

(No Model.)

A. J. MOXHAM.
BOX BRACE CHAIR FOR GIRDER RAILS.

No. 472,767.

Patented Apr. 12, 1892.

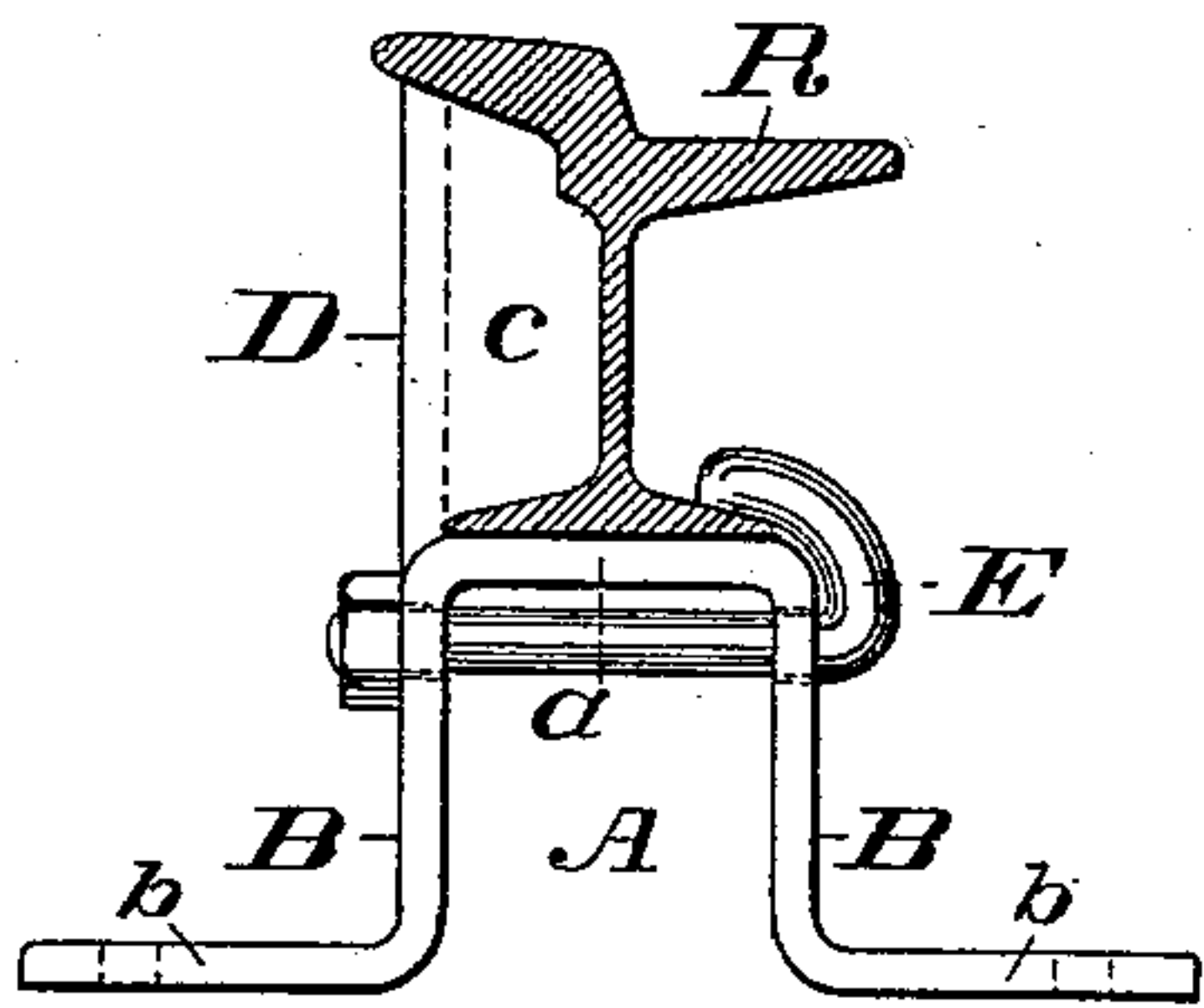


Fig. 1.

