

(No Model.)

A. J. MOXHAM.
RAIL CHAIR FOR GIRDER RAILS.

No. 394,079.

Patented Dec. 4, 1888.

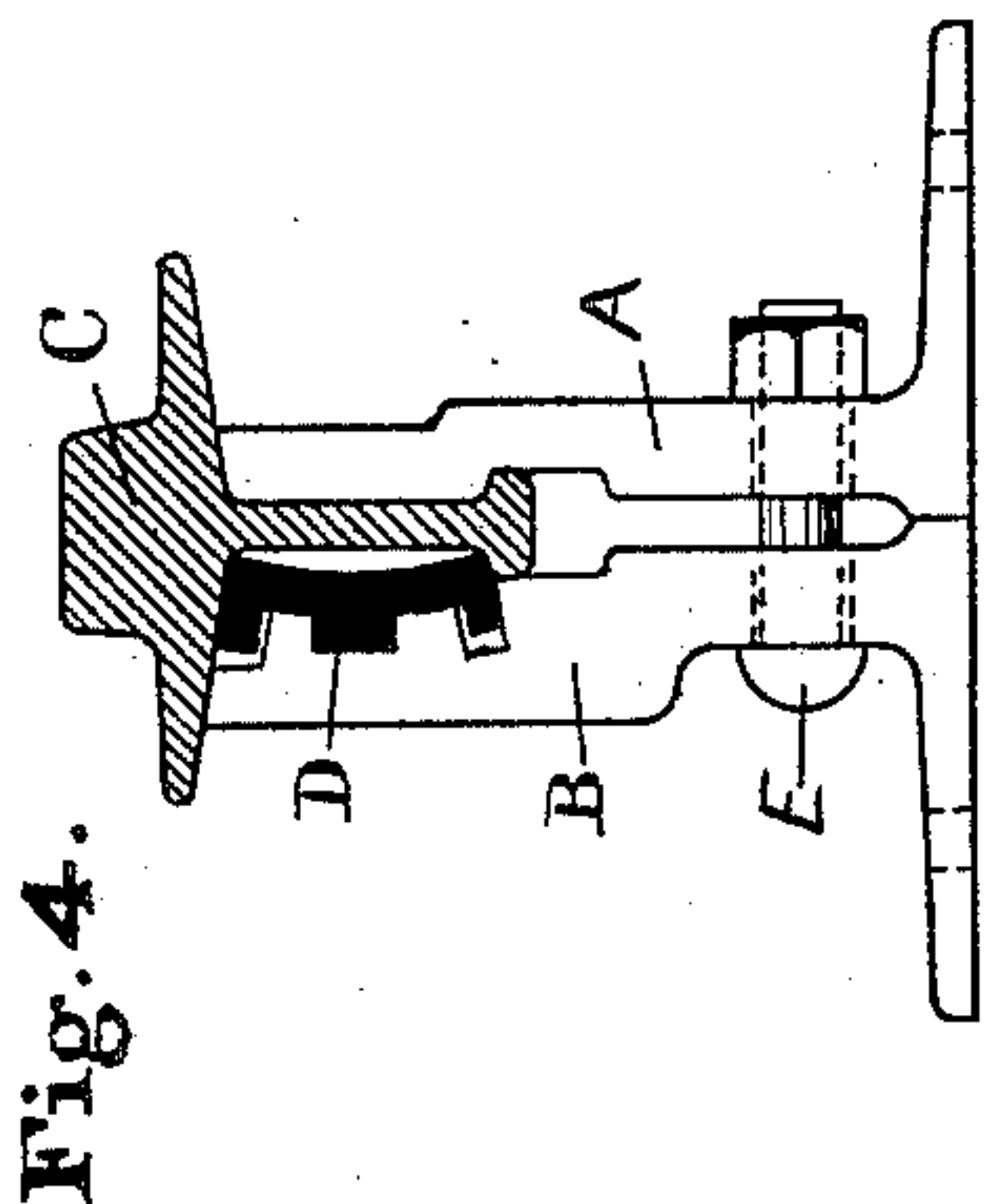


Fig. 3.

