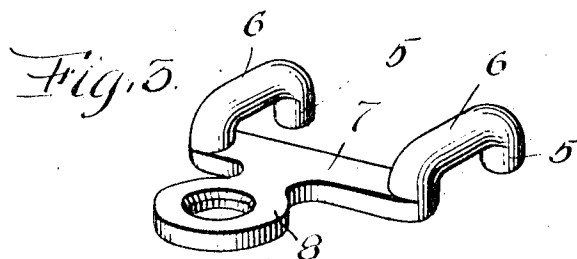
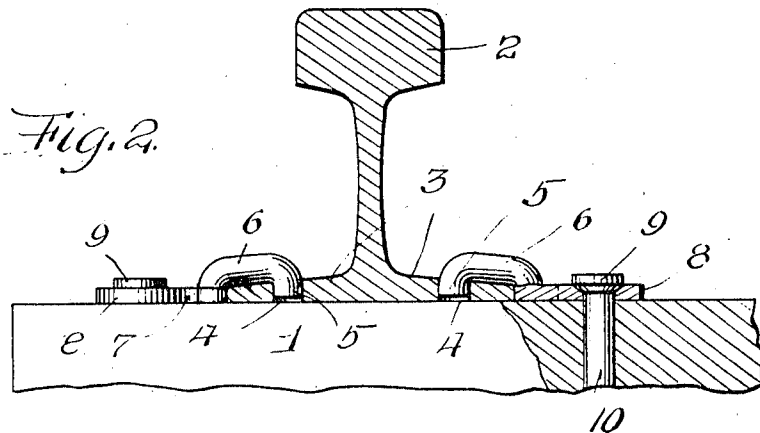
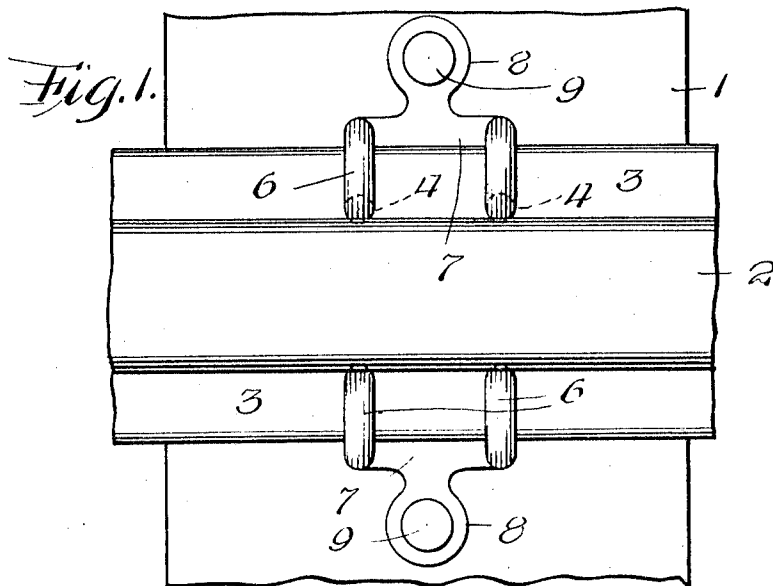


G. HALINKA.
RAIL FASTENER.

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1,035,582.

Patented Aug. 13, 1912.



WITNESSES

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UNITED STATES PATENT OFFICE.

GEORGE HALINKA, OF ALLIANCE, OHIO.

RAIL-FASTENER.

1,035,582.

Specification of Letters Patent.

Patented Aug. 13, 1912.

Application filed March 14, 1912. Serial No. 683,807.

To all whom it may concern:

Be it known that I, GEORGE HALINKA, a subject of the King of Hungary, residing at Alliance, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Rail-Fasteners, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to rail fasteners, and the objects of my invention are, first, to obviate the necessity of using spikes as a fastening means for rails; second, to provide a fastener that is durable and not liable to injury by ordinary use; third, to provide a fastener that will preserve the alinement of rails and prevent longitudinal and vertical displacement, and fourth, to provide a fastener that is inexpensive to manufacture and highly efficient for the purposes for which it is intended.

I attain the above objects by a mechanical construction that will be hereinafter specifically described and then claimed.

Reference will now be had to the drawing, wherein:—

Figure 1 is a plan of the rail fastener in accordance with this invention, Fig. 2 is a side elevation of the same, partly broken away and partly in section, and Fig. 3 is a perspective view of one of the fasteners.

The reference numeral 1 denotes a portion of a tie of the ordinary and well known construction, and this tie can be made of wood or metal to provide a firm support for a rail 2. The rail 2 has the base flanges 3 thereof provided with sets of vertical openings 4 and engaging in these openings are the bills 5 of hooks 6 carried by fastener members 7. The fastener members 7 are arranged against the longitudinal edges of the flanges

3 and the hooks 6 are carried by the ends thereof. Each fastener, intermediate the ends thereof, has the outer edge provided with a horizontal apertured extension or eye 8 and this eye is retained upon the tie 1 by the head 9 of a rivet or bolt 10 that passes through the tie. The rivets or bolts 10 retain the fasteners in position against the longitudinal edges of the flanges 3, and the hooks 6 anchor the base flanges 3 of the rail relatively to said fasteners, said hooks preventing vertical displacement, while the fasteners 7 prevent lateral displacement.

The fasteners can be made of light and durable metal, and it is preferable to oppositely dispose the same, whereby the base flanges 3 will be held at opposite points and the rail prevented from shifting upon the surface of the tie.

What I claim is:—

In a rail fastener, the combination with a tie, and a rail supported by said tie and having the base flanges thereof provided with sets of openings, of fasteners arranged against the longitudinal edges of the flanges of said rail, hooks carried by the ends of said fasteners and having the bills thereof engaging in the openings of the base flanges of said rails, apertured extensions carried by the outer edges of said fasteners intermediate the ends thereof, and bolts mounted in said tie and having the heads thereof engaging in said apertured extensions to retain said fasteners upon said tie.

In testimony whereof I affix my signature in the presence of two witnesses.

GEORGE HALINKA.

Witnesses:

N. L. BOGAN,
MAX H. SROLOVITZ.