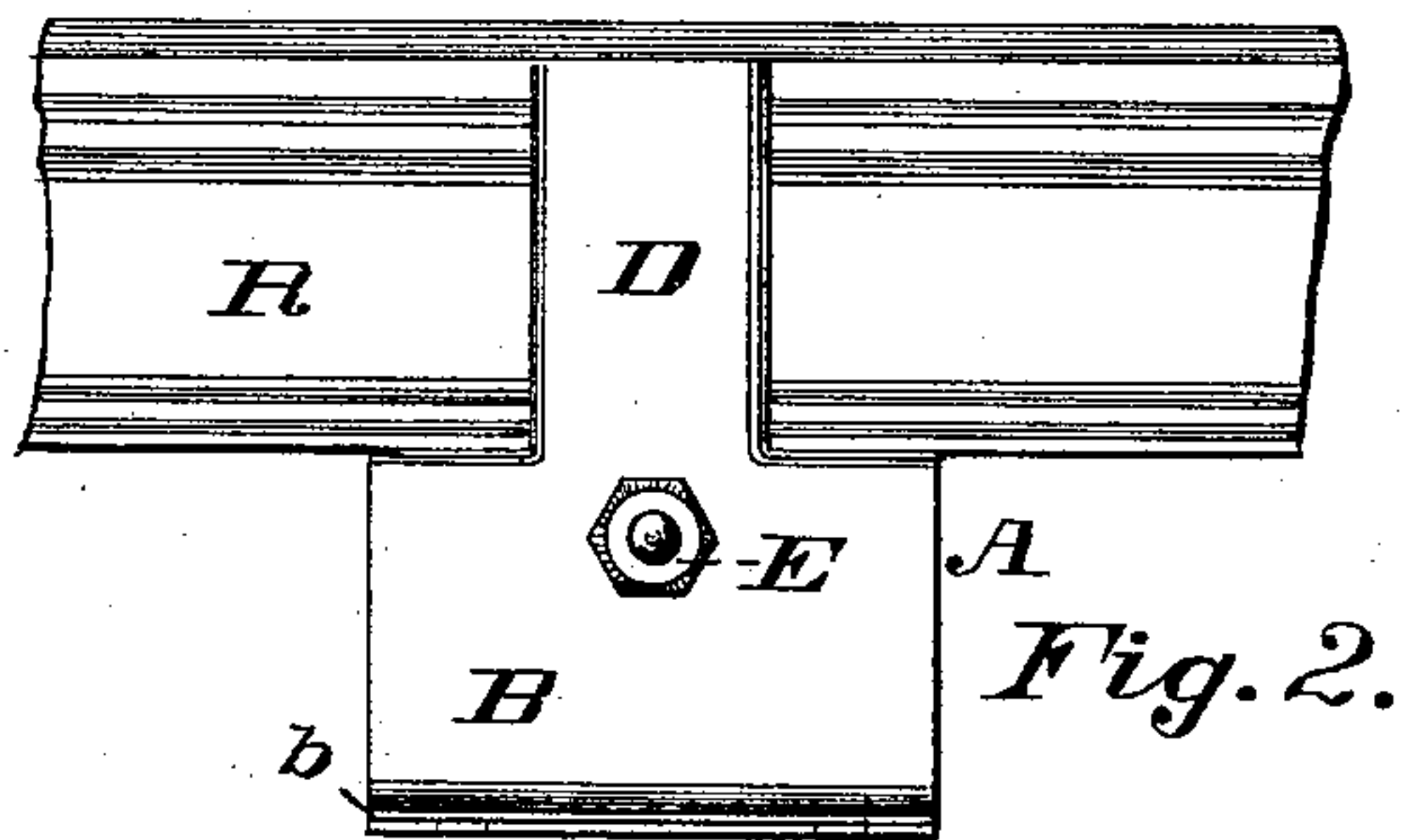


Fig. 2.

