

S. GASSER.
RAIL HOLDER.

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1,059,859.

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Fig. 1.

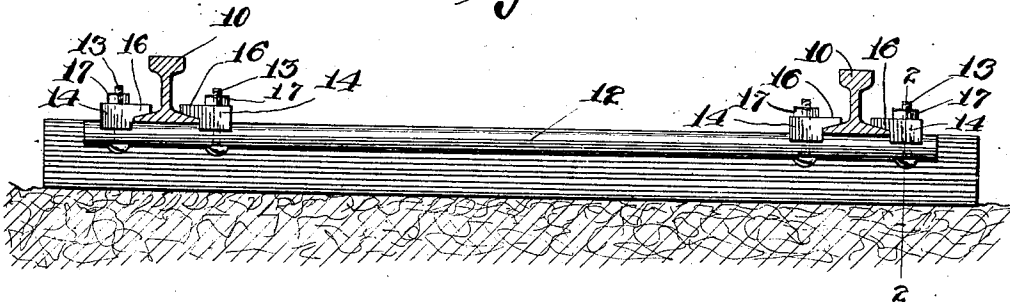


Fig. 2.

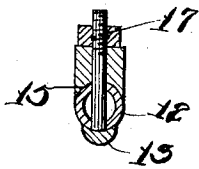


Fig. 4.

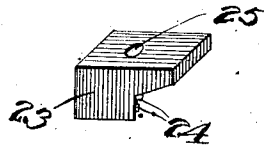


Fig. 3.

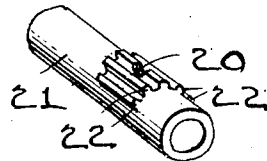
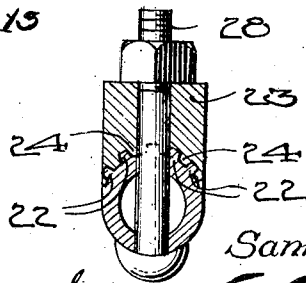


Fig. 5.

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RAIL-HOLDER.

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To all whom it may concern:

Be it known that I, SANFORD GASSER, a citizen of the United States, residing at Sherman, in the county of Wexford and State of Michigan, have invented certain new and useful Improvements in Rail-Holders, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to rail bonds and is used to connect railroad rails between the ties, the object of the invention being to prevent the rails from spreading.

In the drawings I have shown a number of modified forms of this rail bond but it is to be noted that they all work on the same principle, the bar being placed beneath the rails and the rail engaging blocks being then connected with the bar, with their overhanging ends engaging the bases of the rails.

In the accompanying drawings, like characters of reference indicate like parts in the several views, and: Figure 1 is a side elevation of the rail bond with the rails shown in section. Fig. 2 is a sectional view taken through the rail bond along the line 2-2, Fig. 1. Fig. 3 is a view similar to Fig. 2 showing a modified form of bar and block. Fig. 4 is a perspective view of the block shown in Fig. 3. Fig. 5 is a perspective view of one end of the bar which is shown in Fig. 3.

Referring to the accompanying drawings it will be seen that this device is intended to be used to connect the rails 10 between the ties 11 so that danger of the rail spreading in case the securing spikes work loose is eliminated. It very often happens that the spikes which connect the rails with the ties work loose and the rails become spread so that trains are wrecked, thus causing a great loss of property and life.

In Figs. 1 and 2 I have shown one form of rail bond in which there is provided the hollow bar 12 which is provided with openings adjacent each end through which securing bolts 13 are passed. A block 14 which is pro-

vided with a curved lower face 15 is placed upon each of the bolts 13 and has its overhanging lip 16 engaging the rail base so that the bar 12 will be rigidly connected with the rails. Nuts 17 are screwed upon the bolts, and the blocks are securely held in place. It will thus be seen that after the rail bond is in position that the rails cannot spread, they being held in spaced relation by the blocks mounted upon the ends of the bar 12, and thus be prevented from either spreading or moving toward each other.

In Figs. 3, 4 and 5 I have shown a modification, the bar 21 being hollow similar to the bar 12, but being provided with longitudinally extending ribs 22 at the points at which the rail engaging blocks 23 rest. These blocks 23 are provided with curved lower faces from which there extends the ribs 24 which fit between the ribs 22. The blocks 23 are each provided with an opening 25 which registers with an opening 20 formed in the bar 21 so that the securing bolt 27 may be passed through the bar and block to securely hold the block in place. It should be noted that these ribs 22 and 24 prevent any lateral play of the block upon the bar, thus preventing the nut 28 from working loose.

Having thus described the invention, what is claimed as new, is:—

A device of the character described, comprising a bar having perforations adjacent to each end, rail engaging blocks at each end of said bar having their lower faces curved to fit the contour of the bar, said blocks being provided with openings registering with the openings formed through said bar, and securing bolts passing through said bar and blocks to hold said blocks in position.

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

SANFORD GASSER.

Witnesses:

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