

M. G. FREEMAN.

Improvement in Railway-Rail Chair.

No. 127,588.

Patented June 4, 1872.

Fig. 1.

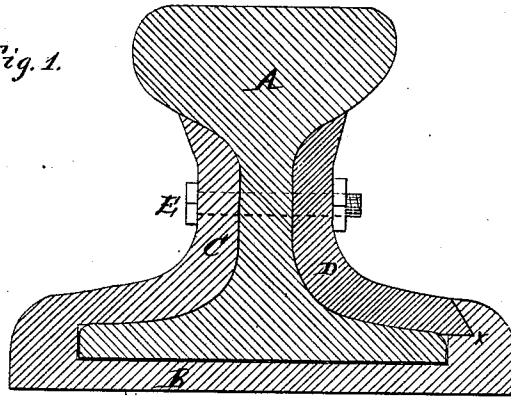


Fig. 2.

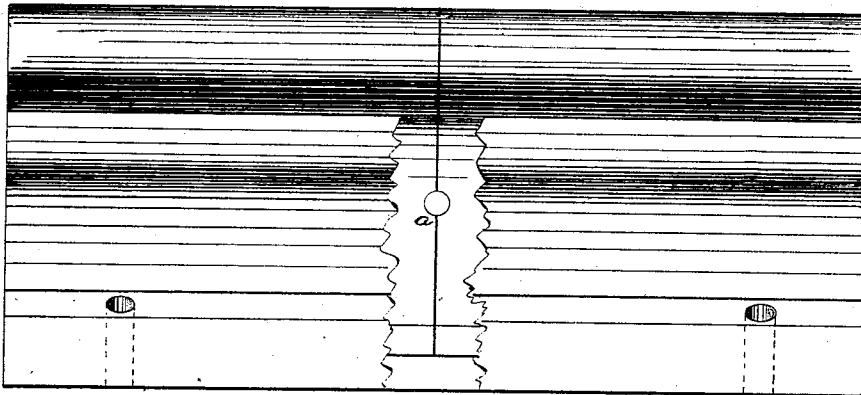
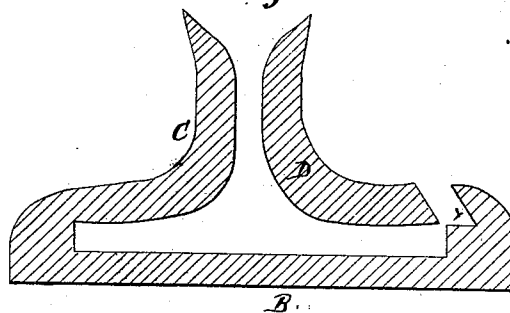


Fig. 3.



Witnesses:

Jas. C. Hutchinson
C. L. Ewert.

Inventor

Moody G. Freeman
per Alexander Mason

Attorneys.

UNITED STATES PATENT OFFICE.

MOODY G. FREEMAN, OF BLOOMINGTON, ILLINOIS.

IMPROVEMENT IN RAILWAY RAIL-CHAIRS.

Specification forming part of Letters Patent No. 127,588, dated June 4, 1872.

To all whom it may concern:

Be it known that, I, MOODY G. FREEMAN, of Bloomington, in the county of McLean and in the State of Illinois, have invented certain new and useful Improvements in Railroad Chair; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the peculiar construction of the chair and in the mode of connecting the same to the two rails, so as to allow of contraction and expansion of same, as will be hereinafter fully set forth.

In the annexed drawing, making part of this specification, A represents the ordinary T-rail. B represents the chair, which has two shoulders, D and C. This chair is so shaped or made (of either cast or wrought iron) that, while the bottom of the rail rests in it, the shoulders D and C hug and support the sides of said rail, so that it is held snugly and firmly in place. One of the shoulders, D, is made detachable or removable, its lower edge being formed to fit into a V-shaped groove, *x*, in the body of the chair, as seen. A half-round hole is made through the rail (or each rail) at its end in such a manner that when the two rails contiguous have their ends placed together a round hole is formed to receive the bolt E, which passes through the two shoulders of the chair to con-

fine them to the rails. By means of this arrangement the rails are allowed to move endwise by contraction or expansion. The holes in the rails may be elongated, if desired, and the bolts be flattened at their centers to correspond. The upper edges of the shoulders, it will be seen, are formed upon the same curve as the rail, so that they fit snugly against it to support and strengthen it.

By this construction and formation of chair and rail the two are fitted and adapted to each other, so as to insure great strength of joints, as well as a sure and easy adjustment of the rails endwise, without fear of binding or straining the chair or the bolt.

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

The chair B, having the fish-piece C fitting the web and against the shoulder of the rail, in combination with the removable piece D, the lower edge of which enters the notch *x* in the chair, and is bolted to the part C through a notch in the webs, as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 5th day of July, 1871.

MOODY G. FREEMAN.

Witnesses:

THOS. SLADE,
J. D. HARBUT.