P. POIRIER.

RAIL SUPPORT AND BRACE.

APPLICATION FILED NOV. 24, 1909.

954,585. Patented Apr. 12, 1910.

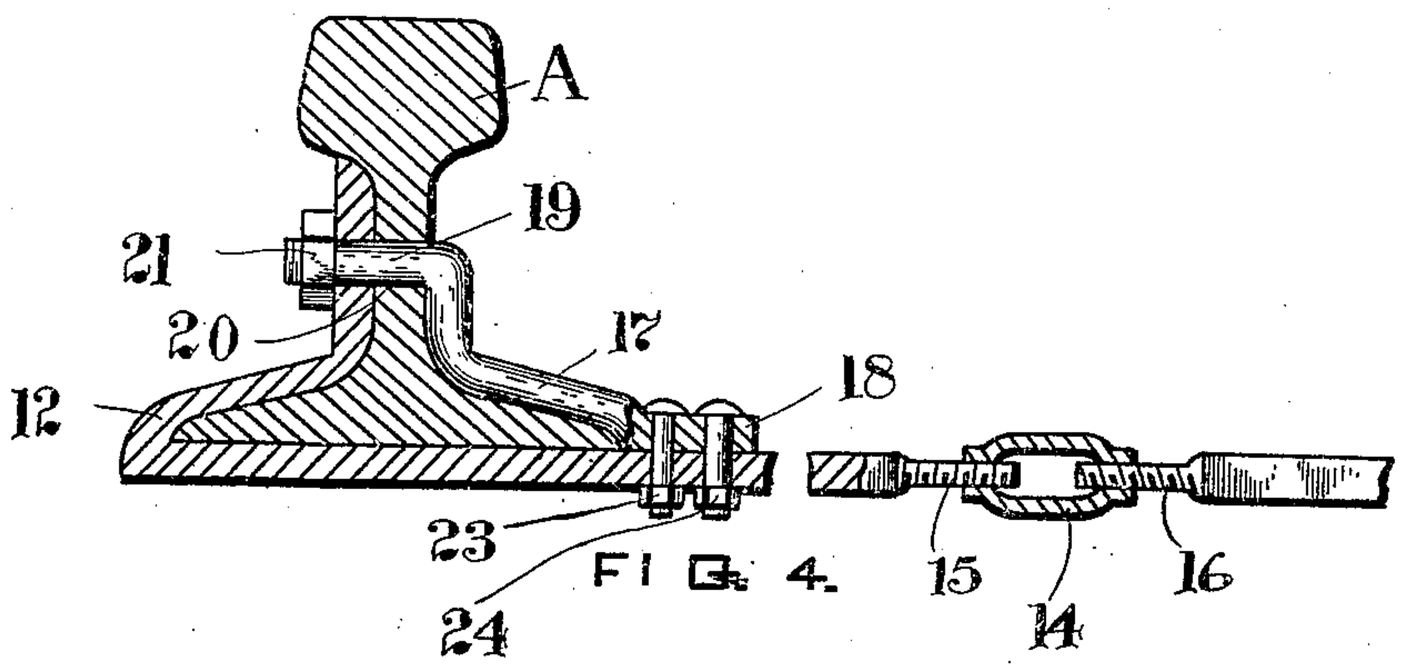

FIG. 4.

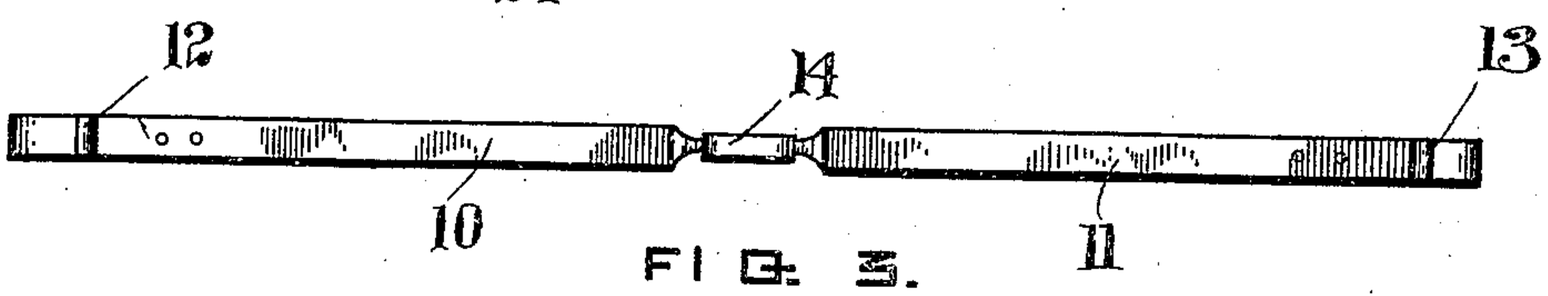

FIG. 3.

