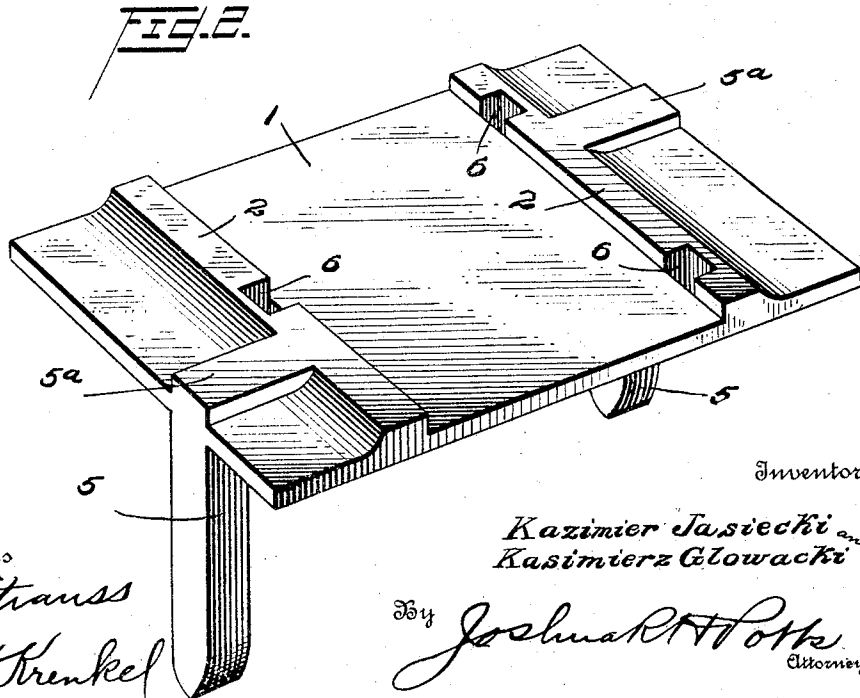
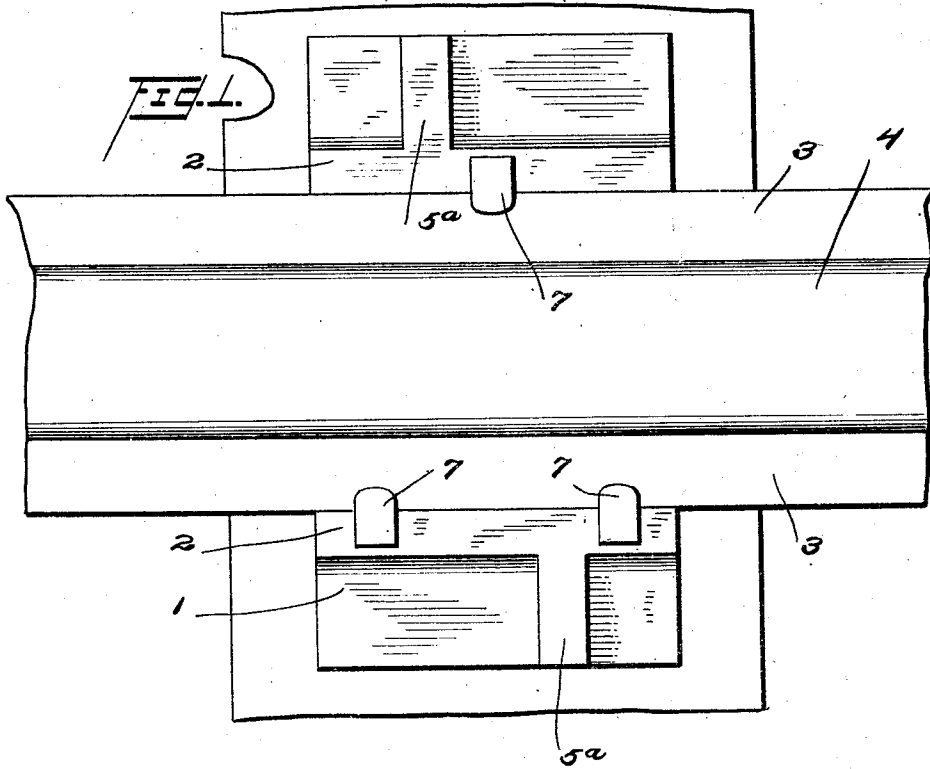


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RAIL SUPPORTING PLATE.
APPLICATION FILED FEB. 10, 1912.

