

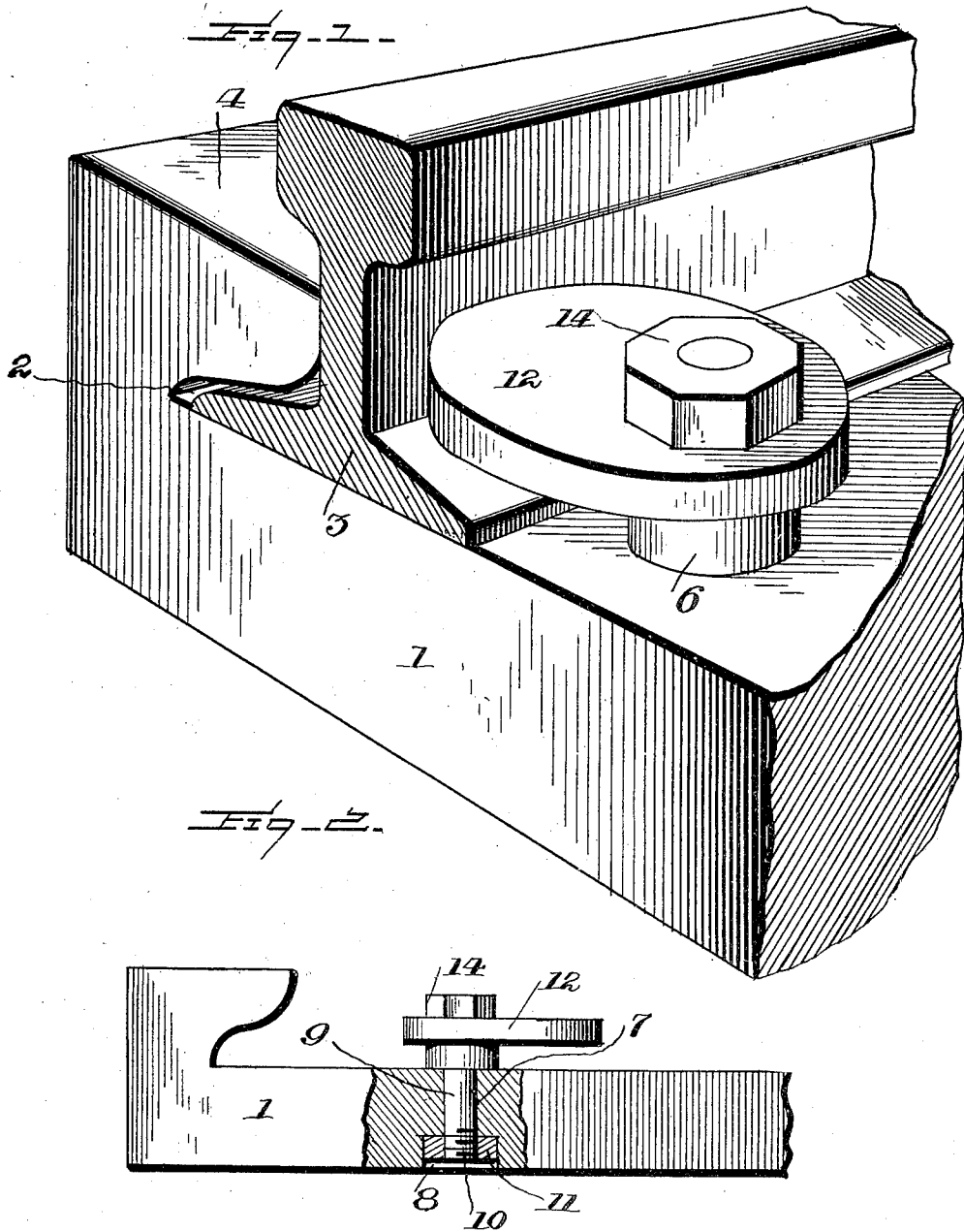
No. 696,582.

Patented Apr. 1, 1902.

E. E. MYERS.
METALLIC TIE AND RAIL FASTENER.

(Application filed Nov. 30, 1901.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

EMMA E. MYERS, OF PITTSBURG, PENNSYLVANIA.

METALLIC TIE AND RAIL-FASTENER.

SPECIFICATION forming part of Letters Patent No. 696,582, dated April 1, 1902.

Application filed November 30, 1901. Serial No. 84,161. (No model.)

To all whom it may concern:

Be it known that I, EMMA E. MYERS, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Metallic Ties and Rail-Fasteners, of which the following is a specification; reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in chairs for railways and the like, and has for its object the provision of novel means whereby a rail may be easily locked in the chair and readily removed therefrom when desired.

15 The invention has for its further object to provide novel means whereby the web of the rail and base thereof may be securely clamped and retained in proper position.

20 My invention further contemplates to construct a chair that will be extremely simple in construction, strong, durable, and comparatively inexpensive to manufacture.

25 With the above and other objects in view the invention consists in the novel combination and arrangement of parts to be hereinafter more fully described, and specifically pointed out in the claim.

30 In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate corresponding parts throughout the several views, in which—

35 Figure 1 is a perspective view of a portion of my improved railway-chair, showing a rail secured therein. Fig. 2 is an end elevation of the chair as it appears when in an open position ready to receive the rails.

40 In the drawings the reference-numeral 1 indicates the chair, having a curvilinear side 2, adapted to receive the base of the rail 3, said chair having formed on its outer side projections 4, adapted to bear against the web of the rail.

45 The reference-numeral 6 represents the boss secured to and formed integral with the upper face of the chair, said boss having a central opening formed therein extending into and

through the chair, said opening being designated in the drawings by the numeral 7. At the lower end of said opening is formed a recess 8 in the under face of the chair.

The reference-numeral 9 represents a bolt extending through the recess 7 and through the boss 6, said bolt being screw-threaded at its lower end, as indicated by 10, for the reception of the nut 11. The upper end of the bolt 9 passes through a cam or eccentric 12, and at the upper end of the bolt 9 is secured a nut 14.

The manner of operating my improved joint is as follows: We will assume the parts to be in position as shown in Fig. 2. The rail is then placed in position in the chair and the cam or eccentric turned so as to form a locking engagement with the web of the rail, as shown in Fig. 1 of the drawings. When it is desired to remove the rail, the cam or eccentric is turned in the opposite direction, thereby disengaging the rail from the chair, when the same may be readily removed.

The many advantages obtained by the use of my improved device will be readily apparent from the foregoing description, taken in connection with the accompanying drawings.

It will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a railway-chair, the combination with the rail seated therein, an eccentric, a boss secured on said chair, a screw-threaded bolt, and a nut rigidly secured to the upper end of said bolt and a nut removably secured to the lower end of said bolt, all parts being arranged and operating substantially as described.

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

EMMA E. MYERS.

Witnesses:

JOHN NOLAND,
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