

C. F. BUSCHNER.  
Railway.

No. 227,729.

Patented May 18, 1880.

Fig. II.

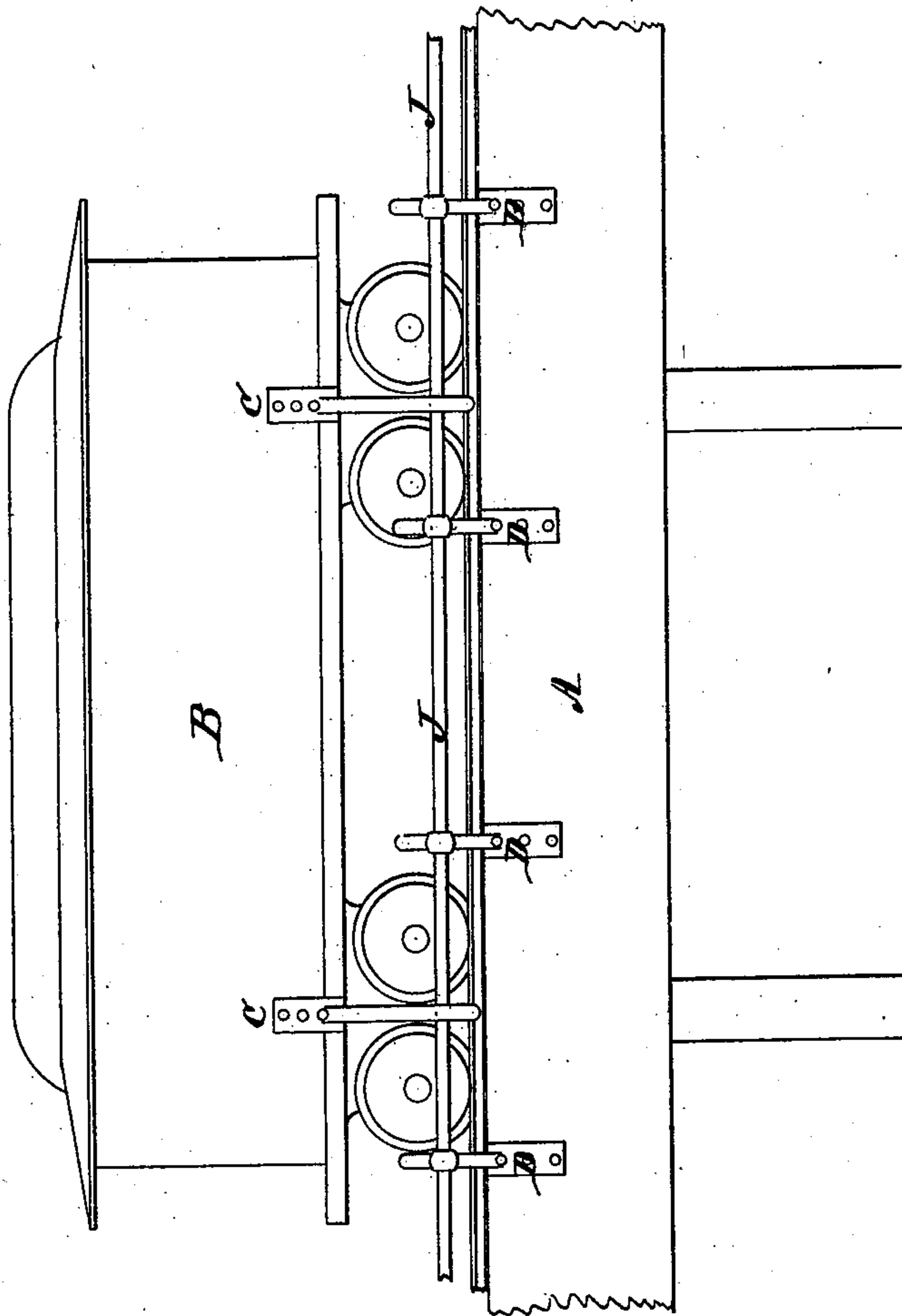
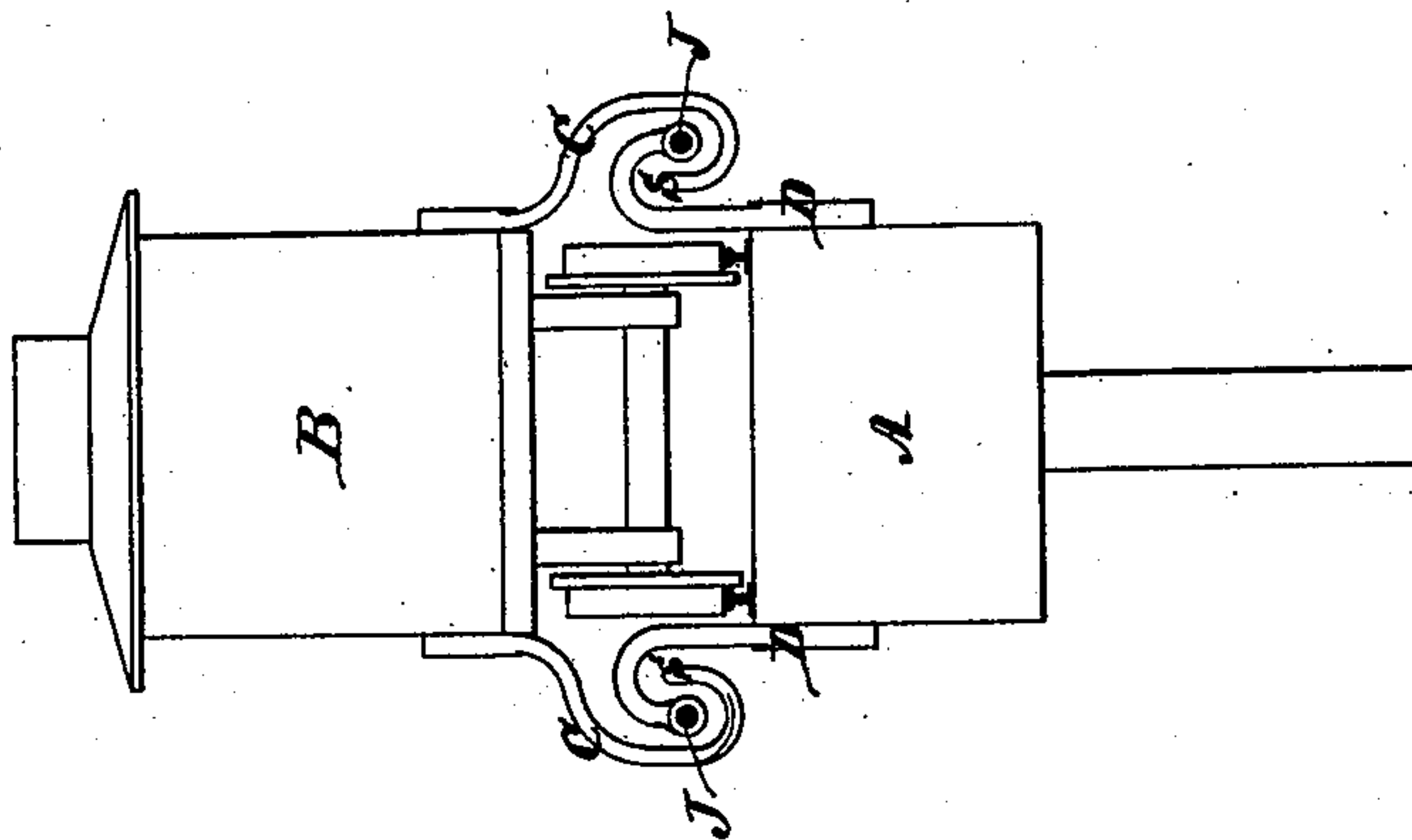