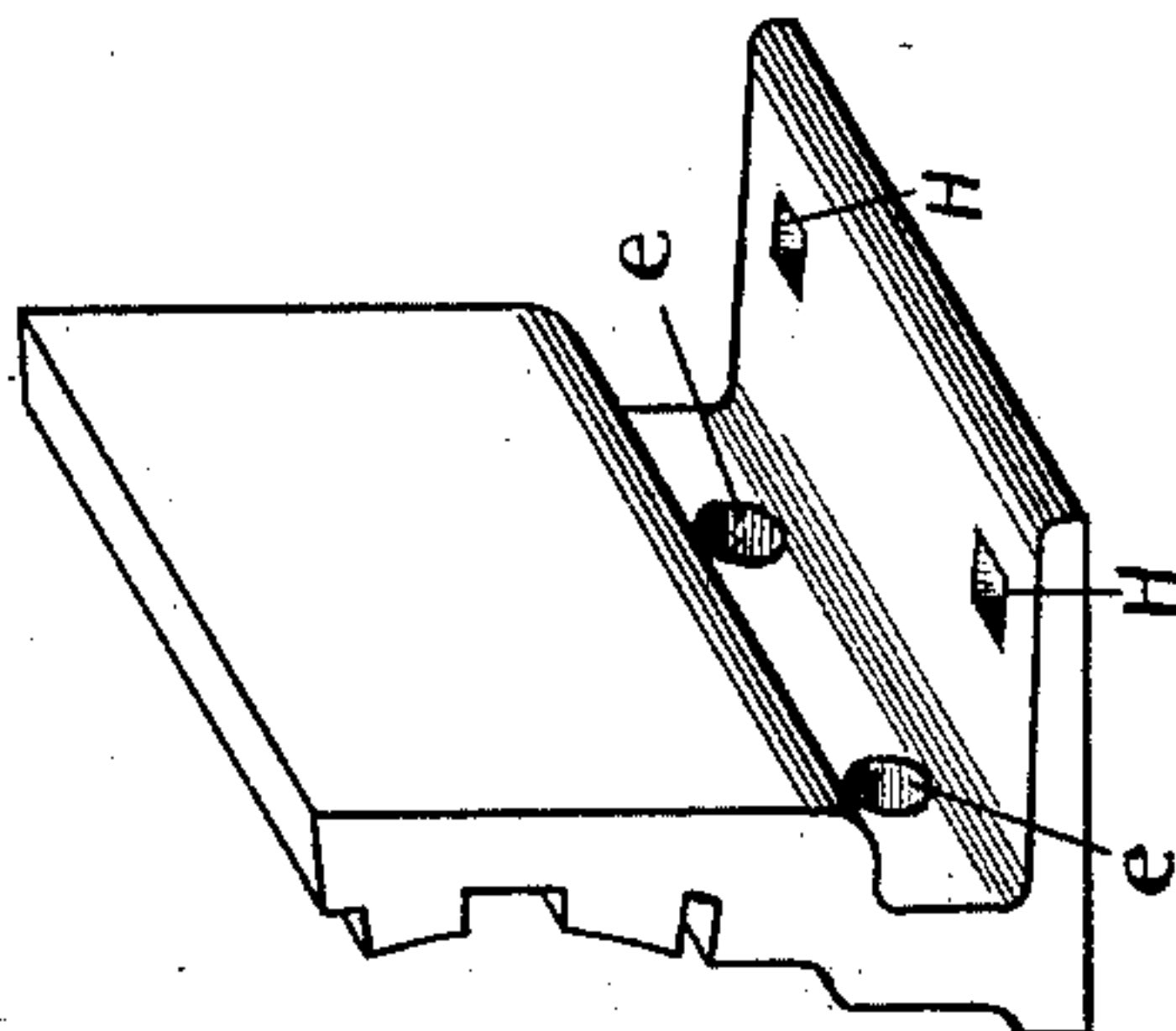


Fig. 5.

