

J. BOOTH.  
CAR-REPLACERS.

No. 181,766.

Patented Sept. 5, 1876.

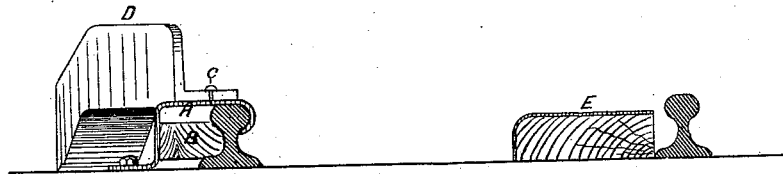
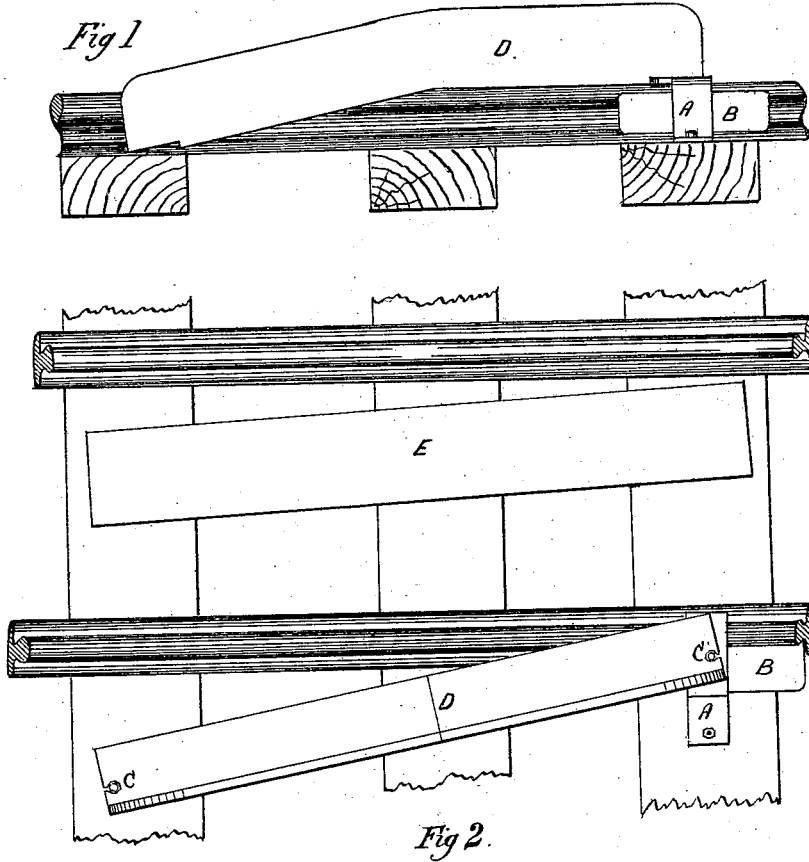


Fig 3.

Witnesses  
Wm B Bruce  
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att'y

# UNITED STATES PATENT OFFICE.

JOSEPH BOOTH, OF HAMILTON, ONTARIO, CANADA.

## IMPROVEMENT IN CAR-REPLACERS.

Specification forming part of Letters Patent No. **181,766**, dated September 5, 1876; application filed February 24, 1876.

*To all whom it may concern :*

Be it known that I, JOSEPH BOOTH, of the city of Hamilton, in the county of Wentworth, in the Province of Ontario, Dominion of Canada, have invented a certain new and useful Improvement on a Machine for Replacing Rolling-Stock upon a Railway-Track; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a side view of the invention. Fig. 2 is a plan of the same. Fig. 3 is an end view.

The object of my invention is to provide a stock-replacer which is simple and light in its construction, readily adjusted and fastened to the rail in such a manner that when in use the rail is not strained as it is by many of those now in use.

A is a wrought-iron clip, one end of which, when applied, fits over the head of the rail, the other or lower end being spiked to the sleeper. It may be further secured by a wooden wedge, B, or fastened to the rail by bolts. On the top of the clip A is riveted or otherwise fastened a stud, C. The replacer D is made of any suitable material, and is shaped as shown in the drawing, so that either end may

be placed on the stud C, a slot being made at each end for that purpose.

One end of the replacer D having been placed on the stud C, the other end is spiked to a sleeper, in such a position that the replacer will be at an angle to suit the wheel which is off the track. As an auxiliary to the replacer, I secure between the rails at an angle, and in a position to suit the wheel which is between the rails, a wedge-piece of wood, E, which, in order to preserve it, may be covered with iron.

As my invention is an improvement on others for the same purpose, it would be superfluous to explain how the car is replaced. Suffice it to say that my replacer guides by the "tread" and outside of the wheel, and not by the flange, as is done by other machines used for the same purpose—an improvement I consider of great importance.

Having thus described my invention, what I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the clip A, stud C, and replacer D, attached and placed as and for the purpose specified.

Hamilton, Canada, August 23, 1875.

JOSEPH BOOTH.

Signed in the presence of—

WM. BRUCE,

WM. B. BRUCE.