

(No Model.)

I. LORENZEN.

DEVICE FOR STRETCHING BED BOTTOMS.

No. 272,721.

Patented Feb. 20, 1883.

Fig 1.

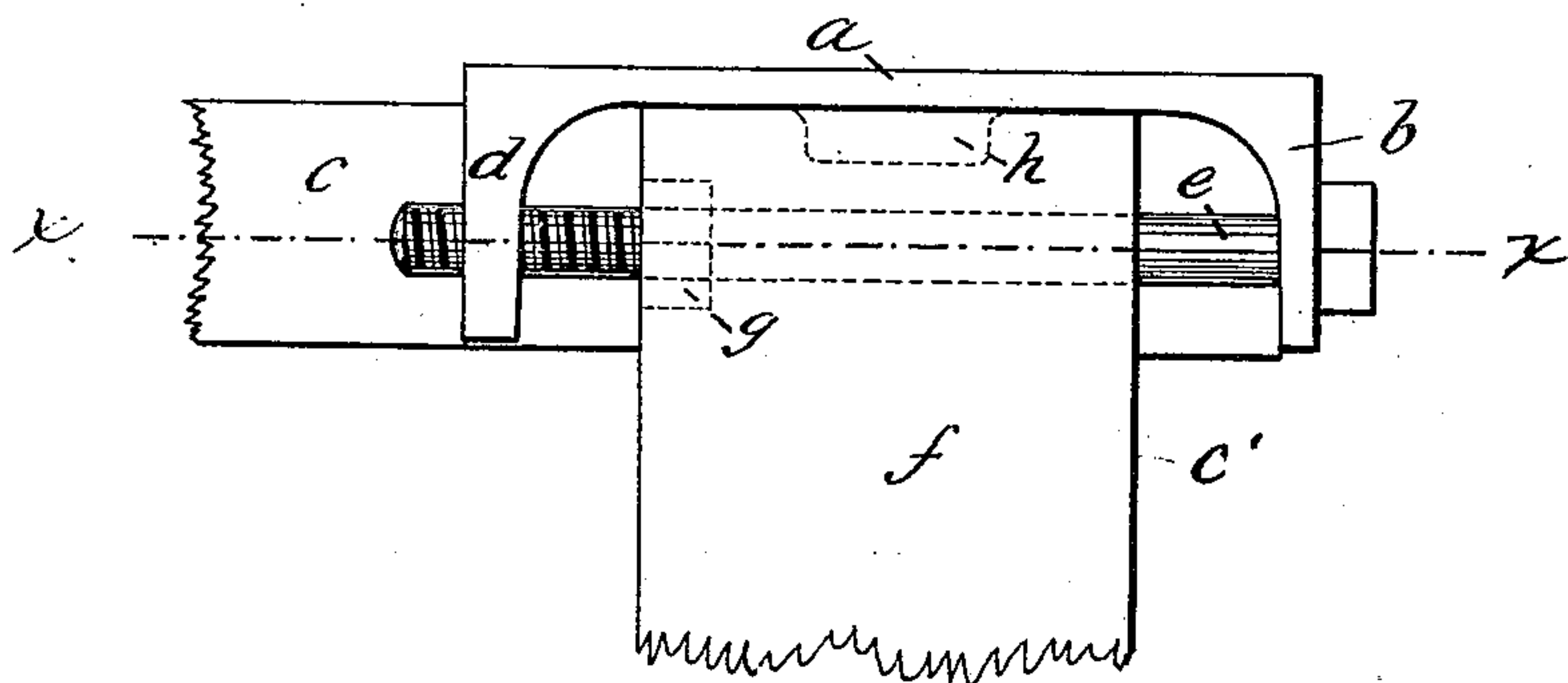
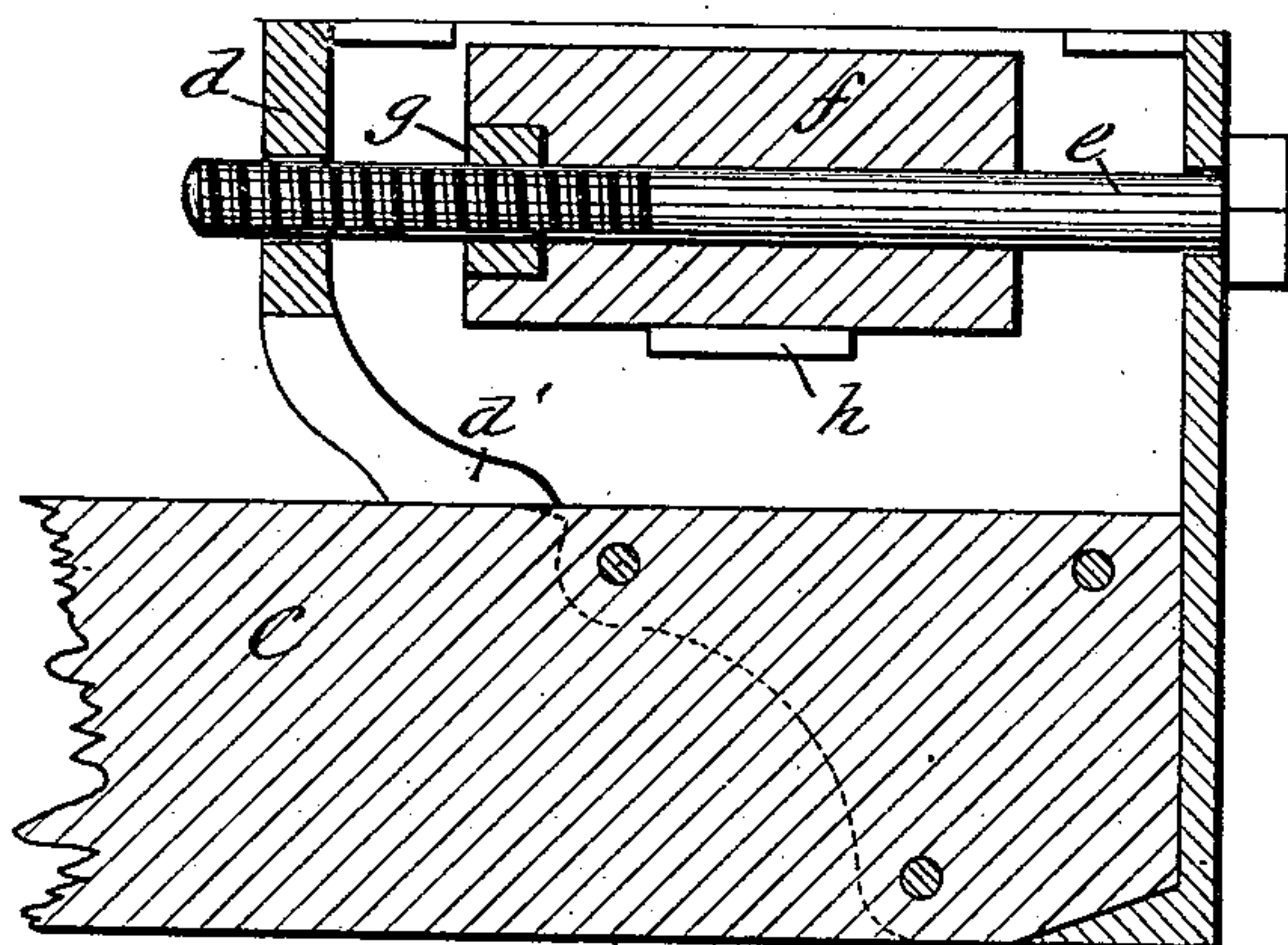