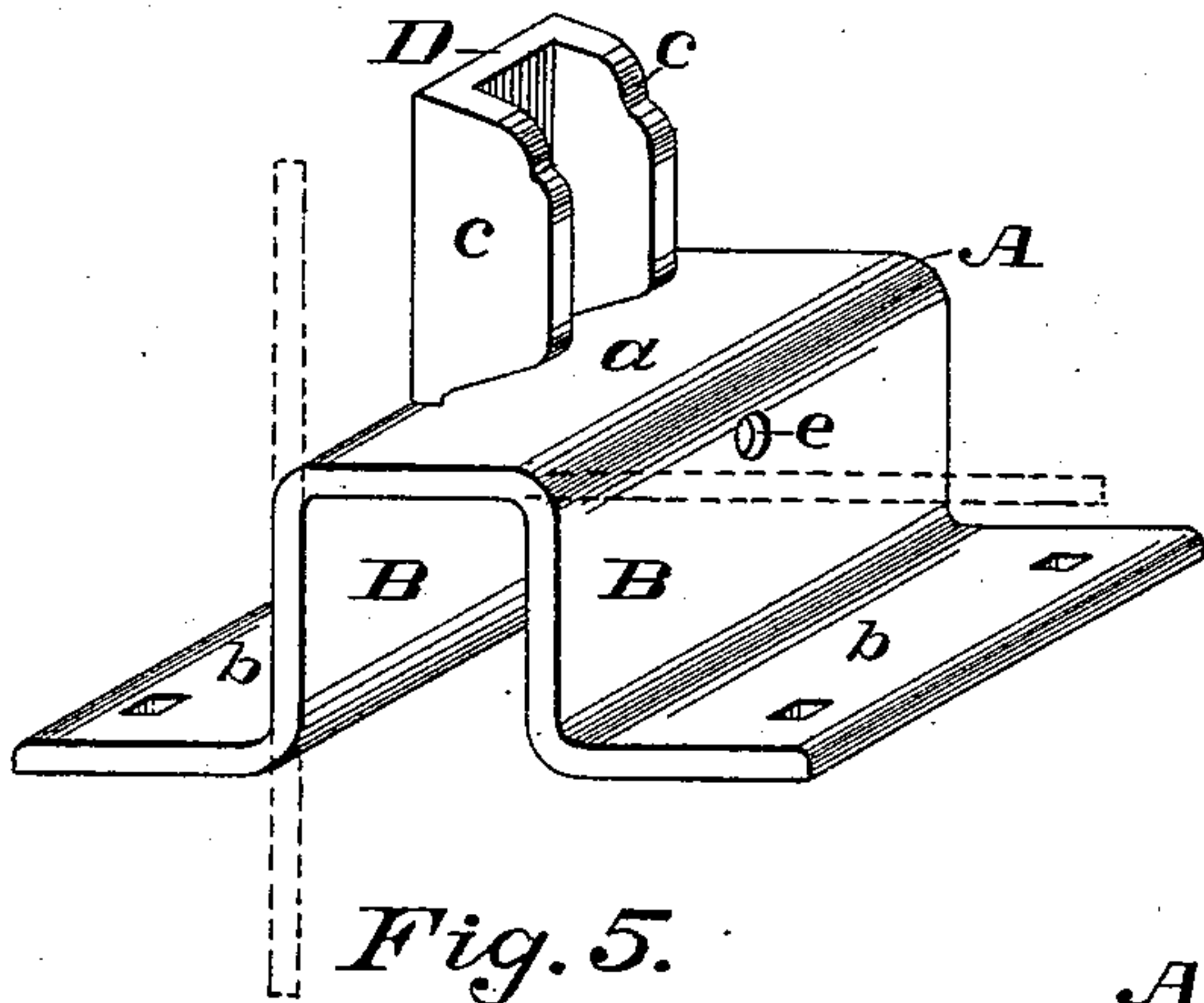


Fig. 5.