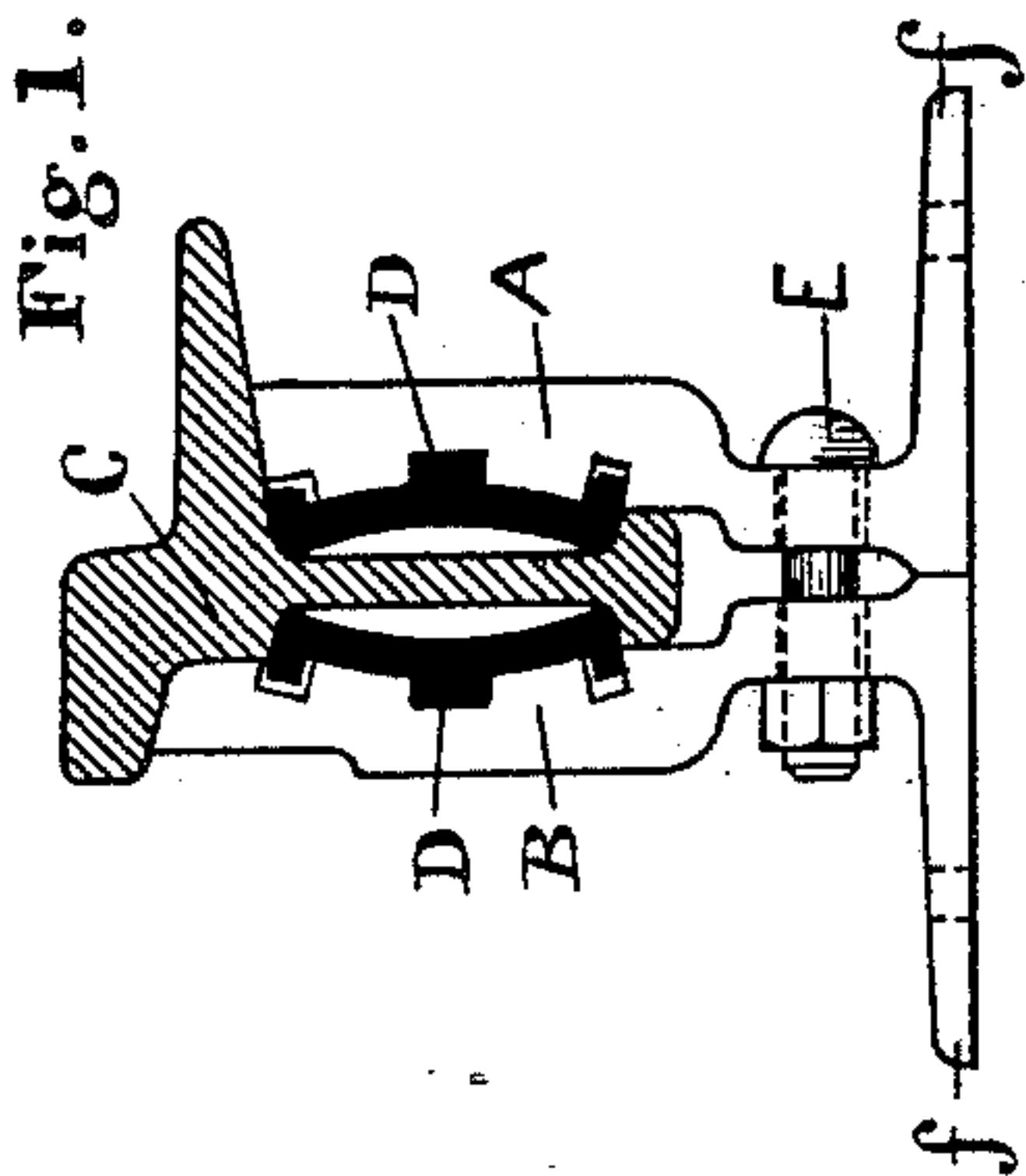
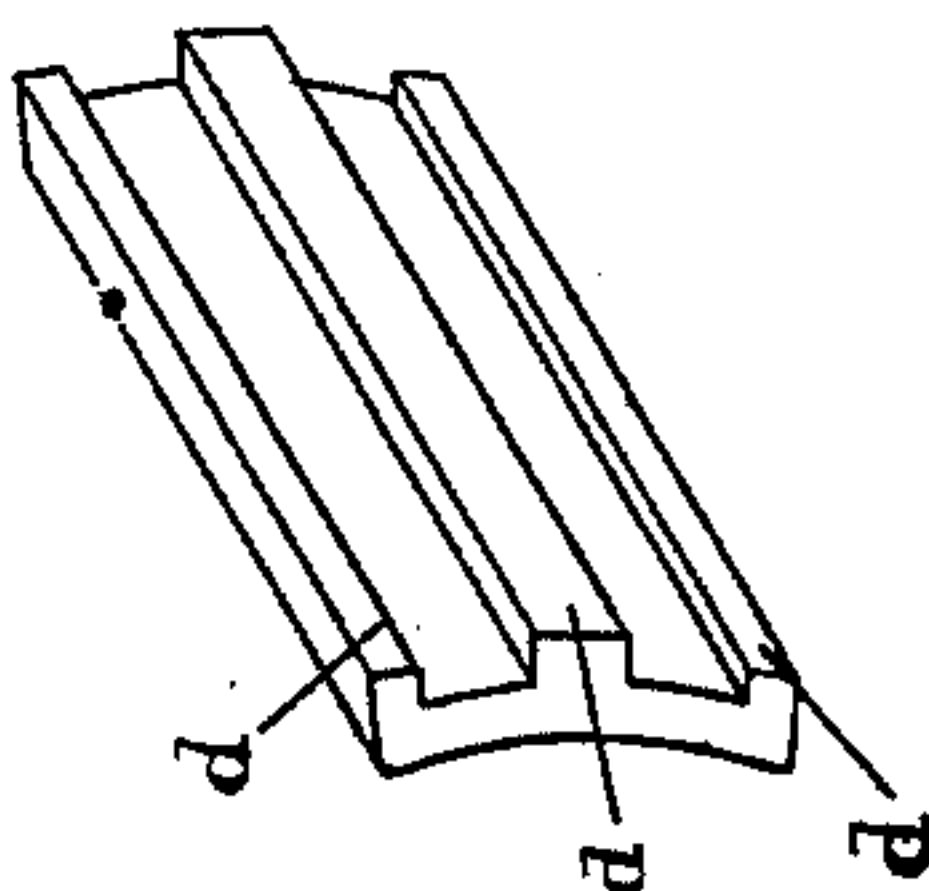
