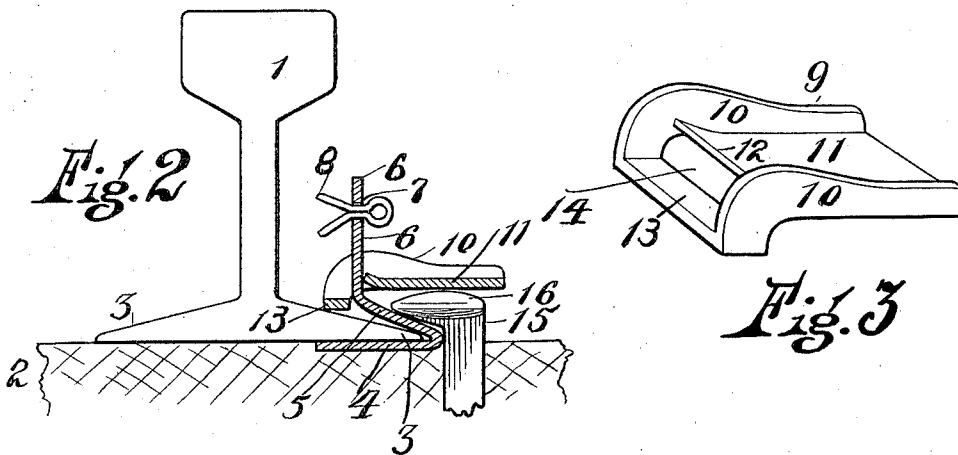
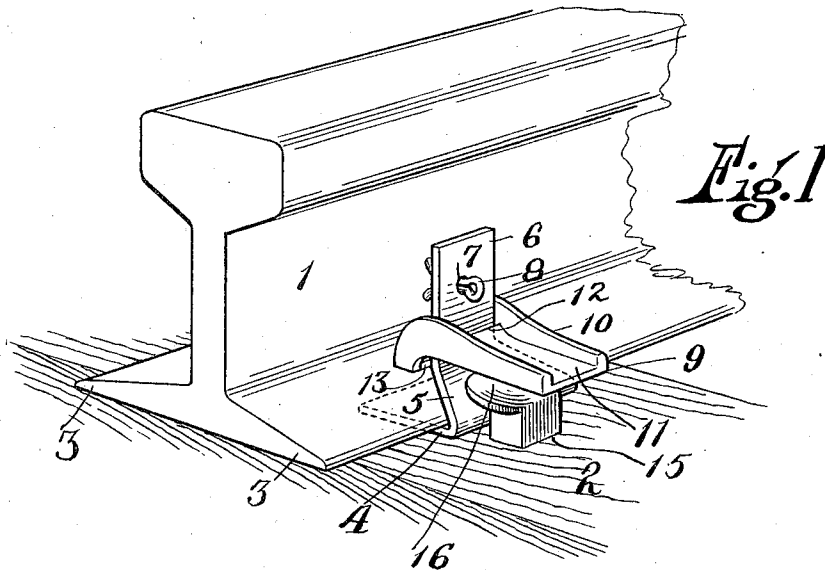


G. W. WRIGHT.
SPIKE HOLDER.
APPLICATION FILED APR. 12, 1912.

1,038,704.

Patented Sept. 17, 1912.



Witnesses:

Austin B. Nason

G. L. McIntock

INVENTOR-
George W. Wright,

By C. E. Humphrey,
ATTORNEY.

UNITED STATES PATENT OFFICE.

GEORGE W. WRIGHT, OF AKRON, OHIO.

SPIKE-HOLDER.

1,038,704.

Specification of Letters Patent.

Patented Sept. 17, 1912.

Application filed April 12, 1912. Serial No. 690,286.

To all whom it may concern:

Be it known that I, GEORGE W. WRIGHT, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented new and useful Improvements in Spike-Holders, of which the following is a specification.

This invention relates to a holding device for spikes, especially spikes used for holding railroad rails on ties, and the object thereof is to provide a simple and effective device to prevent the spike from working upwardly out of the tie and also to constitute a shield for preventing, to a certain extent, the entrance of moisture into the tie along the sides of the spikes.