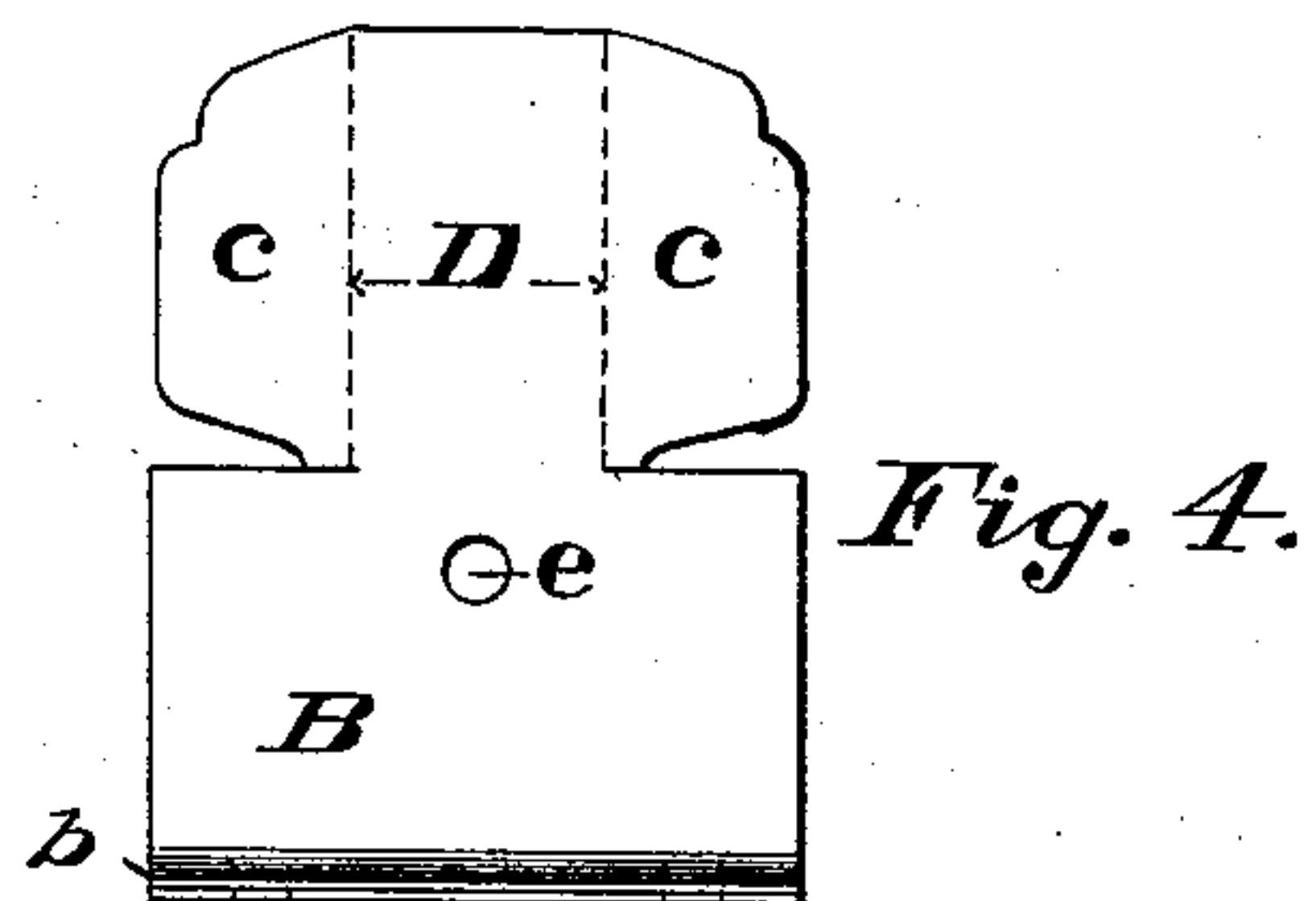


Fig. 4.

