L. TRITICO.

RAIL DEVICE.

APPLICATION FILED AUG. 1, 1912.

1,057,304. Patented Mar. 25, 1913.

Fig. 1.

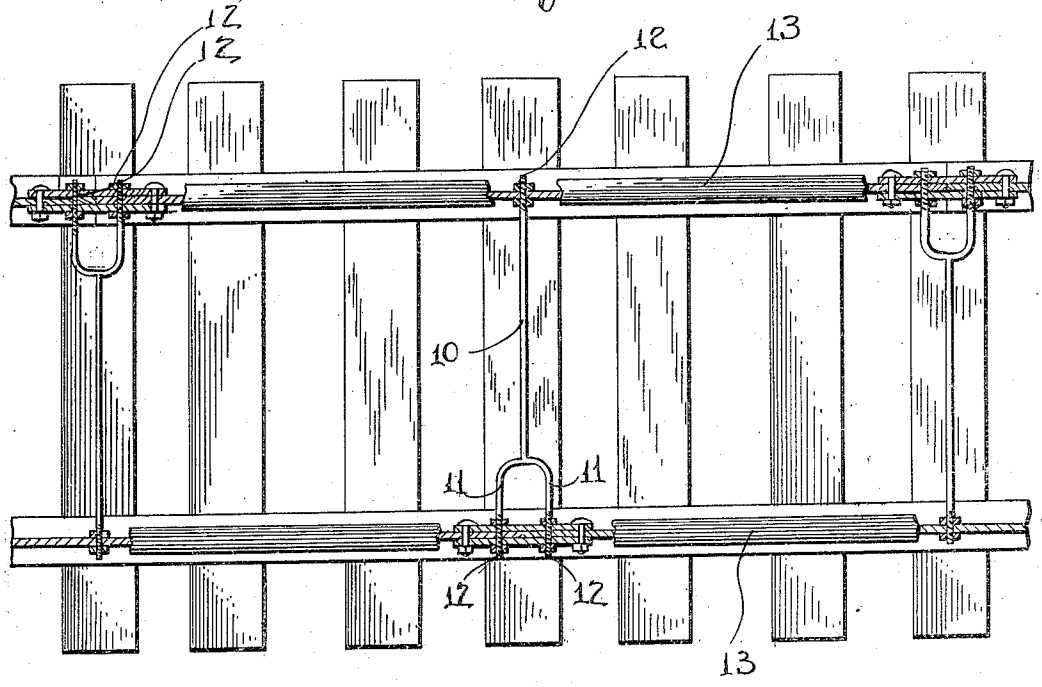



Fig. 2

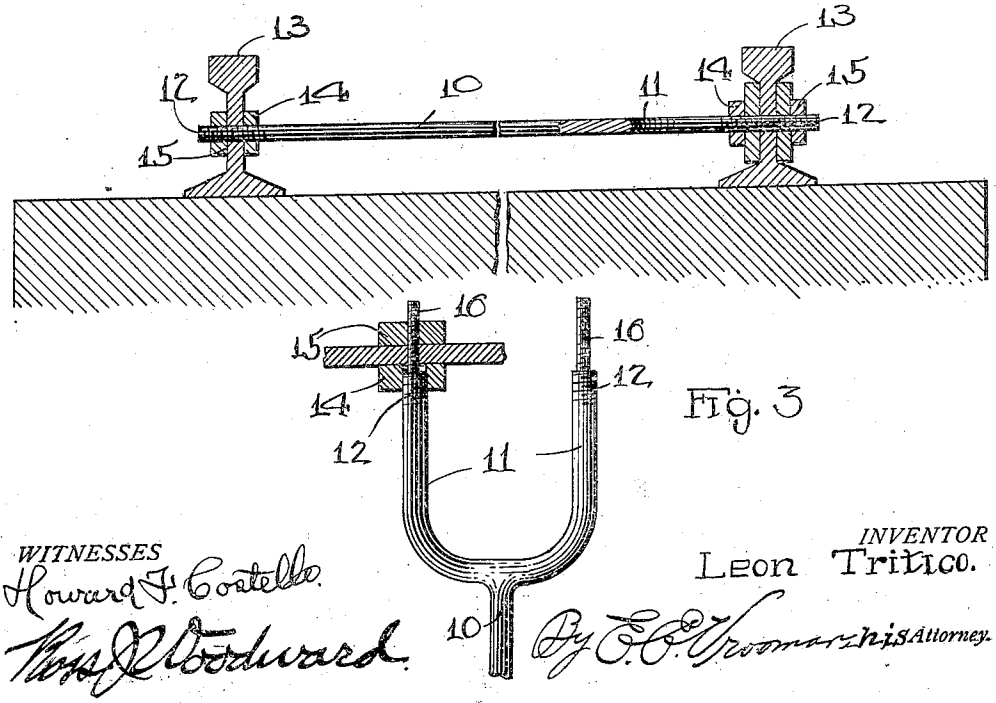



Fig. 3

WITNESSES

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# UNITED STATES PATENT OFFICE.

