

SCIENCE

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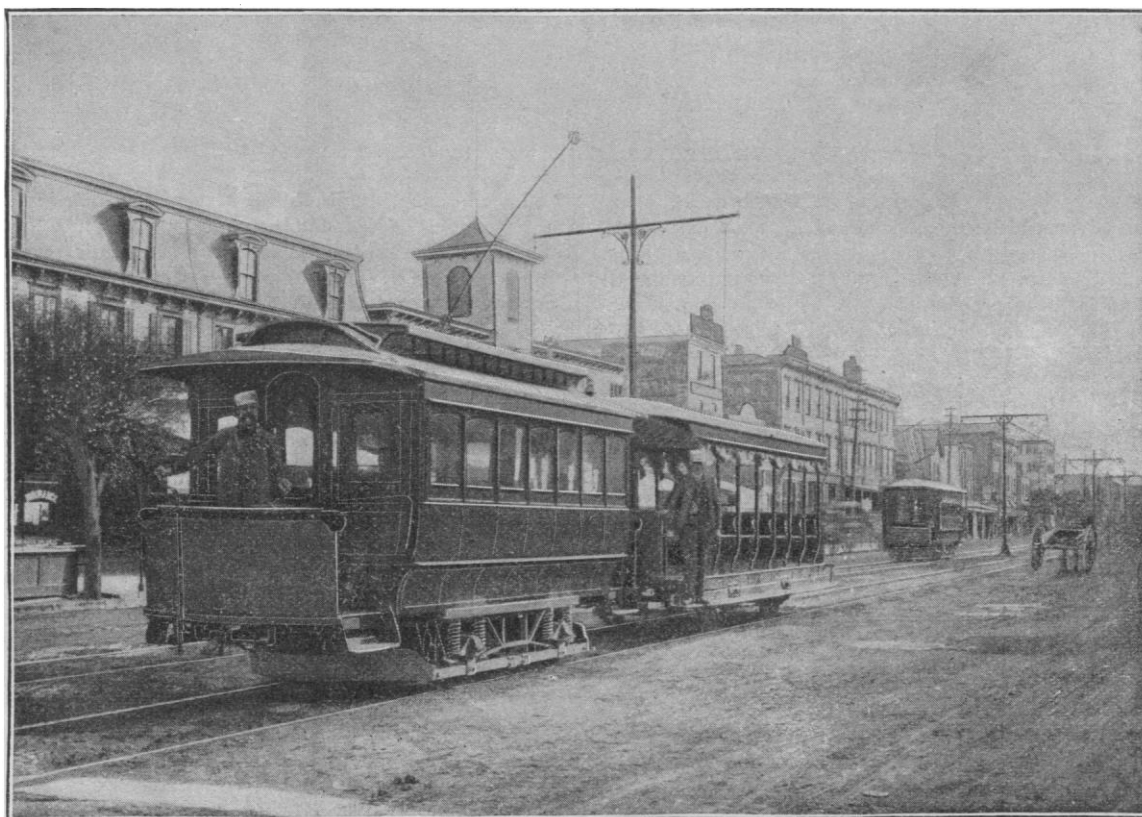
A GOOD RECORD FROM ATLANTIC CITY.

THE road which has been running upon the Sprague electric system at Atlantic City, N.J., continues to be visited by a large number of street-railway men from all parts of the country, and electricians and others interested in electric traction. A record of the operation of this road since the first cars were started shows that a grand total of 6,464 separate trips have been taken by the cars in operation upon this road. During this time, and in spite of the fact that the motors used upon this road were of the new Sprague type, which had hitherto not been tried upon any road, not a single

order has been increased to sixteen electric cars, each capable of drawing an additional car.

One noticeable characteristic of this road is the extremely light and ornamental character of the overhead system. The poles are of iron throughout the entire length of the line, and are placed between two tracks, using the double-bracket method of support for the trolley-wire. These poles, which were put up by the Pennsylvania Railroad Company, show how unobjectionable a system using overhead wires may be when sufficient regard is paid to this feature of the system.

The accompanying engraving gives a view of one of the Sprague



SPRAGUE ELECTRIC RAILWAY AT ATLANTIC CITY, N.J.

trip was lost by the electric cars. This is a record which it would be hard to duplicate in the records of any other machine used for the first time, and it is only additional evidence toward showing the superiority of the electric motor in simplicity, efficiency, and durability to other types of machines, and the care with which the leading electric supply companies are building their apparatus. The original order of the Pennsylvania Railroad Company, which controls the system of street-railways at Atlantic City, was for six cars, each to be equipped with two 15-horse-power Sprague motors, and each to be capable of drawing an ordinary street-car. Since the demonstration of its successful operation at Atlantic City, this

electric cars in operation at Atlantic City, N.J., drawing one ordinary car.

At the annual meeting for the election of fellows of the Royal Society, London, on June 6, the following were elected: John Aitken, Dr. Edward Ballard, Alfred Barnard Basset, Horace T. Brown, Latimer Clark, Professor David Douglas Cunningham, Lazarus Fletcher, William Botting Hemsley, Charles Thomas Hudson, Professor Thomas McKenny Hughes, Edward B. Poulton, Professor William Johnson Sollas, Charles Todd, Herbert Tomlinson, Professor Gerald F. Yeo.