(No Model.)

J. F. BLAIR.

BEDSTEAD BRACE.

No. 458,265. Patented Aug. 25, 1891.

Fig. 1.

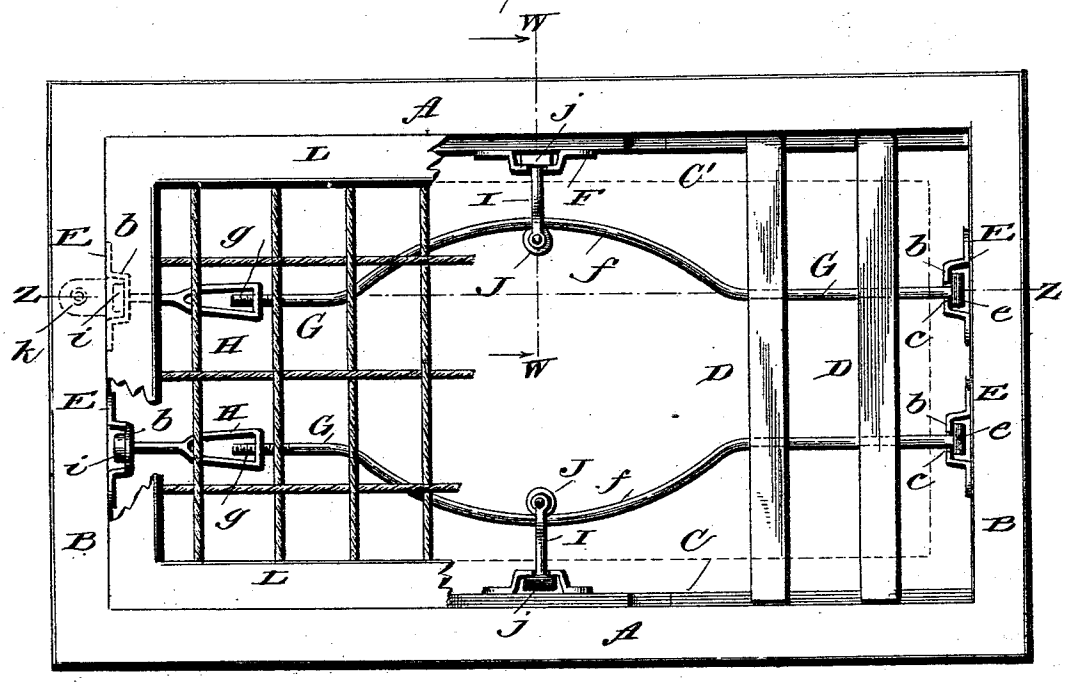


Fig. 2.

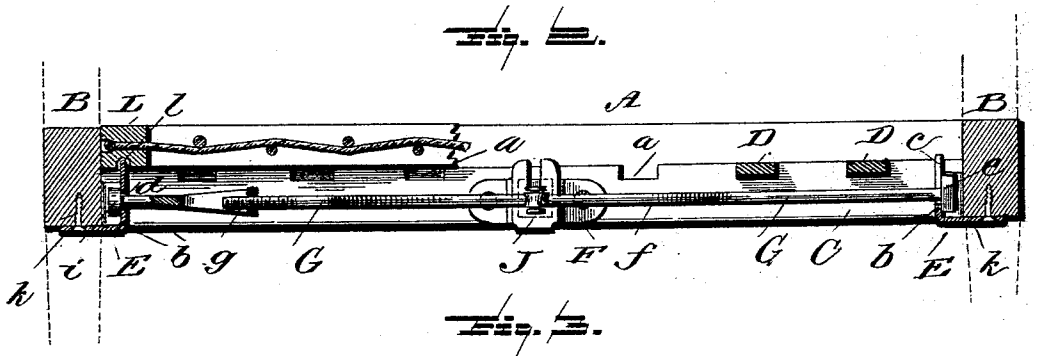
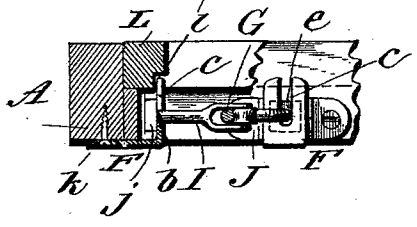


Fig. 3.



Witnesses
L. C. Hills.
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Joseph F. Blair.
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THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JOSEPH F. BLAIR, OF HIGH POINT, NORTH CAROLINA, ASSIGNOR OF ONE-HALF TO SAMUEL E. WILLIS, OF SAME PLACE.