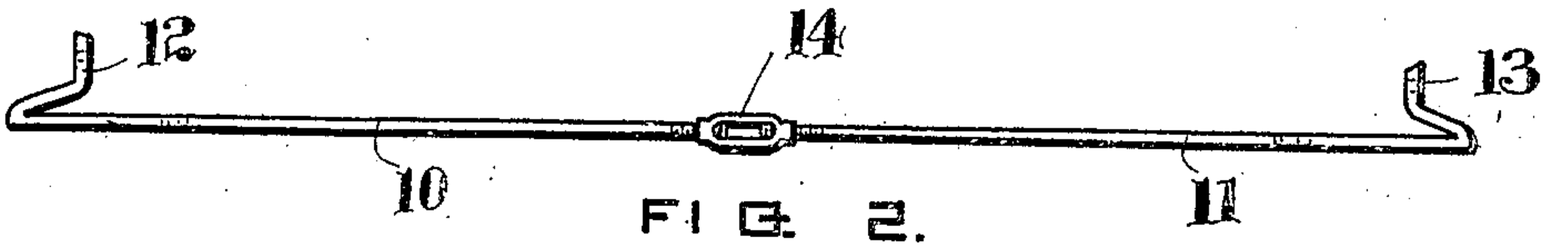

FIG. 2.

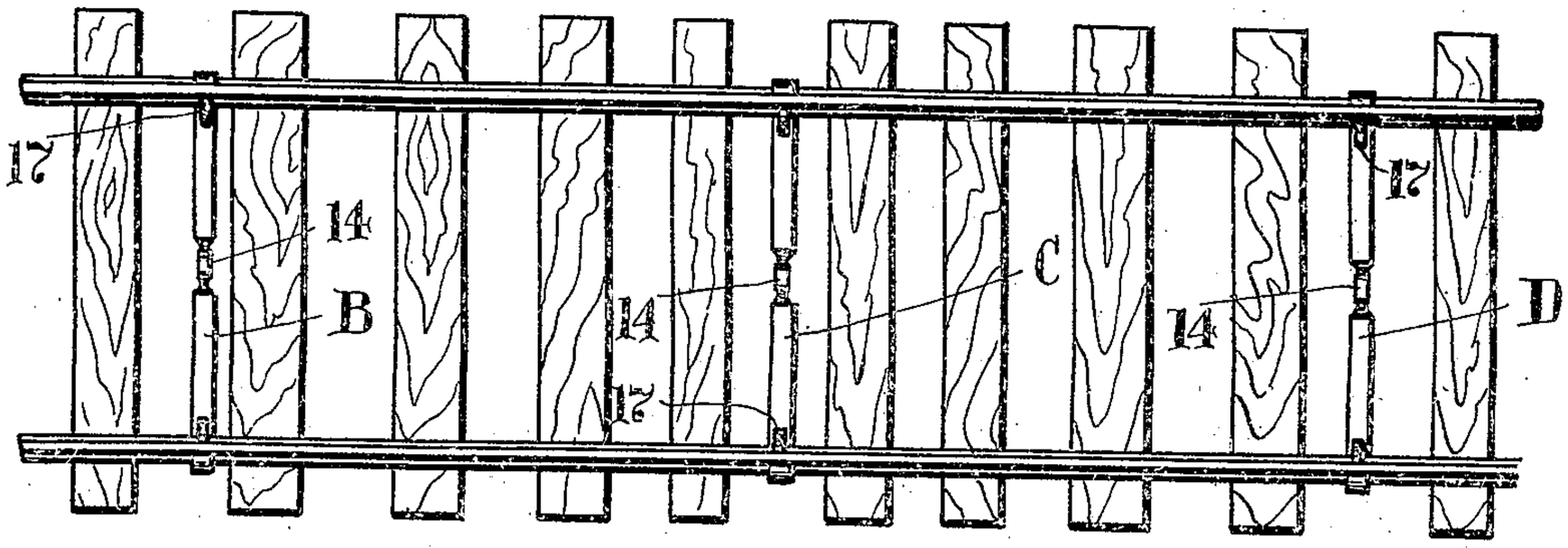

FIG. 1.

