

P. W. MOORE.
COMBINATION TIE PLATE AND ANTICREEPER.
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965,725.

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Fig. 1.

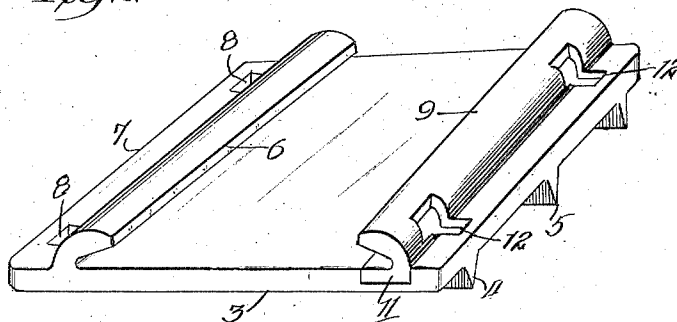
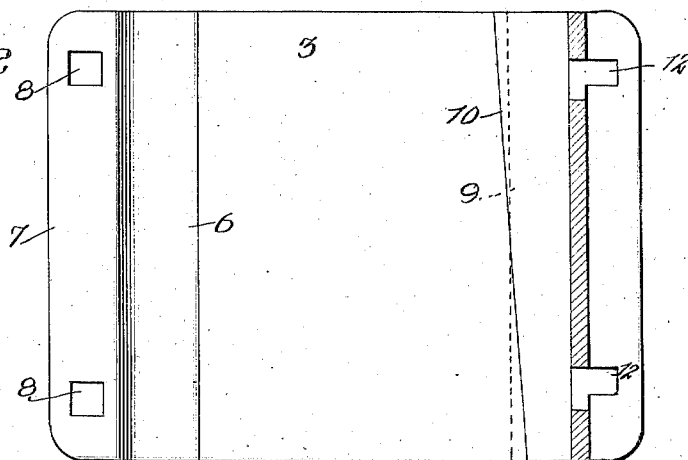


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

PHILIP W. MOORE, OF EVANSTON, ILLINOIS, ASSIGNOR TO RAILWAY SPECIALTY & SUPPLY COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

COMBINATION TIE-PLATE AND ANTICREEPER.

965,725.

Specification of Letters Patent.

Patented July 26, 1910.

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To all whom it may concern:

Be it known that I, PHILIP W. MOORE, a citizen of the United States, residing at Evanston, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Combination Tie-Plates and Anticreepers, of which the following is a specification.

The present invention relates to an improved tie plate and anti-creeper and has for one of its essential objects, to provide a construction having suitable means for fixedly engaging a tie or sleeper on a railway rail for preventing longitudinal and transverse movement thereof when pressure is exerted thereon by the railway rail.

Other objects will appear from a detailed description of the invention, which consists of the features of construction and combination of parts hereinafter described and explained.

In the drawings, Figure 1 is a perspective view of this combination tie plate and anti-creeper; and Fig. 2, a top or plan view thereof.

This improved device comprises a flat base or bed plate 3, having a series of transverse under ribs 4, which, as indicated in Fig. 1, are spaced apart and wedge-shaped so that their edges 5 may be embedded in the body of a tie or sleeper for maintaining the same in fixed position. In use, however, it is not absolutely essential that these transverse ribs be employed, since other means are provided for permanently anchoring the device. An elongated integral gripping jaw 6 is formed on one side thereof in proximity to the outer edge 7, along which are spike openings 8. The tie plate on the opposite side has a movable elongated gripping jaw 9, positioned within a diagonal guide-way 10 formed in the base 3, the gripping jaw 9 having a lower portion 11 normally maintained within said guide-way.

As shown, opposite spike openings 12 are formed through the base 3 and extending into the movable gripping jaw 9 for the purpose of locking the gripping jaw on the tie plate when the spikes are driven home.

In use, this device is firmly embedded upon the body of a railway tie or sleeper by means of the transverse ribs 4 in the usual manner. Although, in the drawings an elongated gripping jaw 6 is shown, it is, of course, obvious that several gripping jaws

might be used with equal efficiency. The opposite gripping jaw 9 is parallel with respect to the fixed gripping jaw 6, but the guide-way 10 is angularly positioned with respect to the fixed jaw 6 for the purpose of enabling the respective gripping jaws to be brought in tight engagement with a rail base, not shown, and when the plate has been properly adjusted, spikes are driven home through the openings 12 in the base plate which serve to lock the movable gripping jaw 9 against movement tending to relieve its grip on the rail base, but not against movement tending to increase its grip. This construction is highly desirable, as it considerably increases the track efficiency, the device serving as a combination rail anchor or anti-creeper and tie plate.

What I claim as new and desire to secure by Letters Patent is:

1. In a tie plate and anti-creeper, a base plate provided on one side near its edge with an integral gripping jaw for gripping one side of the rail base, and provided near its opposite edge with a groove angularly disposed with respect to the integral gripping jaw, in combination with a movable gripping jaw adapted to register with the groove for gripping the other side of the rail base, said integral gripping jaw, angularly disposed groove, and movable gripping jaw adapted to co-act for gripping the rail base, the base plate being provided near the integral gripping jaw with spike holes, and the base plate being provided adjacent to the groove with other spike holes, and the movable gripping jaw being provided with elongated spike holes adapted to register with said last named spike holes for receiving spikes adapted to hold the movable gripping jaw firmly in contact with the rail base, all of said spikes engaging the tie, substantially as described.

2. In a tie plate and anti-creeper, a base plate provided on one side near its edge with an integral gripping jaw for gripping one side of the rail base, and provided near its opposite edge with a groove angularly disposed with respect to the integral gripping jaw, in combination with a movable gripping jaw adapted to register with the groove for gripping the other side of the rail base, said integral gripping jaw, angularly disposed groove, and movable gripping jaw adapted to co-act for gripping the

rail base, the base plate being provided near the integral gripping jaw with spike holes, and the base plate being provided adjacent to the groove with other spike holes, and the
5 movable gripping jaw being provided with elongated spike holes adapted to register with said last named spike holes for receiving spikes adapted to hold the movable gripping jaw firmly in contact with the rail
base, all of said spikes engaging the tie, and 10 said base plate being provided on its under side with means, as ribs, for further engaging the tie, substantially as described.

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Witnesses:

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