

(No Model.)

O. S. FOSTER.
BEDSTEAD FASTENING.

No. 529,486.

Patented Nov. 20, 1894.

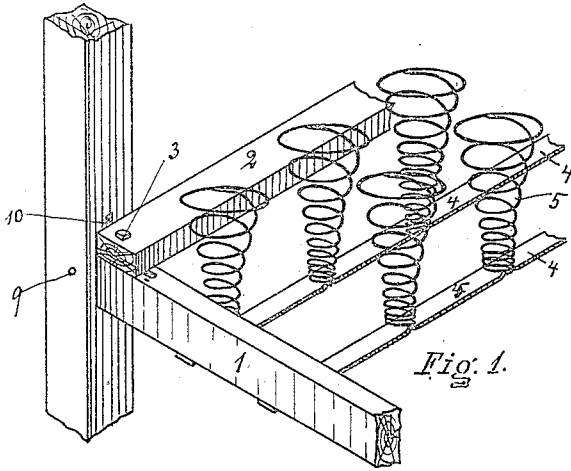


Fig. 1.

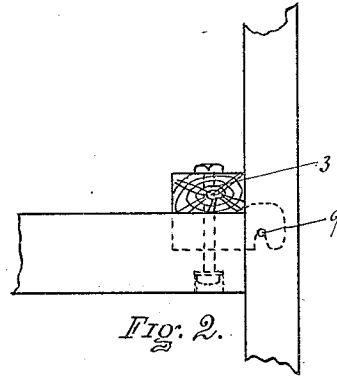


Fig. 2.

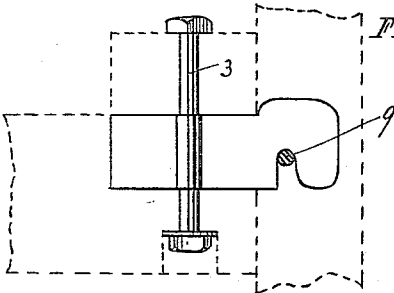


Fig. 3.

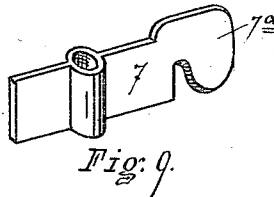


Fig. 4.

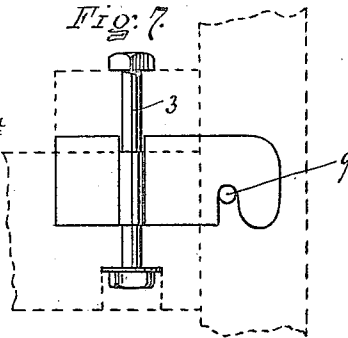


Fig. 5.

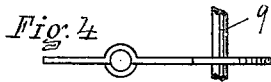


Fig. 6.

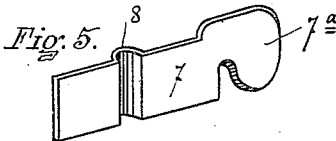


Fig. 7.



Fig. 8.

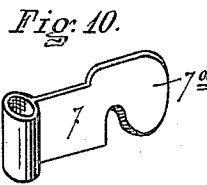


Fig. 9.

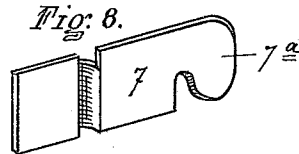


Fig. 10.

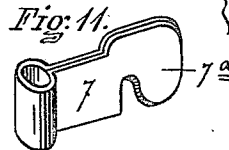


Fig. 11.

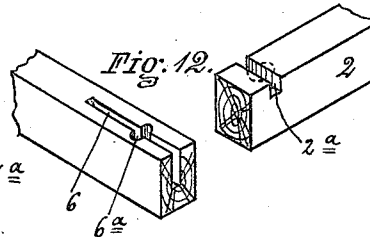


Fig. 12.

WITNESSES.
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OSCAR S. FOSTER, OF UTICA, NEW YORK.

BEDSTEAD-FASTENING.

SPECIFICATION forming part of Letters Patent No. 529,486, dated November 20, 1894.

Application filed December 14, 1892. Serial No. 455,108. (No model.)

To all whom it may concern:

Be it known that I, OSCAR S. FOSTER, of Utica, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Bedstead-Fastenings; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to an improvement in bedsteads.

In the drawings, Figure 1 shows in perspective the corner of a bed frame in connection with a portion of a leg or post. Fig. 2 shows in side elevation a portion of a post and bed frame showing the improved means for attaching the frame to the post. Fig. 3 shows the attaching parts removed, the frame and post being shown in dotted outlines. Fig. 4 shows a plan view of the attaching hook and a section of the pin located in the post on which it engages. Figs. 5 and 6 show the parts shown in Fig. 4 separately. Fig. 7 shows a modified form of construction in connection with outlines of the bed frame and post. Fig. 8 shows the hook or connection shown in Fig. 7, in perspective. Figs. 9, 10 and 11 show other modified forms of construction. Fig. 12 shows the end of the side rail and the inverted end of the cross-bar, showing the cuts or recesses for receiving the fastener.

