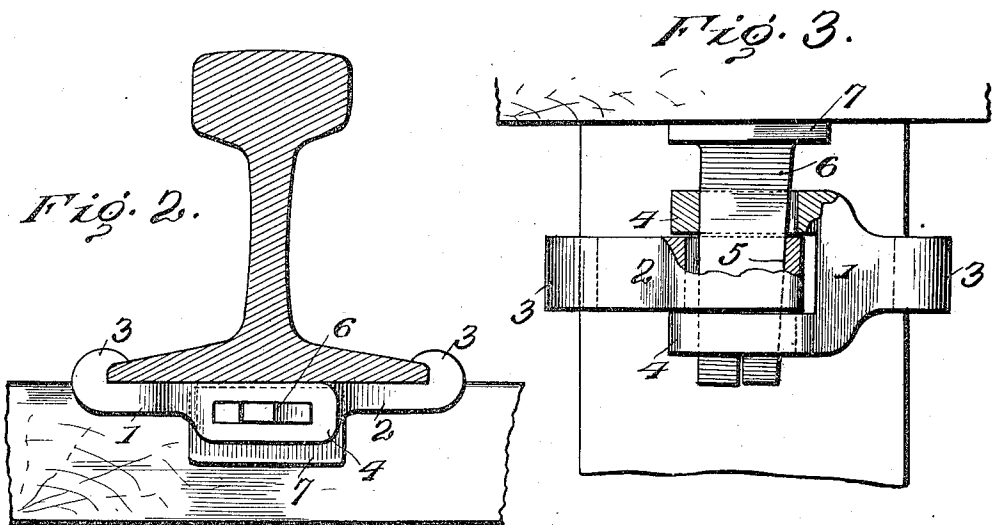
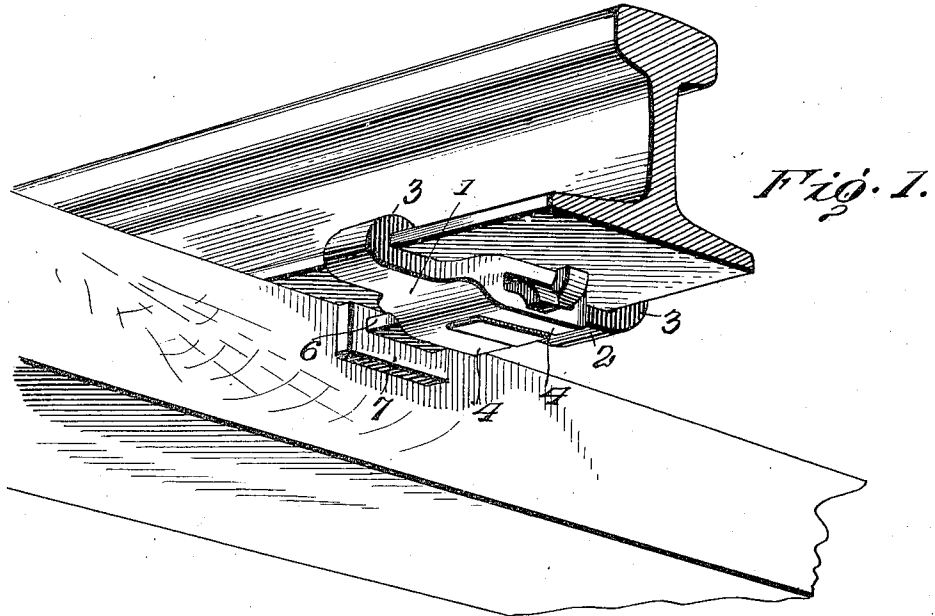


E. M. SMITH.
 ANTICREEPING DEVICE FOR RAILS.
 APPLICATION FILED MAR. 12, 1910.

981,323.

Patented Jan. 10, 1911.



Witnesses
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Francis S. McGuire

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UNITED STATES PATENT OFFICE.

EDGAR M. SMITH, OF NEW YORK, N. Y., ASSIGNOR TO OTTO R. BARNETT, OF CHICAGO, ILLINOIS.

ANTICREEPING DEVICE FOR RAILS.

981,323.

Specification of Letters Patent.

Patented Jan. 10, 1911.

Application filed March 12, 1910. Serial No. 548,793.

To all whom it may concern:

Be it known that I, EDGAR M. SMITH, a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Anticreeeping Devices for Rails; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide a strong, simple and highly efficient device for preventing the creeping of railway rails, and which will automatically tighten its hold on a rail when creepage occurs.

The invention will be hereinafter fully set forth and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in perspective. Fig. 2 is an end view. Fig. 3 is a bottom plan view.

My present device comprises two clamping members, 1 and 2, each of which is shown in the form of a plate having its outer end upturned to form a hook 3 for engaging the edge of a rail base, the hooks of the two plates being in line with each other. Both plates are designed to be passed beneath the rail, and the inner end of the plate of member 1 is formed with spaced-apart arms 4 to receive between them the inner end of the plate of member 2. In the latter, and also in the two arms, are formed coincident longitudinal slots, the wall 5 of the slot in member 2 being diagonal, while the other wall, as well as both walls of the slots of the two arms, are straight, or at right angles to the longitudinal axes of the two plates.

6 is a wedge having at one end a flat head 7, while its other end is split so that after the wedge is inserted through the coincident slots of the two clamping members it may be bent in opposite directions to prevent displacement. This wedge has a diagonal face on one side and a straight face on the other. The former is designed to engage the diagonal bearing surface of the slot of clamping member 2, while its straight edge bears against the straight walls of the slots of clamping member 1. In consequence, as the wedge is driven longitudinally it will act on member 2 and increase the hold of the clamping members on the rail. The

head of the wedge is designed to abut against the vertical face of a rail sleeper so that as creepage occurs the two clamping members will be automatically tightened.

The advantages of my invention will be apparent to those skilled in the art. It will be seen that by forming the wedge with a single diagonal face for cooperating with a single diagonal bearing surface of one clamping member the tightening of the clamp is insured when the wedge is moved longitudinally, the action thereof being directed primarily against one of the clamping members. As creepage occurs the head of the wedge will be forced against the face of the rail sleeper and the wedge thus caused to automatically tighten the clamp.

I claim as my invention:—

1. An anti-creeper for railway rails comprising two clamping members designed to engage a rail base at opposite sides thereof and to be extended beneath the rail and overlap at their ends, one member having at its inner end a transversely extended diagonal bearing surface, and the other member having two straight bearing surfaces, and a wedge having a diagonal face for engaging the diagonal bearing surface of the first mentioned member, a straight face for engaging the straight surfaces of the other member, and a flat head at one end for bearing against a rail sleeper.

2. An anti-creeper for railway rails comprising two plates hooked at their outer ends and with their inner ends overlapping, said end of one plate having spaced-apart arms to accommodate the said end of the other plate, said overlapping ends having coincident longitudinal slots, the walls of the slots of said arms being straight and one wall of the slot of the other plate being diagonal, and a wedge designed to project through said slots having one straight face and a diagonal face, said wedge at one end being designed to engage a rail sleeper and at its other end split so that it may be bent in opposite directions.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

EDGAR M. SMITH.

Witnesses:

ROBERT S. ANDERSON,
THOMAS J. PURCELL.