LEONARD TRITICO, OF STONE CITY, TEXAS.

## RAIL DEVICE.

1,057,304. Specification of Letters Patent. Patented Mar. 25, 1913.

Application filed August 1, 1912. Serial No. 712,743.

*To all whom it may concern:*

Be it known that I, LEONARD TRITICO, a citizen of the United States, residing at Stone City, in the county of Brazos and State of Texas, have invented certain new and useful Improvements in Rail Devices, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a rail securing device and the principal object of the same is to provide a rail securer which will prevent the rails from spreading and thus prevent accidents. It is a well known fact that a very great number of accidents are caused by the rails working loose from the spikes in the ties and spreading so that when a train passes over the track the wheels jump the track and thus cause the train to be wrecked. This invention will prevent this, since the rails are connected by solid bars of metal which will prevent the rails from either spreading apart or moving toward each other.

In the accompanying drawings:—Figure 1 is a top plan view of a section of a railroad track, portions of the rail being shown in section to show the manner of connecting the device with the rails. Fig. 2 is a sectional view showing the manner of connecting the device with the rails. Fig. 3 is an enlarged view of one end of one of the devices and illustrates a slightly modified manner of forming the ends of the device.

Referring to the accompanying drawings it will be seen that this invention comprises a bar 10 having one end portion provided with the forks 11. The end of the bar 12 and the ends of the forks 11 are threaded as shown at 12, and these threaded ends pass through the webs of the rails 13 so that when the nuts 14 and 15 are screwed tightly into place, the rails will be very securely held in their proper spaced relation. It should be noted that by having the bar 10 provided with the forks 11 that the device is a great deal strengthened, since it is prevented from having any side play which would tend to work the nuts loose. When using this device the threaded ends of the bar 10 and forks 11 are passed through openings formed in the rails, the nuts 14 having first been placed upon the threaded end portions of the device. The nuts 15 are then screwed into place and after the rails have been secured in the proper spaced relation by means of the usual spikes, the nuts 14 are turned until they come in contact with the webs of the rails and the nuts are then tightened until they are turned very tightly into place. It should be noted that when the nuts 15 are turned tightly into place that they cause the threads of the nuts 14 to bind with the threaded ends of the device thus locking the nuts 14 in place. The nuts 15 may be locked in place by any suitable means desired and it will thus be seen that when the device is once in place it will be held very securely.

In Fig. 3 there has been shown a slightly modified form of the device in which the threaded ends of the device are provided with the reduced end portions 16. The nuts 14 are screwed upon the larger threaded end portions of the device and the reduced end portions 16 are then passed through the webs of the rails and the nuts 15 then tightly screwed into place so that the device will be held securely in place. It will thus be seen that this modification operates in the same manner as the form shown in Figs. 1 and 2, but that the end portions of the device are constructed in a slightly different manner. From inspection of Fig. 1 it will also be seen that when these devices are in use it is preferable to have the forked ends of one of the devices extending in the opposite direction from the forked ends of the adjoining devices, thus greatly strengthening the rails and assisting each other in holding the rails in place.

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

1. A device of the character described comprising a bar having a threaded end portion, and forks extending from the opposite end portion of said bar and provided with threaded end portions, clamping nuts being adapted to be screwed upon the threaded ends of said bar and forks to securely hold said device in position.

2. A device of the character described comprising a bar having one end portion threaded and the opposite end portion bifurcated to provide a pair of arms, the arms

being provided with threaded end portions, and clamping nuts threaded upon the end portions of said bar and arms.

3. A device of the character described comprising a bar, and forks extending from one end of said bar, the ends of said forks and bar being threaded and terminating in reduced threaded end portions, and clamping nuts for the threaded end portions of said bar and forks.

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

LEONARD TRITICO.

Witnesses:
G. W. McKNIGHT,
V. P. COURT.

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