H. T. CORY.

RAIL CLIP.

APPLICATION FILED NOV. 12, 1912.

1,063,859. Patented June 3, 1913.

Fig. 1.

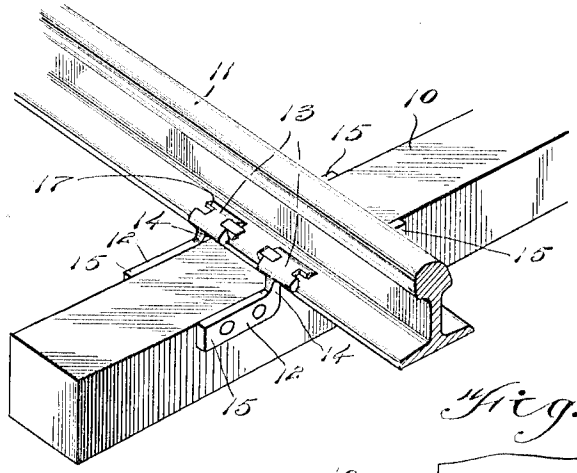


Fig. 2.

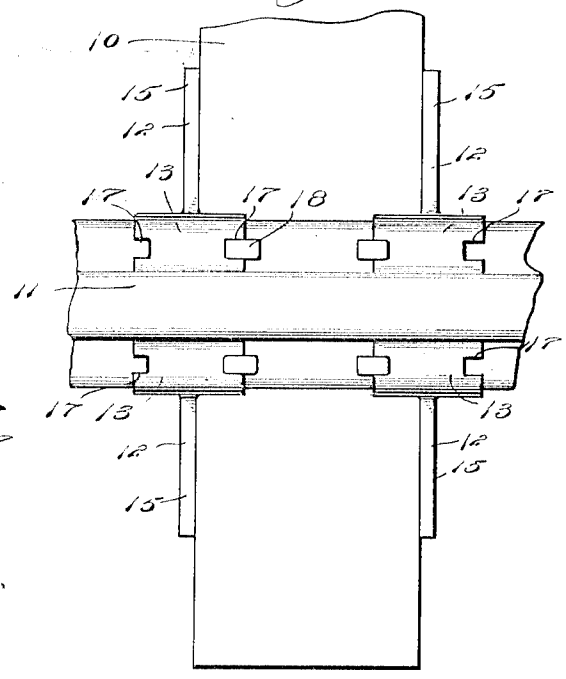
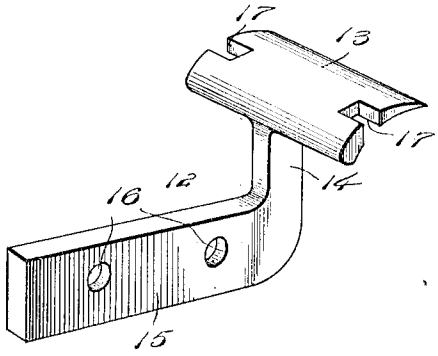


Fig. 3.



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RAIL-CLIP.

1,063,859. Specification of Letters Patent. Patented June 3, 1913.

Application filed November 12, 1912. Serial No. 730,943.

To all whom it may concern:

Be it known that I, HENRY T. CORY, a citizen of the United States, residing at Dexter, in the county of Jefferson and State of New York, have invented new and useful Improvements in Rail-Clips, of which the following is a specification.

The invention relates to railways and has for an object to provide a clip for securing a rail to the tie thereof.

The invention embodies, among other features, a clip preferably formed of a single piece of metal and which has rigid connection with a tie, with a portion or head of the clip overlapping the base of the rail and secured thereto by spikes, the clips being preferably arranged in pairs in order to prevent the spikes from becoming loose or disengaged from the tie and also to hold the rail firmly to the tie.

In the further disclosure of the invention reference is to be had to the accompanying drawings, constituting a part of this specification, in which similar characters of reference denote corresponding parts in all the views, and in which:

Figure 1 is a fragmentary perspective view of a tie showing a rail mounted thereon and secured by means of my clips; Fig. 2 is a plan view; and Fig. 3 is a perspective view of one of the clips.

Referring more particularly to the views, I disclose a tie 10 on which is mounted a rail 11 and secured to the tie and overlapping the base of the rail 11 are clips 12, the said clips being preferably arranged in pairs with a pair of clips on each side of the rail and engaging the same to secure the rail firmly to the tie.

The clips 12 each consist of a single piece of metal comprising a head 13 having a shovel-like shape, the said head being adapted to lie horizontally on the upper face of the base of the rail. The head 13 terminates in a reduced shank 14 and a plate 15 provided with transversely extending apertures 16, the said shank 14 and plate 15 being formed or bent to lie in a vertical plane when the clip 12 is secured to the tie 10, the said clip being secured to the tie by passing suitable bolts through the apertures 16 in the plate 15.

The head 13 is preferably provided with recesses 17 and when the clip is secured to the tie with the head 13 overlapping the rail as shown, spikes 18 are driven into the tie with the heads of the spikes projecting into the recesses 17, thus not only securing the spikes in position but also firmly holding the rail to the tie so that if, through the pressure exerted by a train passing over the rail, the tie and rail should be displaced, when the rail rebounds to assume its normal position the tie will also move upwardly therewith, owing to the provision of the clips 12 connecting the rail and tie, thus preventing the spikes 18 from becoming loose or disengaged from the tie. It should be noted that in forming the clip 12, the shank 14 lies in the vertical plane of the plate 15 and the head 13 lies in a plane perpendicular to the plane of the shank 14 and plate 15.

Having thus described my invention, I claim:

A rail clip for securing the rail to the tie thereof, comprising a single piece of material bent to form a head provided with recesses adapted to receive spikes therethrough for securing the head to the rail and securing the rail on the tie, a reduced shank formed at the inner end of the head and projecting downwardly therefrom, and a plate projecting rearwardly and laterally from the said shank and provided with transversely extending apertures adapted to receive bolts therethrough for rigidly securing the clip to the tie.

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

HENRY T. CORY.

Witnesses:
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B. F. VOSLER.

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