

J. L. DENSON.
ANTI-RAIL-SPREADER.
APPLICATION FILED DEC. 16, 1908.

930,941.

Patented Aug. 10, 1909.

Fig. 1.

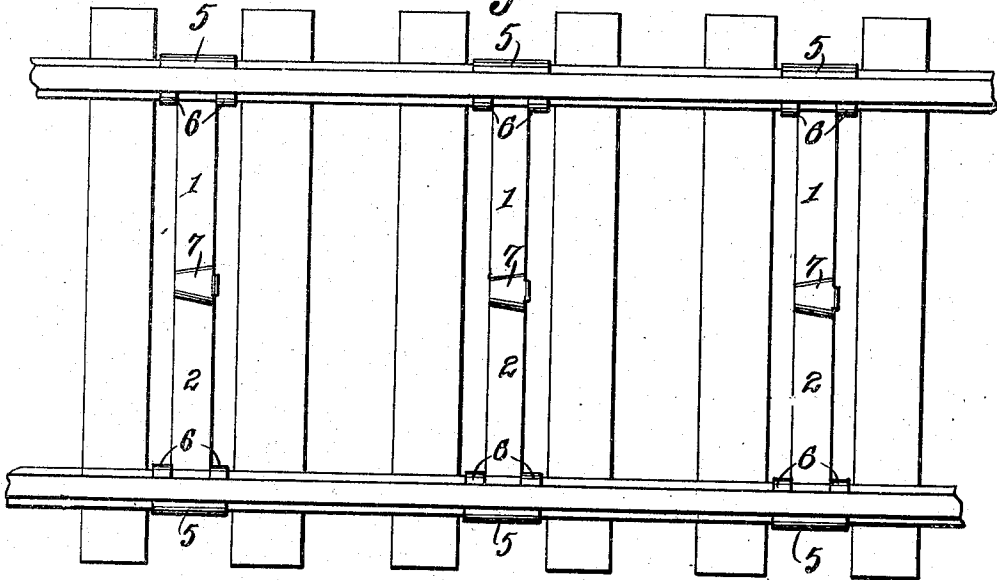


Fig. 2.

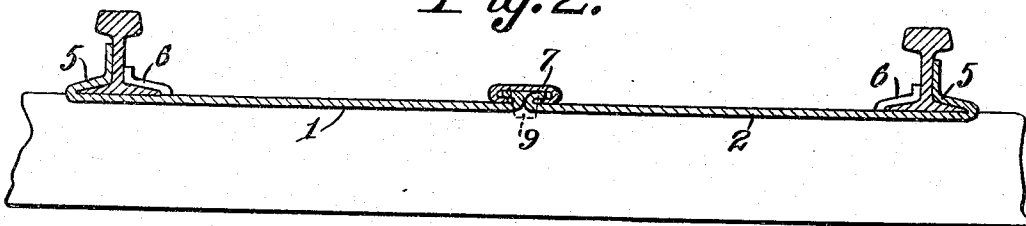
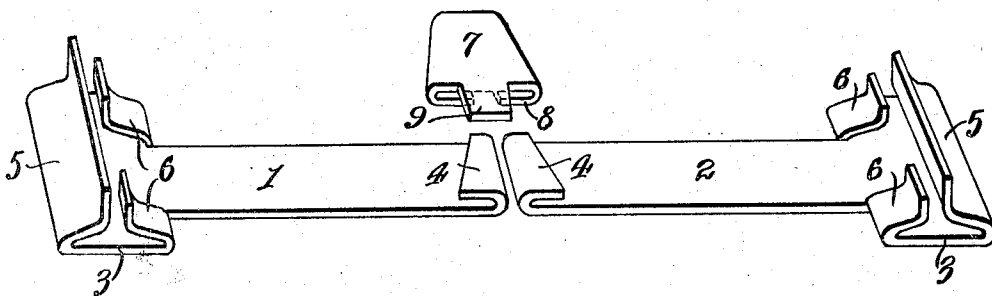


Fig. 3.



Inventor

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Witnesses

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ANTI-RAIL-SPREADER.

No. 930,941.

Specification of Letters Patent.

Patented Aug. 10, 1909.

Application filed December 16, 1908. Serial No. 467,833.