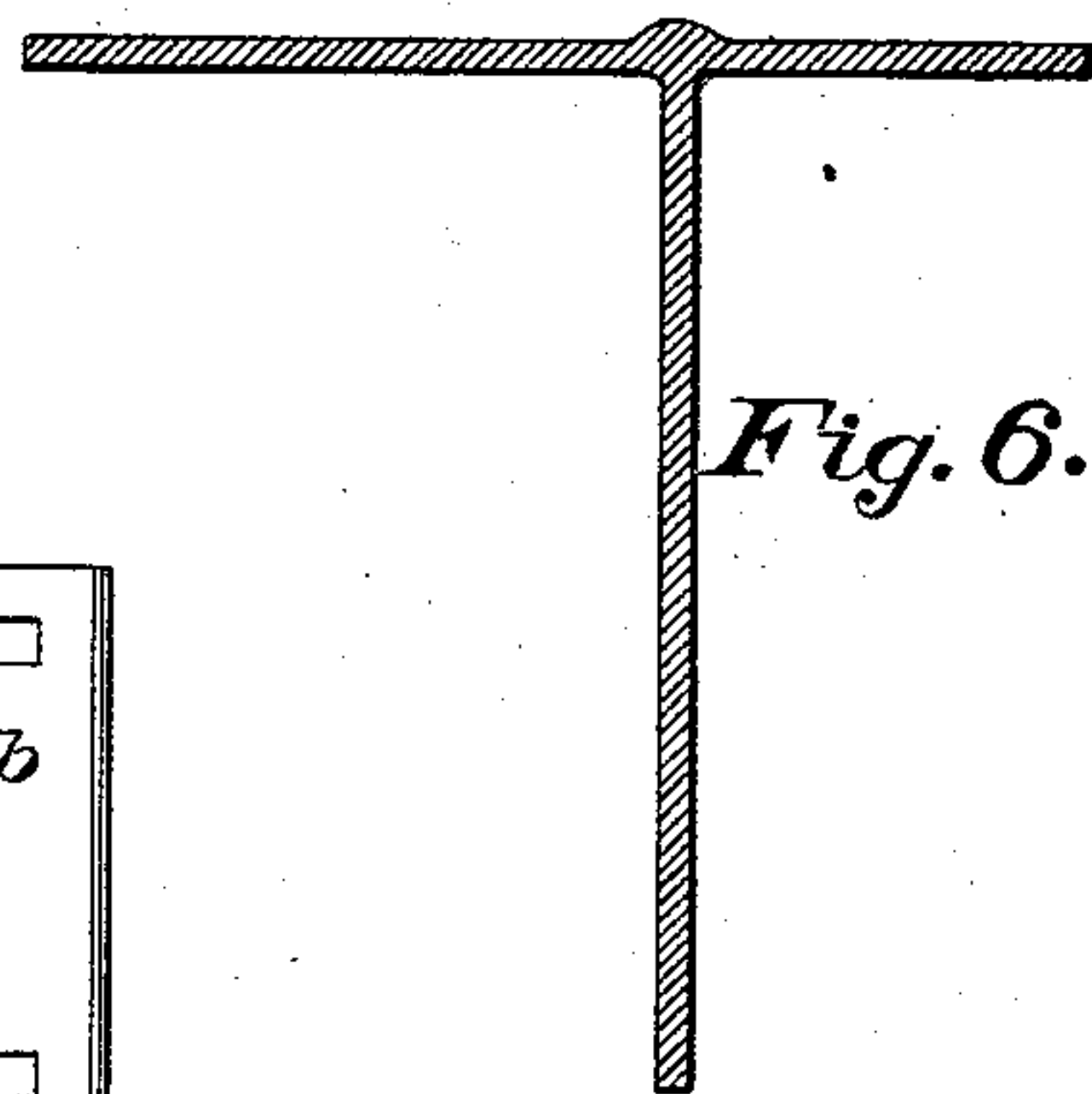


Fig. 6.