Fig 2.



Witnesses
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UNITED STATES PATENT OFFICE.

IMMANUEL LORENZEN, OF HARTFORD, CONNECTICUT, ASSIGNOR TO THE
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DEVICE FOR STRETCHING BED-BOTTOMS.

SPECIFICATION forming part of Letters Patent No. 272,721, dated February 20, 1883.

Application filed November 1, 1882. (No model.)

To all whom it may concern:

Be it known that I, IMMANUEL LORENZEN, of Hartford, in the county of Hartford and State of Connecticut, have invented certain
5 new and useful Improvements in Devices for Stretching Bed Bottoms, of which the following is a description, reference being had to the accompanying drawings, where—

Figure 1 is a top view of a portion of the
10 side and end rails of a bedstead-frame secured by my improved iron. Fig. 2 is a view of same in vertical section on plane denoted by line *x* of Fig. 1.

My invention relates to the class of corner-
15 irons used on bedstead or mattress frames adapted for a mattress of woven wire or similar fabric; and it consists in the peculiar device for supporting and adjusting the end rails of the frame at the corners, as hereinafter more
20 fully described.

In the accompanying drawings, the letter *a* denotes a plate of cast metal, preferably iron, having the lateral flanges *b*, against which the
25 end of the side rail, *c*, abuts, and the flange *d*, which has a flat base, *d'*, resting upon the upper side of the side rail. These flanges are perforated in a line parallel to the side rail for the passage of the bolt *e*, which bears the nut
30 *g*, usually socketed in the side of the end rail, *f*, through which the bolt also passes.

Upon the inner side of the plate there is an inwardly-projecting web, *h*, arranged parallel to the upper face of the side rail, and forming
35 a seat or rest upon which the end of the end rail slides. The parts are assembled as shown, and the fabric, which is secured in the usual

manner to the edge *c'* of the end rail, is stretched or loosened by turning the bolt *e*, as by means of a wrench applied to its head. All downward pressure upon the end rail is borne by
40 the bolt resting in the bearings in the flanges and the web *h* below the end of the rail, and the web and bolt thus placed keep the end rails in a plane parallel to the side rails.

In some frames the end rails are fitted to
45 sockets in the corner-irons; but this is a faulty method, as the shrinking of the wood allows the rails to become loose and to turn in the socket under the tension of the fabric, slackening it. In my device the rail is securely held
50 by the bolt against rotation, and this serves to preserve a uniform tension after the bed is set up, and this tension may at any time be increased by the means and method above described.

I claim as my invention—

1. A corner-iron having the lateral flanges perforated as a bearing for a bolt supporting an end rail, all substantially as described.

2. In combination, in a mattress-frame, a corner-iron, *a*, having perforated flanges *b* *d*, bolt
60 *e*, nut *g*, end rails, *f*, and side rails, *c*, all substantially as described.

3. In combination, in a mattress-frame, a corner-iron, *a*, having perforated flanges *b* *d*, web
65 *h*, bolt *e*, nut *g*, end rails, *f*, and side rails, *c*, all substantially as described.

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Witnesses:

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