With the foregoing and other objects in view, the invention consists in the novel construction, combination and arrangement of parts constituting the invention to be hereinafter specifically described and illustrated in the accompanying drawings which form a part hereof wherein is shown the preferred embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to which come within the scope of the claims hereunto appended.

In the drawings in which similar reference numerals indicate like parts in the different figures Figure 1, is a perspective view of my improved spike-holder in operative position with respect to a rail and tie; Fig. 2, is a transverse, vertical, sectional view of the device shown in Fig. 1; and, Fig. 3, is a perspective view of a portion of the mechanism employed.

Referring to the drawings in detail, the reference numeral 1 denotes a rail seated upon a tie 2, the rail being provided with the usual base flanges 3.

My device embodies a member preferably formed of bent sheet-metal embodying a flat base-portion 4 which is inserted under the rail and rests on the upper face of the tie. Extending upwardly and at an acute inclination with the base 4 is a portion 5, the inclination of which is such as to provide a V-shaped member and of suitable conformation to partially inclose the lateral portion of the base flange. Extending approximately vertically from the portion 5 is an upright portion 6 preferably provided with one or more openings 7 to receive a detachable cotter-pin 8. Mounted on the upright portion 6 is a vertically shiftable member

9 hereinafter designated as a keeper, usually comprising side flanges 10 united by an approximately flat web 11 preferably having at one end a slightly upturned edge 12. Below the web 11 and connected to the ends of the flanges 10 is a cross-bar 13 separated from the edge 12 to provide an opening 14 between them. The edge 12 is above the bar 13 and is adapted in coöperation with one edge of the bar 13 to constitute a clamping member adapted to engage the upright portion 6 when the longer end of the keeper 9 is raised, but when the application of force for the raising of the keeper 9 is applied near the cross-bar 13 the keeper 9 may be easily raised without engaging the upright portion 6.

In practice, the base portion 4 is forced under the rail and a spike 15 is then driven adjacent to the rail in such a position that the head 16 thereof will preferably rest on the inclined portion 5, after which the keeper 9 is positioned by passing the same downwardly over the upright portion 6, which passes upwardly through the opening 14. The web 11 of the keeper 9 is adapted to rest on the head of the spike and prevent its unintentional working upwardly and also constitutes a form of shield for turning aside rain and moisture and preventing their entering the tie around the sides of the spike. In order to prevent unintentional removal of the keeper 9 I customarily insert a cotter-pin in the opening 7.

I claim:

1. The combination with a rail and tie of a V-shaped member one leg of which is positioned under the flange of the rail and with its companion member immediately above said flange, said companion provided with an upright portion and a keeper shiftable mounted on the upright portion with its extended end adapted to rest on the head of a spike for holding the latter against upward movement.

2. The combination with a rail and tie of a member adapted to be inserted under and be forced downwardly by the weight of the rail, said member provided with an upright portion, and a vertically shiftable keeper on said upright portion adapted to engage the head of a spike used for holding a rail, to hold the former against upward movement.

3. A device for holding spikes in position comprising a member engaging under and forced downwardly by a rail, said member

embodying an upwardly-extending portion, and a vertically shiftable keeper on said upright portion a portion of which is arranged to rest on the head of a spike for holding the same against upward movement.

4. A device for holding railroad spikes in position embodying a member engaging under the flange of the rail and provided with an upwardly-extending portion, a keeper shiftably mounted on said upright portion and arranged to engage the head of the spike, said keeper provided with means engaging said upright portion of said member to prevent its unintentional upward movement.

5. A device for holding railroad spikes against upward movement embodying a

member adapted to be engaged and forced downwardly by the flange of the rail, said member provided with an upright portion, a keeper mounted on said upright portion adapted to be freely movable in a downward direction and adapted to engage said upright portion to prevent its unintentional upward movement, said keeper provided with a portion adapted to engage the head of a spike.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

GEORGE W. WRIGHT.

Witnesses:

C. E. HUMPHREY,

A. L. McCLINTOCK.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."