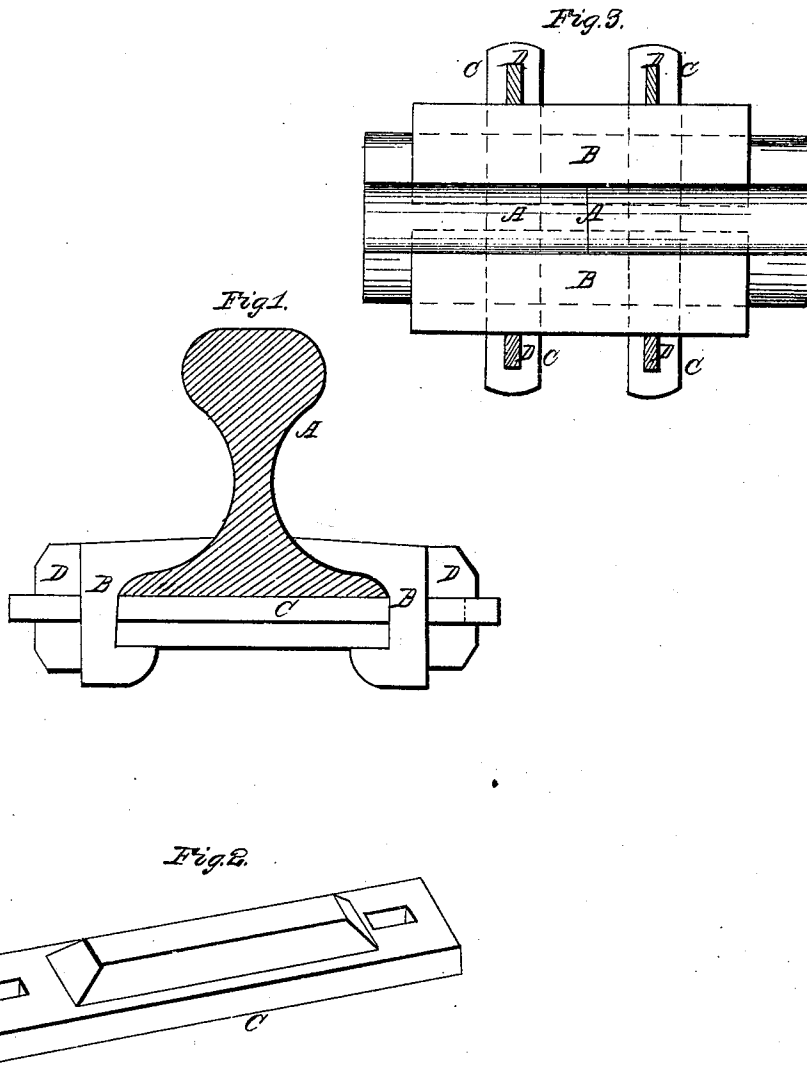


R. Anthony,

Railway Chain.

No. 99279.

Patented Feb. 1. 1870.



Witnesses:
Julius H. Gable
J. H. Lehmann

Inventor:
Richard Anthony
per
Samuel Mason
Attys.

United States Patent Office.

RICHARD ANTHONY, OF PITSTON, ASSIGNOR TO HIMSELF AND THOMAS WILLIAMS, OF LUZERNE COUNTY, PENNSYLVANIA.

Letters Patent No. 99,279, dated February 1, 1870; antedated January 19, 1870.

IMPROVED RAILWAY-RAIL CHAIR.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, RICHARD ANTHONY, of Pittston, in the county of Luzerne, and in the State of Pennsylvania, have invented certain new and useful Improvements in Railroad-Chairs; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the construction and arrangement of a railroad-chair, and the manner of securing the same to the rails.

In order to enable others skilled in the art to which my invention appertains, to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings, which form a part of this specification, and in which—

Figure 1 is an end view of the chair;

Figure 2 is a perspective of the tie inverted; and

Figure 3 is a plan view of the tie.

Letter A represents an ordinary rail, which is secured in place by means of the chair B. This chair consists of two parts, one on each side of the rail, and so formed on their inner sides as to snugly fit over the lower parts of the rail, and having a shoulder formed on their lower ends, extending inward.

Passing through the two parts of the chair, and binding them firmly together, is the tie C, which has a raised projection extending along part of its under side. The ends of this projection rest upon the top

of the shoulders formed on the chair, and hold the parts at their proper distance apart.

In each end of the tie there is a hole made, through which the keys or pins D are passed, which lock the whole firmly and securely together.

By the use of this chair, punching of the rails may be avoided; broken ones can be readily repaired, thus saving the time and expense of procuring others. It forms a firm, substantial, and yet an elastic support for the joints, and holds the rails so firmly together that they form, as it were, a continuous rail, and thus prevents all jarring and shaking of the cars, as they pass along.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent, is—

1. The tie C, having a projection formed on its lower side, so as to bear upon the shoulders and sides of the chair B, and constructed so as to be locked by the keys D, or their equivalents, substantially as set forth.

2. The tie C, keys D, chair B, and rail A, when all are combined in the manner and for the purpose described.

In testimony that I claim the foregoing, I have hereunto set my hand, this 12th day of May, 1869.

RICHARD ANTHONY.

Witnesses:

L. B. ENSIGN,

ELISHA BLACKMAN.