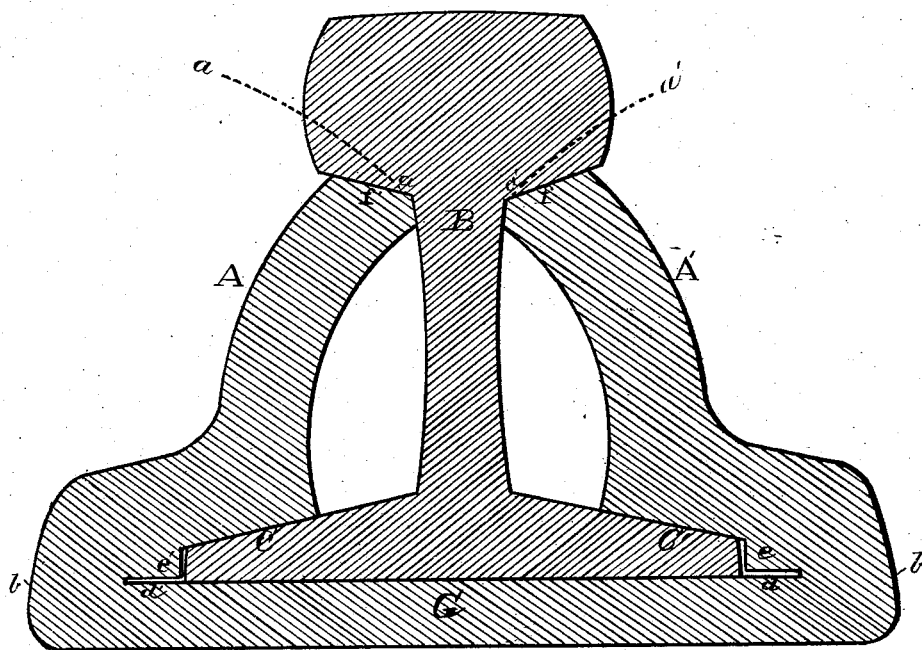


(No Model.)

T. TOSTEVIN.
RAILWAY RAIL CHAIR.

No. 261,498

Patented July 18, 1882.



H. P. Rogers
Charles E. Sears

WITNESSES

Thomas Tostevin

INVENTOR

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UNITED STATES PATENT OFFICE.

THOMAS TOSTEVIN, OF COUNCIL BLUFFS, IOWA.

RAILWAY-RAIL CHAIR.

SPECIFICATION forming part of Letters Patent No. 261,498, dated July 18, 1882.

Application filed March 20, 1882. (No model.)

To all whom it may concern:

Be it known that I, THOMAS TOSTEVIN, a citizen of the United States, residing at Council Bluffs, in the county of Pottawattamie and State of Iowa, have invented a certain new and useful Improvement in Railway-Rail Chairs, of which the following is a specification.

My invention relates to that class of railway-rail chairs formed of one or more pieces of metal, in which the sides of the chair are made to act as braces to receive the lateral thrust of the rail.

The object of my invention is, further, to construct a railway-rail chair that may be easily adapted to the rail and fitted tightly thereto when first applied, and that may be tightened readily if it should become loose by use.

The accompanying drawing represents a cross-section of my invention.

In a chair formed of one piece of metal the bottom plate, G, is made wider than the flange of the rail and returned upon itself, leaving the spaces shown at *d d'* and forming the shoulders shown at *e e'*, then fitting or grasping the lower rail-flange, and passing in an outwardly-projecting form to the lower side of the rail-table, against which it tightly fits. The shoulder *e e'* is provided to assist the sides A A' (which bear tightly against the lower flange at *e e'*) in preventing side motion of the lower rail-flange. The spaces shown at *d d'* admit

of adaptation to rails of varying thickness of flange. The outward projection of the braced sides, preferably made in a curved form, as shown at A A', admits of a ready mode of tightening by hammering the curve inward either when first fitted or when loosened by use. The sides are braced or placed diagonally to receive the lateral thrust of the rail simultaneously at the points *f f*, C C', and *b b'*. The ultimate point of bearing being at *b b'*, the sides A A' cannot become disengaged, except by describing the arc shown at *a a'*, which is prevented by the mass of metal underneath the dotted line.

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

1. In a railway-rail chair formed of one piece of metal, the sides A A', braced diagonally between the rail-table and lower flange, and having an outward projection, as and for the uses and purposes herein set forth.

2. A railway-rail chair formed of one piece of metal, and having the spaces shown at *d d'* and shoulder *e e'*, as and for the uses and purposes herein set forth.

THOMAS TOSTEVIN.

Witnesses:

ELIAS G. SEARS,
J. H. WARREN.