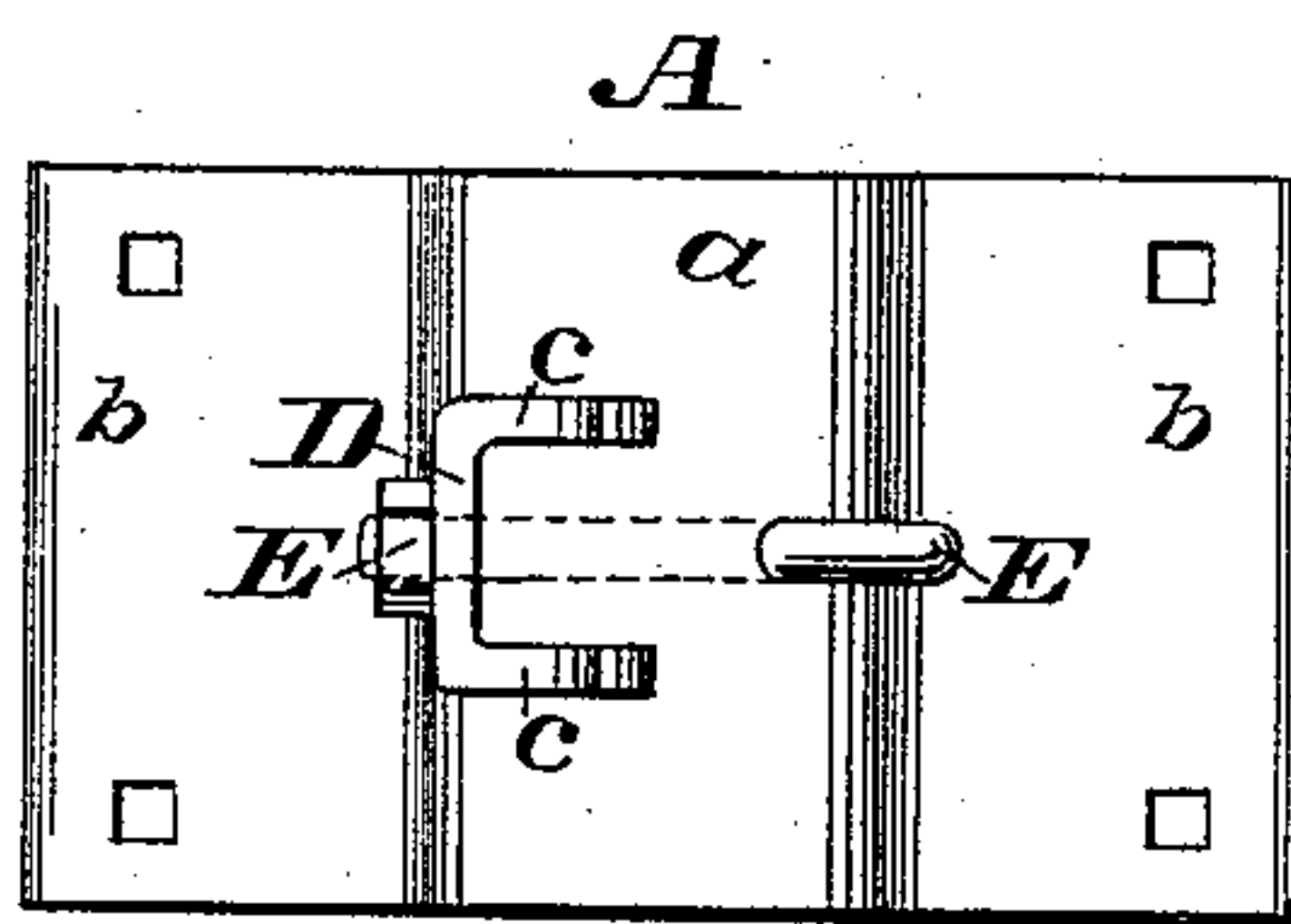


Fig. 3.

WITNESSES:

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ARTHUR J. MOXHAM, OF JOHNSTOWN, PENNSYLVANIA.

BOX BRACE-CHAIR FOR GIRDER-RAILS.

SPECIFICATION forming part of Letters Patent No. 472,767, dated April 12, 1892.

Application filed February 20, 1890. Serial No. 341,208. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR J. MOXHAM, of Johnstown, in the county of Cambria and State of Pennsylvania, have invented a new and useful Box Brace-Chair for Girder-Rails, which invention is fully set forth and illustrated in the following specification and accompanying drawings.

The object of this invention is sufficiently indicated by its title.

The invention will first be described in detail, and then particularly set forth in the claim.

In the accompanying drawings, Figure 1 is an end elevation of the chair with a rail shown in cross-section in place. Fig. 2 is a side elevation of Fig. 1 looking to the right. Fig. 3 is a view in plan of Fig. 1, the rail being omitted. Fig. 4 is a side elevation of the chair, showing the two wings, hereinafter described, cut out before they are bent. Fig. 5 shows the chair in perspective. Fig. 6 is a sectional view of the shape or blank of metal preferably used in the manufacture of the chair.

In said figures the several parts are respectively indicated by letters of reference, as follows:

The letter A indicates the chair; *a*, its floor or rail-seat; B B, its two sides, and *b b* its feet. The letter *c* indicates the sides of the brace D, bent in to bear against one side of the rail R.

A hook-headed bolt passing through the body of the chair forms a clip E for the lower flange of the rail on the side opposite to the brace portion of the chair. Said bolt may be

provided with a nut at its other end for tightening the same, as shown in Fig. 1.

The dotted lines in Fig. 5 indicate the shape or blank of metal shown in section in Fig. 6 before being bent into the shape shown in Fig. 5.

The chair is constructed by bending the piece of metal used so as to form a box-chair with a straight side brace. The two sides of the upper portion of the brace being stamped out, as shown in Fig. 4, are then bent around, preferably at right angles, to form the sides or wings *c c*, by which means a bearing against the contour of one side of the rail is secured.

I do not confine myself to the special form of bolt-clip shown, as it is evident that any other well-known suitable device may be substituted therefor. It is also evident that the contours of the sides of the brace D may be made to conform to various shaped rails. If desired, the whole of one side *c*, Fig. 4, may be cut away, leaving only one side or wing to the brace; but the use of two wings is considered preferable.

Having thus fully described my said improved box brace-chair, as of my invention I claim—

A box-chair for railroad-rails, provided with a vertical rail-brace having one or more side wings between said brace and the side of the rail.

ARTHUR J. MOXHAM.

Witnesses:

FRANCIS P. REILLY,
JACOB WASHBURN.