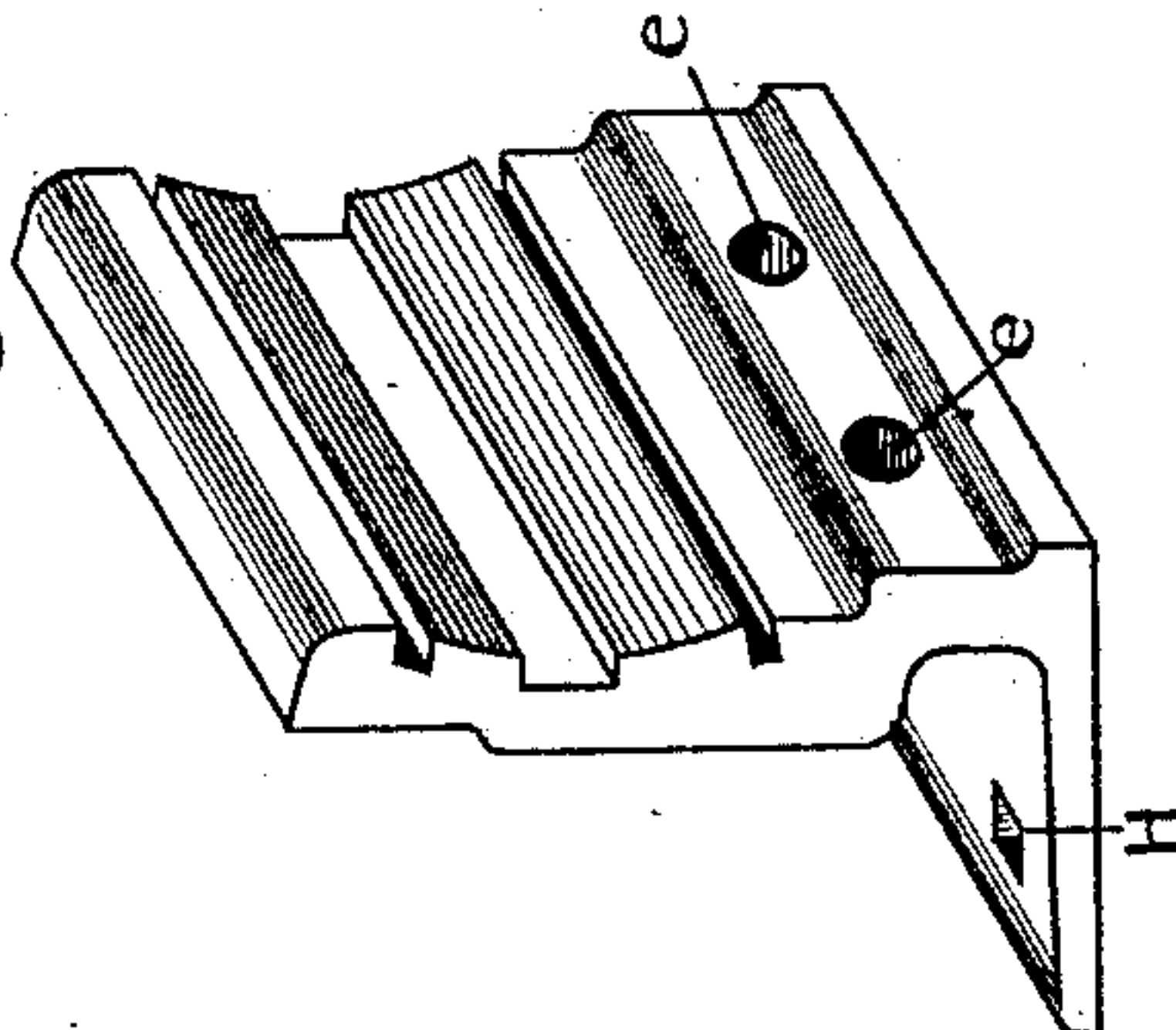