BEDSTEAD-BRACE.

SPECIFICATION forming part of Letters Patent No. 458,265, dated August 25, 1891.

Application filed May 6, 1891. Serial No. 391,736. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH F. BLAIR, a citizen of the United States, residing at High Point, in the county of Guilford and State of North Carolina, have invented certain new and useful Improvements in Bedstead-Braces; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

This invention relates to certain new and useful improvements in braces or stays for bedsteads; and it has for its objects, among others, to provide an improved brace and stay which can be readily applied and which will give strength and support to all parts of the bedstead, the pressure being to the center from all parts of the bedstead, and it can be employed on a corded bedstead as well as one with a lock, and obviates the danger and discomfort so often experienced by a defective or broken lock or loose slat.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a plan view with portions broken away, showing the application of the invention. Fig. 2 is a vertical longitudinal section on the line *z z* of Fig. 1. Fig. 3 is a detail, partly in section, the section being taken on the line *w w* of Fig. 1.

Like letters of reference indicate like parts throughout the several views in which they occur.

Referring now to the details of the drawings by letter, A designates the side rails, and B the end rails, of the bedstead, which may be of any well-known or approved construction.

C are rails secured to the inner faces of the side rails and provided with the slat-receiving notches *a* for the reception of the slats D when such are employed.

To the inner faces of the end rails are secured the castings E, two upon each, and each formed with a vertical portion *b* standing out from the main body of the casting and provided with a vertical slot *c* open at the top. If preferred, the castings upon one end may not be provided with this slot, but with an opening *d*, as seen in Fig. 2, through which the swivel, hereinafter described, may pass.

At the longitudinal centers of the side rails or the rails C, when the latter are employed, are secured the castings F, similar to the castings at the ends, these being provided with the vertical slots open at the top, as seen in Figs. 1 and 3.

G are the rods extending lengthwise of the bedstead and at one end formed with a flat enlarged head *e*, which is held in the castings at one end, the rod being passed through the open slots in the castings, as shown, so that they may be readily inserted in place or removed when desired. These rods are outwardly curved between their ends, as shown at *f*, and their other ends are screw-threaded, as shown at *g*, and engaged with swivels H, which have enlarged flat heads *i*, which are held in the castings upon the end of the bedstead, as shown.

In the castings, at the longitudinal centers of the side rails, are held the bifurcated rods I, which at their outer ends are provided with enlarged flat heads *j*, held in the castings, and in the bifurcations are journaled the grooved rollers J, over which the rods G pass, as seen in the several views.

The several castings are formed with horizontal portions *k* at their lower ends, which are secured to the under sides of the side and end rails in any suitable manner, as seen in Figs. 2 and 3. The vertical portions of the castings extend slightly above the upper faces of the rails C, as shown in Figs. 2 and 3, and are designed to enter into grooves or notches *l* in the surrounding frame of a corded support L, as seen in Figs. 2 and 3. By turning up on the swivels the bedstead will be strained toward the center from all parts. The rollers permit of ready movement of the rods, and the curvature of the said rods serves to draw toward the center from the sides. A stay or brace thus constructed can be provided at small cost, is readily applied, and in

practice has proved most efficient for the purpose for which it is intended.

What is claimed as new is—

1. The combination, with the bedstead, of the longitudinal rods oppositely curved near their centers, guide-rods for the curved portions and for connecting them to the side rails, and means for drawing the rods endwise, substantially as specified.

2. The combination, with the end and side castings, of the longitudinal rods held in the end castings, oppositely curved near their centers, and at one end provided with adjusting means, and guide-rods for connecting the curved portions of the rods with the side rails, substantially as specified.

3. The combination, with the slotted end and side castings, of the longitudinal rods curved near the center of their length, held in the castings at one end, the swivels on the other ends of the rods, the roller-guides for the curved portions of the rods, and means for connecting the said curved portions with the said roller-guides, substantially as specified.

4. The combination, with the slotted end and side castings, of the longitudinal rods removably held at one end in the end castings and curved outwardly near the centers, the swivels held in the castings at the opposite end, the adjustable connection between the swivels and the rods, the bifurcated rods held in the castings on the sides, and the grooved rollers journaled in the bifurcations of the said side rods and having the longitudinal rods working in the bifurcations and over the rollers, substantially as shown and described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOSEPH F. BLAIR.

Witnesses:
J. W. JONES,
J. B. BEST.