WITNESSES

J. N. Johnson

R. Gilkerson

INVENTOR

P. POIRIER

BY Lamb & Edmonds

ATTY

UNITED STATES PATENT OFFICE.

PETER POIRIER, OF MATAPEDIA, QUEBEC, CANADA, ASSIGNOR TO ARTHUR J. McINTYRE, OF CAMPBELLTON, CANADA.

RAIL SUPPORT AND BRACE.

954,585. Specification of Letters Patent. Patented Apr. 12, 1910.

Application filed November 24, 1909. Serial No. 529,824.

To all whom it may concern:

Be it known that I, PETER POIRIER, resident of Matapedia, in the county of Bonaventure, Province of Quebec, Canada, have invented certain new and useful Improvements in Rail Supports and Braces, of which the following is a specification.

My invention relates to improvements in rail supports and braces, and the objects of my invention are to provide means for preventing the spreading of rails or canting thereof, and such means as will firmly and effectively hold the two opposite rails in their proper relative position, and to further operate to prevent the tilting of the individual rail.

It consists essentially of rods having their outer extremities engaged with the outer side of a pair of rails and having their inner extremities connected by a turn buckle or equivalent device, and connecting member extending through the rails and rods on opposite sides of the rails, as hereinafter more fully set forth and described in the accompanying specification and drawings.

In the drawings, Figure 1 is a plan view of a plurality of my improved rail supporting members connecting two rails. Fig. 2 is a side elevation of the support. Fig. 3 is a plan view of the same. Fig. 4 is an enlarged sectional view through one end of the support.

In the drawings, like letters of reference indicate corresponding parts in each figure.

Referring to the drawings, 10 and 11 represents two rods which have their outer ends 12 and 13 shaped to conform to the outer surface of the rail A, the inner end of said members being connected by suitable means which will permit the rods being drawn closer together to cause the ends thereof to exert an inward pull on the rails. In the embodiment illustrated, these means consist of a turn buckle 14 which engages screw-threaded ends 15 and 16 on the rods.

To hold the rail firmly in its position in the end of the rod, connecting members 17 are provided at each end, the said connecting members being shaped to conform to the surface of the rail, and having a laterally turned end 19 extending through a perforation 20 in the rail itself, and being provided on the opposite end with perforations through which bolts 23 and 24 extend connecting the end with the rods 10 or 11. The extremity of the end 19 is screw-threaded and a nut 21 is provided thereon adapted to hold the connecting member 17 firmly in position and bind all the various parts together.

In using my improved device a plurality of the supports B, C and D are provided along a single pair of rails connecting the rails of each pair and preventing their spreading, and also preventing the tilting movement of the rails on the ties.

It will be readily seen that I have devised an extremely simple and effective device for accomplishing the purposes hereinbefore set forth.

As many changes could be made in the above construction and many apparently widely different embodiments of my invention, within the scope of the claims, could be made without departing from the spirit or scope thereof, it is intended that all matter contained in the accompanying specifications and drawings shall be interpreted as illustrative and not in a limiting sense.

What I claim as my invention is:—

1. An improved rail support and brace including rods having their outer extremities shaped to conform to the outer surface of a pair of rails, means for connecting the inner ends of the rods, and for drawing them together, and connecting members rigidly connecting the ends of the rods with the rails, the said members being shaped to conform to the inner surface of the rails and being each provided with a laterally turned end extending through the rail and through the aforesaid rod, a nut on said end holding the connecting members firmly in position, and means connecting the opposite ends of the connecting members with the rods.

2. An improved rail support and brace including rods having their outer extremities shaped to conform to the outer surface of a pair of rails, and formed with portions

extending between the rails, a turn buckle connecting the inner ends of the rods, connecting members bolted to said rods on the inner side of the rails, said members being shaped to conform to the inner surface of the rails and being each provided with a laterally turned end extending through the rail and the outer end of the rod, and nuts on said laterally turned ends holding the connecting members firmly in position.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

PETER POIRIER.

Witnesses:

ARTHUR T. LE BLANC,

ARTHUR J. MCINTYRE.