippincott's Magazine* there is an interesting article by the author of 'Wonders of Modern Mechanism.' It is a description of the railway which, if he is to be believed, is destined to revolutionise all our ideas of rapid transit. An application is at the present moment lying before the United States Senate for making a line between New York and Washington which is to be worked on the Brott Rapid Transit System, the one condition of its construction being that the scheduled time is not to be less

than one hundred miles an hour, which necessitates a speed of one hundred and twenty miles an hour to cover loss of time from stoppages.

The General Electric Company of New York is willing to guarantee all the mechanism necessary for working such a road, and also to undertake that they will maintain a speed of one hundred and fifty miles an hour. The central principle of the Brott railway is that the cars run upon one wheel in the centre instead of two wheels at the sides. There is only one wheel on an elevated track. The traction wheels have small flanges, and there are small side wheels which touch the side supports with pneumatic tyres if the cars should oscillate.

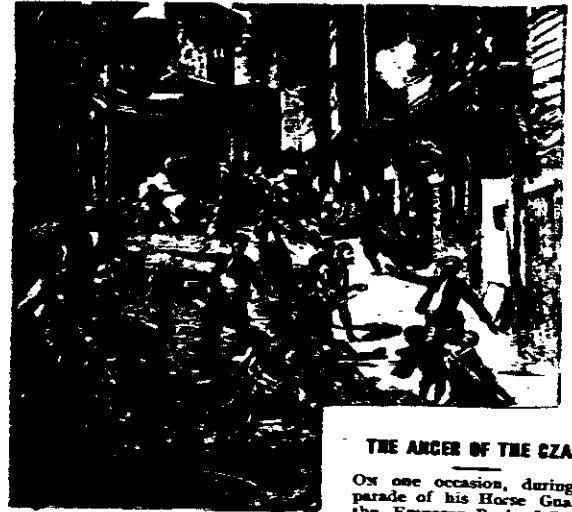
The electric current will be taken from a conductor on the trolley principle; but the conductor will be carried under the

or steel is required excepting for the track rails.— The centre rail will have normally an elevation of about two feet, except at road-crossings, where it will be elevated to afford passage underneath. The cross-ties may lie on the ground or be elevated, as the nature of the ground renders desirable. A steel-truss construction will be used in crossing rivers or deep gullies. The wood used in the construction is to be subjected to a preserving process. The peculiar stover-and-a-half design of the car should be noted, the half-story being below, and constituting a room forty feet long, six feet wide, and four feet high, suitable for carrying baggage, the mails, etc. It is reached by outside doors. Above is the compartment for passengers. Another line is projected in the vicinity of Minneapolis.

The simple construction would seem to be well suited for pleasure railways and light passenger traffic, and the success of these lines would undoubtedly lead to the construction of express lines between the great business centres of the world.



THE CABLE-ROAD BETWEEN LOSCHWITZ AND WEISZER HIRSH MOUNTAINS, GERMANY— SEEN FROM BURGBERG, IN LOSCHWITZ, GERMANY.



THE ATTACK UPON ARMENIANS IN STAMBOUL.

THE ANGER OF THE CZAR.

ON one occasion, during a parade of his Horse Guards, the Emperor Paul of Russia was extremely dissatisfied with the manner in which the troops performed their evolutions.

cars. Power stations will be erected every fifty miles. An absolutely straight line will be preserved.

Light trains of two cars will be run, and the supporting poles will be twenty-five feet apart. An experimental line of thirty miles is to be built between Washington and Chesapeake Bay. No iron

the part of the troops, the Czar could stand it no longer, and he decided to preside over the drill in person. The troops were well aware that the Czar's temper was on the verge of bubbling over, and the knowledge so unnerved them that things went from bad to worse, until at last a blunder supervened (a blunder in which officers and men shared alike), which proved the climax. Galloping up to the disorganised lines, and reining up his charger at their head, livid with the fury which he no longer attempted to suppress, Paul gave vent to the following original and effective speech: 'Officers and troops of the Imperial Horse Guard, right about face! Quick—march—to Siberia!' The entire regiment, with unbroken composure and dignity, wheeled to the right, and started off then and there upon their terrible march into exile. By the time they had arrived at a point lying some few days' march from the capital, the Czar's temper having cooled down, swift couriers were dispatched after the exiled guards with news of the Imperial clemency, and the troops were allowed to return.

'Jabber's son, they say, could talk when only two weeks old.' 'That's nothing. The Bible says Job cursed the day he was born.'



THE TURKISH OUTRAGES IN TRBIZOND, WHERE OVER SEVEN HUNDRED ARMENIANS WERE MASSACRED.