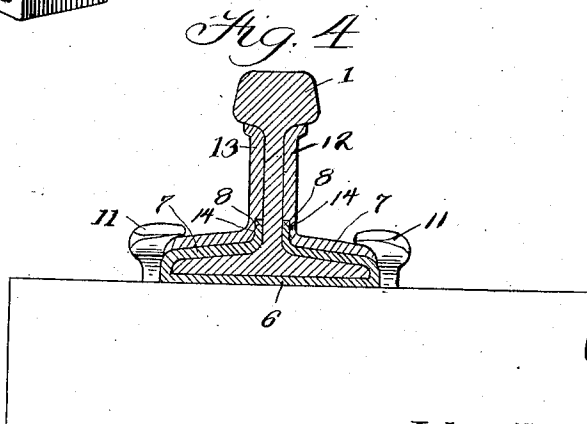
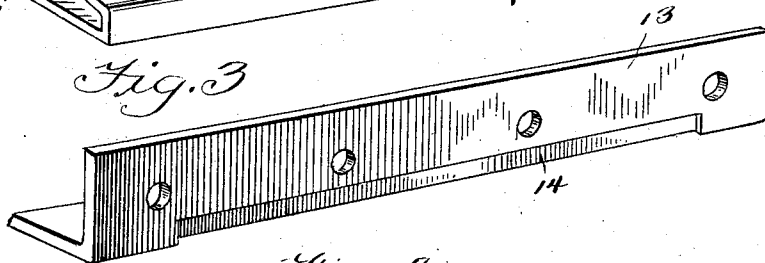
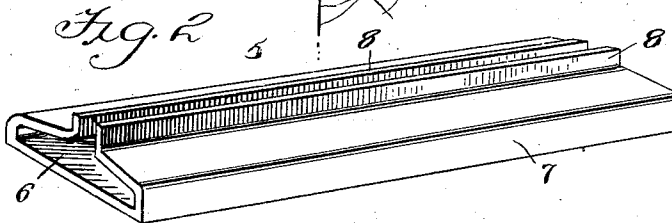
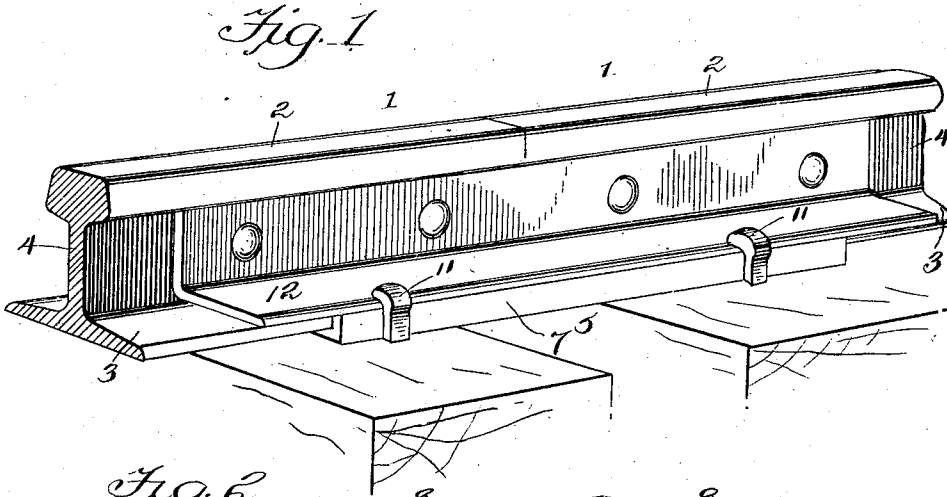


J. P. CURRIN.
RAILROAD SPLICE BAR.
APPLICATION FILED AUG. 5, 1910.

992,757.

Patented May 23, 1911.



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RAILROAD SPLICE-BAR.

992,757.

Specification of Letters Patent.

Patented May 23, 1911.

Application filed August 5, 1910. Serial No. 575,719.

To all whom it may concern:

Be it known that I, JOHN P. CURRIN, a citizen of the United States, residing at Pulaski, in the county of Pulaski and State of Virginia, have invented new and useful Improvements in Railroad Splice-Bars, of which the following is a specification.

This invention relates to joints for railway rails, and the object of the invention is to provide a device of this character which may be easily and quickly applied to the meeting ends of a pair of rails, and which will effectively support the same against lateral or longitudinal movement.

Another object of the invention is to provide a device of this character which will prevent the sinking of the rails, due to the rolling stock passing thereover, thus materially adding to the life of the rails as well as to the comfort of the traveling public.

With the above, and other objects in view, which will appear as the description progresses, the invention resides in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings there has been illustrated and described a preferred embodiment of the improvement, and in which drawings,

Figure 1 is a perspective view of the improved joint. Fig. 2 is a similar view of the base plate. Fig. 3 is a similar view of one of the fish plates. Fig. 4 is a transverse section through the joint.

Referring to the drawings the numeral 1 designates the meeting ends of a pair of rails. These rails 1 are each constructed in the ordinary manner, comprising heads 2, base flanges 3, and webs 4. The webs are also provided with the usual transversely arranged longitudinal holes, which are adapted for the reception of the securing bolts whereby the fish plates, hereinafter to be described, are connected therewith.

The numeral 5 designates the chair or base plate. This plate 5 comprises a horizontally straight base portion 6, the same being provided upon each of its longitudinal sides with an overlying rail flange engaging member 7. Each of these members 7 is provided with a longitudinally extending ver-

tical member 8 which is arranged upon the inner wall of the overlying flange. The longitudinal edges of the chair 6 are adapted for the reception of spikes 11, and the said spikes have their heads turned inwardly so as to contact the lower edges of the fish plates 12 and 13. These fish plates 12 and 13 are of a considerably greater length than the chair 6, and each of the said fish plates has its lower inner wall provided with a depression or pocket 14, the same being adapted to fit snugly over the vertical extensions 8 of the rail chair. The fish plates 12 and 13 have their upper extremities provided with suitable rounded openings adapted for the reception of securing bolts.

From the above description, taken in connection with the accompanying drawings, it will be noted that by providing the device as above described, the fish plates 12 and 13 may be easily and quickly removed from the chair if desired, that the device is simple, cheap to manufacture as well as durable and efficient, and while I have illustrated and described the preferred embodiment of the improvement, as it now appears to me, changes in the minor details of construction, within the scope of the following claims may be resorted to if desired.

Having thus fully described the invention, what I claim as new is:—

1. In combination with the meeting ends of a pair of rails, a chair member having longitudinal flanges for the base flanges of the rails, said chair member having the inner extremities of its flanges provided with vertical longitudinally extending portions, fish plates each being provided with a longitudinally extending pocket adapted to engage the vertical members of the chair, and means for retaining the fish plates upon the chair and upon the rails.

2. In combination with the meeting ends of a pair of rails, of a chair member for said rails, said chair member comprising a horizontally straight base portion having its longitudinal edges provided with rail flange engaging flanges, the inner edge of each of the said flanges having a vertical longitudinally extending member, fish plates, each of said fish plates having its inner lower edge

provided with a pocket adapted to receive the vertical members of the chair, said fish plates being of a greater length than the chair, said fish plates being provided with a plurality of openings adapted for the reception of rail securing members, and spikes adapted to have their heads contact and to force the pockets of the fish plates into en-

gagement with the vertical members of the chair.

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

JOHN PHILPOT CURRIN.

Witnesses:

J. C. WYSON,
GELLIE WILSON.

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