Fig. I.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

CARL F. BUSCHNER, OF NEW YORK, N. Y.

## RAILWAY.

SPECIFICATION forming part of Letters Patent No. 227,729, dated May 18, 1880.

Application filed February 20, 1880.

*To all whom it may concern:*

Be it known that I, CARL F. BUSCHNER, of New York, in the State of New York, have invented a new and useful Improvement in Railways, of which the following is a specification.

This invention is more particularly intended for elevated railways, although applicable to other roads; and it consists in the arrangement of a rod or bar on each side of the rail-track, and of suitable hooks or brackets attached to the railway-carriages and locomotive, and so arranged as to encircle the rods attached to the road-bed with sufficient clearance as long as the carriages and locomotive are running upon the rails. Whenever the carriages or locomotive come off the rails the hooks or brackets will come against the rods on the sides of the track and prevent the carriages from falling off.

In the accompanying drawings, Figure I is an end view of an elevated railway and carriage with my improvement attached. Fig. II is a side elevation of the same.

A represents the railway-track, and B the carriage.

To the sides of the track rods J J are arranged parallel with the rails, and supported by suitable brackets D D, firmly attached to the road-bed A.

To the carriage B hooks or brackets C are

firmly attached, encircling the rods J J on three sides, the brackets D being bent gooseneck-like, to allow the inner end, S, of the hooks C to encircle the inner sides of the rods J J. The hooks C must be made of sufficient size to allow the required clearance around the rods J J during the regular passage of the carriage.

It will be perceived that when the carriages are running regularly on the rails the hooks C will pass freely around the rods J, running parallel on each side of the track; but whenever the carriages become displaced, and should by any accident run off the rails, said hooks C will come in contact with the rods J, which will then hold the carriage and prevent the same from being thrown off sidewise.

What I claim as my invention, and desire to secure by Letters Patent, is—

The arrangement of rods J J, attached by suitable brackets to the sides of a rail-track, running parallel with the rails, in combination with hooks C C, attached to the sides of the carriages and locomotive, and surrounding said rods J J, substantially in the manner and for the purpose set forth.

CARL F. BUSCHNER.

Witnesses:

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