To all whom it may concern:

Be it known that I, JESSE LAURANCE DENSON, a citizen of the United States, residing at St. Louis, State of Missouri, have invented
5 new and useful Improvements in Anti-Rail-Spreaders, of which the following is a specification.

This invention is an improved anti rail spreader for use on railroads to prevent the
10 rails from spreading and which consists in a tie composed of a pair of members having means at their outer ends to engage the rails and having wedge shoulders at their inner
15 ends, in combination with a tie device having wedge shoulders at its sides to engage those of the said sections to lock said sections together and draw them toward each
20 other and further provided with a lip or stop at its larger end to be turned down when said tie is in place and bear against one side
of said sections to prevent casual disengagement of said tie as hereinafter described and
claimed.

In the accompanying drawings:—Figure 1
25 is a top plan of a portion of a railway provided with anti rail spreaders constructed in accordance with my invention. Fig. 2 is a transverse sectional view on a larger scale. Fig. 3 is a detail perspective view of one of
30 the anti rail spreaders showing the parts thereof disconnected.

My improved anti rail spreader comprises a pair of bars or sections 1, 2, which are
35 duplicates of each other and each of which is provided at its outer end with a broadened head portion 3 and at its inner end with a wedge shoulder or flange 4, said wedge shoulders or flanges being here shown as formed by
40 turning up and bending over the inner end portions of said sections or bars. Each head portion 3 is formed with an upturned flange
5 to bear against the outer side of one of the rails and is further formed with lip portions 6 which after the outer flanges 5 are applied
45 to the rails are bent over the inner base flanges of the rails and against the inner sides of the webs thereof, as indicated in Fig. 2, it being observed that the head portions 3 are wider than the bars and that the said
50 lips 6 as well as the flanges 5 are formed integral with said head portions.

In order to lock the sections or bars 1, 2, together, end for end, I provide a wedge
shaped clip 7 which is formed on its under

side with inwardly extending flanges 8 to en- 55
gage and underlie the wedge flanges 4 of the bars or sections 1, 2, the sides of the said clip converging in one direction so that the said clip also constitutes a wedge which in coac-
60 tion with the wedge flanges 4 of the bars or sections 1, 2, serves to firmly lock said bars or sections 1, 2 together and to draw them toward each other when the clip is forced or
driven into place. The clip is provided at its larger end and integrally with its upper
65 portion with a lip 9 which when the clip has been thus placed on the meeting ends of the bars 1, 2, is bent downward so as to bear against one side of said bars as indicated in
Fig. 1, said lip thus serving to effectually
70 prevent the said clip from becoming casually dislodged. It will be understood, however, that by first bending up the said lip 9 the said wedge clip may be readily removed from
the said bars or sections 1, 2, to permit of
75 their disengagement from the rails.

It will be understood from the foregoing that my improved anti rail spreader may be
readily attached to the rails of a railroad
80 track and that it is effective to prevent the spreading of the rails.

I do not desire to limit myself to the precise construction and combination of devices
herein shown and described, as modifica-
85 tions may be made therein within the scope of the appended claims

What is claimed is:—

1.—An anti rail spreader comprising a pair
of bars having means at their outer ends to
engage the rails and provided at their inner
90 ends with wedge flanges, in combination with a wedge clip to coact with said wedge flanges and lock said bars together at their inner ends.

2. An anti rail spreader comprising a pair 95
of bars having means at their outer ends to engage the rails and provided at their inner ends with wedge flanges, in combination with a wedge clip to coact with said wedge flanges and lock said bars together at their inner
100 ends, said wedge clip being provided with locking means to engage said bars and prevent casual dislodgment of said wedge clip.

3. An anti rail spreader comprising a pair
of bars formed at their inner ends with wedge
105 flanges and at their outer ends with broadened head portions, said head portions having their outer ends upwardly and inwardly

turned to form flanges to bear against the
outer sides of the rails and formed on their
inner sides with lip flanges to be bent against
the inner sides of the rails, in combination
5 with a wedge clip to engage and coact with
the wedge flanges of said bars to lock the latter
together.

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

JESSE LAURANCE DENSON.

Witnesses:

F. E. FICKERSON,
E. PAFFRATH.