1,024,855.

Patented Apr. 30, 1912.



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RAIL-SUPPORTING PLATE.

1,024,855.

Specification of Letters Patent.

Patented Apr. 30, 1912.

Application filed February 10, 1912. Serial No. 676,733.

To all whom it may concern:

Be it known that we, KAZIMIER JASIECKI and KASIMIERZ GLOWACKI, citizen of the United States and subject of the Czar of Russia, respectively, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Rail-Supporting Plates; of which the following is a specification.

Our invention relates to improvements in rail supporting plates, the object of the invention being to provide a plate of this character which not only sustains the wear of the rail on the tie, but also prevents any possibility of the rail moving laterally with relation to the tie, and therefore prevent what is known as spreading rails and accidents incident thereto.

A further object is to provide a plate of this character which is made with integral spikes which are driven into the tie by means of a sledge or other hammer, and securely hold the plate against possibility of movement.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings: Figure 1, is a plan view illustrating our improvements, and Fig. 2, is a perspective view of the plate removed.

1, represents our improved rail supporting plate which is made with parallel enlargements 2 of substantially the same thickness as the base flange 3 of an ordinary rail 4, and these enlargements 2, 2, are spaced apart just the proper distance to receive the base flange 3 between them and prevent any lateral movement of the rail, independent of the plate. This plate 1, at its ends, is provided with downwardly projecting integral spikes 5, one spike being located at each end, and said plate is enlarged on its upper face from the enlargements 2, longitudinally of the plate to the end of the plate above the spikes 5 as shown at 5^a, so as to provide relatively heavy portions at such points, so as to receive the

blows of a sledge to drive the spikes 5 into the tie.

The enlargements 2 and plate 1 are made with openings 6 for the reception of the ordinary spikes 7, which are driven into the tie and overlap the base flanges 3 of the rail, so as to securely hold the rail upon the plate.

In constructing our improved plate, it will be noted that the spikes 5 are out of alinement, and also the openings 6 are out of alinement with each other, and with the spikes. Therefore the spikes 7 and the spikes 5 will be driven into different grains of the tie. This is a very important consideration, and is one that means much to the life of the tie and security of the plate.

As each one of the spikes has a separate portion of the tie in which it is driven, there is no danger of splitting the tie nor opening the grain so as to admit water which would rot the tie, therefore the spikes will securely hold the plate and the plate will securely hold the rail, and there can be no possibility of spreading rails when a plate of this character is employed.

Various slight changes might be made in the general form and arrangement of parts described without departing from our invention, and hence we do not limit ourselves to the precise details set forth, but consider ourselves at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

Having thus described our invention, what we claim as new and desire to secure by Letters Patent is:

1. A plate of the character described having integral parallel enlargements on its upper face spaced apart a distance equal to the width of the base of an ordinary rail, integral spikes on the bottom of said plate at its ends, said plate enlarged on its upper face from the first-mentioned enlargements to its outer ends above the said integral spikes, substantially as described.

2. A plate of the character described having integral parallel enlargements on its upper face spaced apart a distance equal to the width of the base of an ordinary rail, integral spikes on the bottom of said plate at its ends, said plate enlarged on its upper

face from the first-mentioned enlargements
to its outer ends above the said integral
spikes, said plate at its first-mentioned en-
largements having spike receiving openings
5 therein, and said spike receiving openings
out of alinement with the first-mentioned
spikes, and said first-mentioned spikes out
of alinement with each other, substantially
as described.

In testimony whereof we have signed our 10
names to this specification in the presence of
two subscribing witnesses.

KAZIMIER JASIECKI.
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Witnesses:

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