Referring more particularly to the reference numerals marked on the drawings, 1 indicates the side rails, and 2 the cross-bars which are secured rigidly together by a bolt 3 and which form the bed bottom frame. On the under side of the frame are secured metal cross strips 4—4 on which are mounted conical spiral springs 5—5. This particular form of bed bottom, however, is not essential. The devices hereinafter described are equally applicable to a common wire fabric bed bottom of any other construction in which a rigid frame is used. In the end of the side rail is provided a recess 6 with a circular enlargement 6^a, and which recess is adapted to re-

ceive the attaching hook 7. The hook 7, as shown in Figs. 3, 4 and 5, is provided on one side with a semi-cylindrical sleeve 8 adapted to enter the recess 6^a in the side of the rail, and through this sleeve passes the bolt 3 and secures the hook from being withdrawn toward the end of the side rail. In connection with the sleeve 8 formed integral with the body of the hook may be provided an extra semi-sleeve 8^a, adapted, in connection with sleeve 8, to completely encircle the bolt 3. The hook 7^a of the attaching piece is adapted to engage upon a cross pin 9 extending across a groove-like recess 10 in the post 12. The side of the cross-bar 2, which engages in the side rail may be provided with a notch 2^a of width coinciding with the thickness of the attaching hook shank and adapted to receive the edge of the hook, which may be allowed to project above the side of the side rail. When the cross-bar is secured upon the side rail by bolt 3, the upper edge of the shank of the attaching hook 7 extends into the notch 2^a and prevents the frame bars swiveling upon each other and forms a rigid connection. In case the upper edge of the shank of the hanger hook is intended to enter the notch in the cross-bar, either a circular enlargement as shown in dotted lines on the cross-bar in Fig. 12, is provided or the semi-sleeve portion 8 of the hanger hook is shortened as shown in Fig. 8, so that no portion of the sleeve will enter the cross-bar. In the modified form of construction shown in Figs. 9 and 10, a complete tubular sleeve is formed in the body of the hook, and in the construction shown in Fig. 11 the same form is obtained as that shown in Fig. 10 by bending out of sheet metal or band iron. The recesses and cuts in the side rails and cross-bars are saw cuts.

In applying the hanger when it does not enter the cross bars, it is introduced in the recess 6 with its sleeve portion in the enlarged portion 6^a and its upper edge a trifle above the upper surface of the side rail. The semi-sleeve 8^a, if used, is then driven in to complete the sleeve and wedge it in the side rail. The cross-bar is then applied and the bolts introduced and screwed up until the cross-bar comes down to a firm bearing on the top of the side rail and the edge of the hanger

hooks becomes somewhat embedded in the under side of the side rail by reason of the pressure exerted by the bolt.

It is evident that many other forms and modifications of construction of the device may be made without departing from the spirit of my invention.

What I claim as new, and desire to secure by Letters Patent, is—

10 1. The combination with the frame of a bed bottom of a leg engaging hook having a shank received in a slot or recess in the end of the side rail of the frame and secured in place by the cross-bar bound onto the edge of the
15 hook shank and side rail by a bolt passing through both, as set forth.

2. The combination of cross-bars and side rails forming a rigid bed frame, a bed post and a hook adapted to engage the leg having
20 a shank adapted to be received in a recess in the end of the side rail, the shank having a transverse semi-cylindrical sleeve and a bolt passing through the side rail and cross-bars and the sleeve, substantially as set forth.

25 3. The combination of cross-bars and side rails forming a bed frame, a leg, and a leg engaging hook having a plate-like shank

adapted to be received in a slot in the end of the side rail, the shank having a transverse sleeve adapted to engage in depressions at
30 the side of the slot, and a bolt passing through the cross-bar and side rail and through the sleeve, substantially as set forth.

4. The combination of cross-bars and side rails forming a frame, a leg having a vertical
35 hanger slot and a transverse pin therein, a hanger hook having a plate-like shank with a transverse half sleeve adapted to enter a corresponding shaped recess in the end of the side rail, an independent half sleeve and a
40 bolt passing through the cross-bar and side rail, and the sleeve formed by the two half sleeves, substantially as set forth.

5. The combination of a leg, a side rail and a hanger hook having a plate-like shank
45 adapted to be received in a recess in the side rail, the shank having a transverse half sleeve, substantially as set forth.

In witness whereof I have affixed my signature in presence of two witnesses.

OSCAR S. FOSTER.

Witnesses:

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WILLIAM V. JONES.