

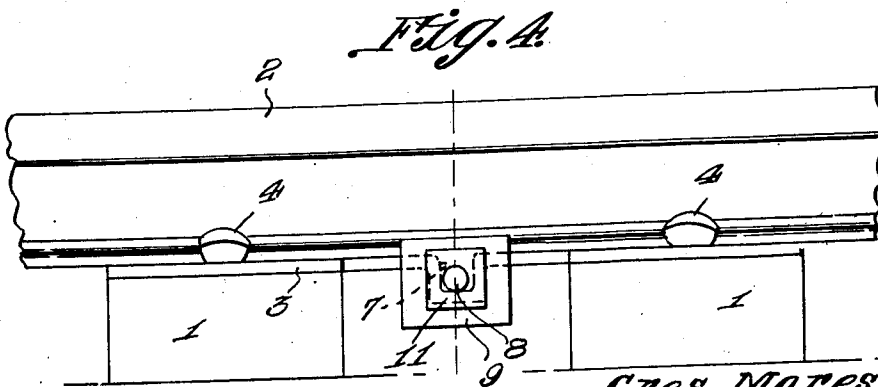
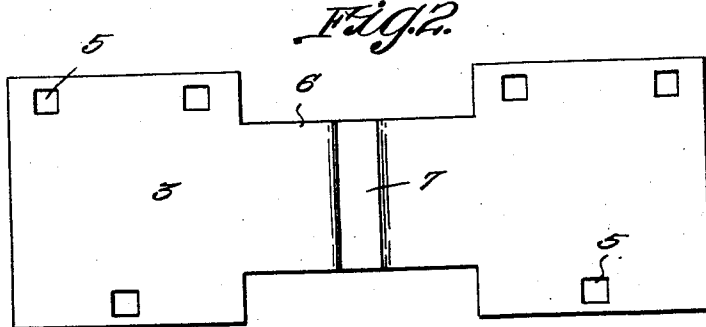
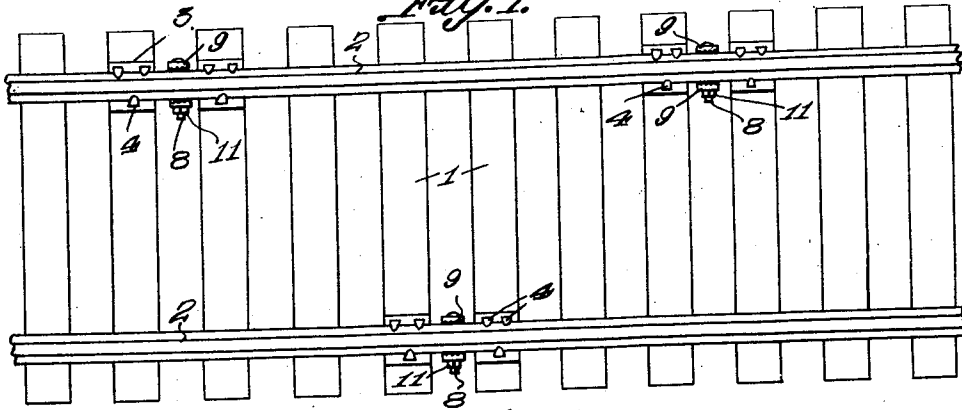
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1,664,458

C. MARES

ANCHOR PLATE

Filed Jan. 14, 1927



Leah Davis
WITNESS:

Cres Mares, INVENTOR
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UNITED STATES PATENT OFFICE.

CRES MARES, OF CORONA, NEW MEXICO.

ANCHOR PLATE.

Application filed January 14, 1927. Serial No. 161,147.

The object of this invention is the provision of simple, cheap but thoroughly effective means for holding railway rails from creeping and for preventing the canting or side movement of such rails.

A further object is the provision of means for this purpose which comprise plates spiked to the rail supporting ties, at suitable points away from the joints of the rails, each of said plates bridging the space between two ties and having means adjustably and removably secured thereto at the center thereof for gripping and otherwise engaging the rails to effectively hold the same from creeping or tilting.

To the attainment of the above broadly stated objects and others which will present themselves as the nature of the invention is better understood, the improvement also resides in certain other novel features of construction, combination and operative association of parts, one satisfactory embodiment of which is disclosed by the accompanying drawings.

In the drawings.

Figure 1 is a top plan view of a railway track embodying my improvement.

Figure 2 is a plan view of one of the plates employed.

Figure 3 is an edge view thereof.

Figure 4 is a side elevation, on an enlarged scale, illustrating the application of the improvement.

Referring now to the drawings in detail, the numerals 1 designate the ties upon which the rails 2 of a railway track rest. At desired intervals the rails may be spiked to the ties and also the meeting ends of the rails may be connected in the usual manner.

In carrying out my invention I make use of plates 3 on which the rails rest. The plates may be positioned at predetermined points throughout the length of the track and the plates 3 are of a length to rest upon two of the ties 1 and to be spiked on said ties, as disclosed by the drawings. The

spikes 4 which pass through openings 5 in the plates 3 contact with the edges and with the base flanges of the rails adjacent the edges thereof. As disclosed by the drawings each plate 3 is centrally notched from the edges thereof to provide a central narrow portion 6. The narrow portion or web which connects the widened ends of the plates 3 is formed with a transverse channel 7 that enters from its upper face. Passing through each of these channels 7 there is a bolt 8. On the opposite ends of the bolts 8 there are blocks 9. Each block has its inner or confronting face toothed, as at 10. Each bolt is engaged by a nut 11. By screwing home the nuts 11 the gripping plates 9 will be forced by the said nuts and by the heads of the bolts into biting engagement with the edges of the base flanges of the rails and web 6 and thereby effectively hold the rails from creeping as well as from lateral or tilting movement. As many anti-rail creeping devices as desired may be employed throughout the length of the track but from practice I have found that one of such devices arranged at approximately the center of each rail of the track will effectively hold the rails from creeping or from canting.

Having described the invention, I claim:—

The combination with the rails of a railway track and ties on which the rails rest, of plates of a length to rest on two of such ties and to receive the rails thereon, spikes passing through the plates and contacting with the base flanges of the rails, each of said plates having a central reduced portion of a width equaling that of the base flange of the rail and said reduced portion having a transverse channel therethrough, a bolt seated in the channel and having rail engaging means on one end thereof, and a nut screwed on the second end of the bolt to contact with the edge of the plate and with one edge of the base flange of the rail.

In testimony whereof I affix my signature.
CRES MARES.