Fig. 2.



Witnesses:

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ARTHUR J. MOXHAM, OF JOHNSTOWN, PENNSYLVANIA.

RAIL-CHAIR FOR GIRDER-RAILS.

SPECIFICATION forming part of Letters Patent No. 394,079, dated December 4, 1888.

Application filed February 15, 1888. Serial No. 264,085. (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 Rail-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 to provide a two-part chair which shall be locked to the rail by means of ribbed clamps and bolts, avoiding the use of keys.

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

In the accompanying drawings, Figure 1 shows the chair in end elevation, having a girder-rail secured thereto by ribbed clamps and bolts, the rail and clamps being shown in cross-section. Fig. 2 shows in perspective one half or part of the chair detached. Fig. 3 shows in perspective the other half or part of the chair. Fig. 4 shows a modification of the chair shown in Fig. 1. Fig. 5 shows the ribbed clamp detached.

In said figures the several parts are indicated by letters as follows:

The letter A indicates one part of the chair; B, the other part; C, the rail, and D the ribbed clamps, whose ribs *d* enter recesses formed in the sides of the chair to receive said ribs. Said clamps are given some elasticity or "spring," for a purpose hereinafter described.

The two parts A and B of the chair are secured and held together by the bolts E in holes *e*.

In Fig. 4 is shown a modification of chair

secured to a center bearing-rail, in which one of the ribbed clamps is dispensed with and one side, A, of the chair is fitted to make close contact with the web of the rail.

In securing this chair and rail together it is only necessary to enter each part of the chair over the web of the rail under its head, and then to hold said parts together loosely by the bolts E until the ribbed clamps D are slid in place between the sides of the chair and the web of the rail, to which they are fitted with a splice-bar fit. Now by setting up tightly on the nuts of the bolts E the two parts of the chair are firmly set together, slightly springing the clamps D hard against the under part of the head of the rail and on top of its filleted foot, so that rail and chair are held secure against both lateral and vertical displacement. These chairs may have holes H through their flanges *f*, for spiking or otherwise securing the chairs to the cross-ties of the track.

Having thus fully described my said improvement, as of my invention I claim—

1. A two-part rail-chair for girder-rails, provided with vertical webs and a ribbed clamp or clamps having a splice-bar fit to the rail, and with bolts connecting the two parts of the chair together through the vertical webs, substantially as and for the purposes set forth.

2. The spring ribbed clamp D, shaped as described, substantially as and for the purposes set forth.

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