

H. S. Wing,

Bedstead Fastener.

No. 20329.

Patented May 18. 1869.

Fig. 1

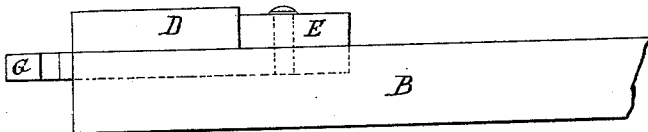


Fig. 2.

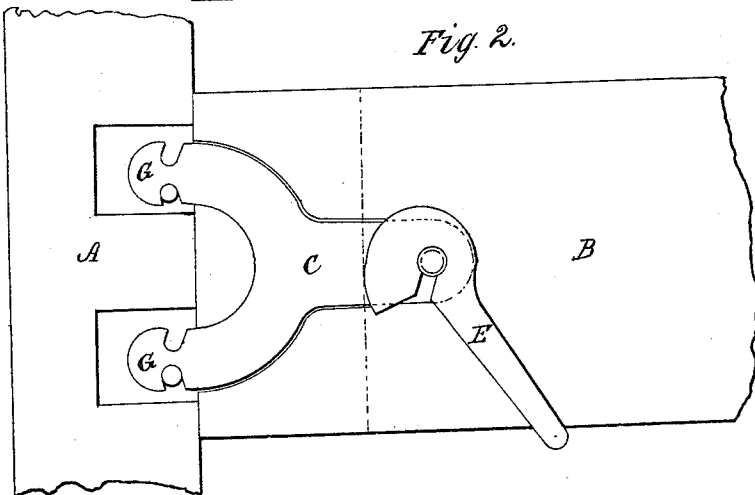
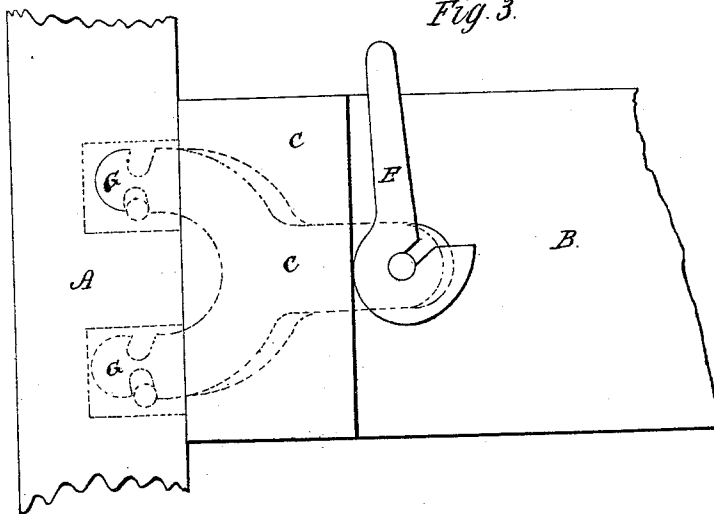


Fig. 3.



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H. S. WING, OF PLATTSBURG, NEW YORK.

Letters Patent No. 90,329, dated May 18, 1869.

IMPROVED BEDSTEAD-FASTENER.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, H. S. WING, of Plattsburg, in the county of Clinton, and in the State of New York, have invented certain new and useful Improvements in Bed-Joint Fasteners; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The object of my invention is to provide a cheap, simple, and effective fastener for beds, tables, or other joints, or pieces of wood joined together; and consists in the arrangement of the devices hereafter set forth and described.

Figure 1 is an edge view of my invention.

Figure 2 is a side elevation of the same, when the hooked bolt is secured in position.

Figure 3 is a similar view of the same, when the hooked bolt is loose, ready to be fastened.

Letter A represents a common bed-post, to which is attached the rail B.

Each end of this rail has a bed or opening sunk in its face, corresponding to the size and shape of the hooked bolt C, just under the cleats D. These openings or beds should be a little longer than the hook, so as to allow them to slide freely backward and forward.

Sunk into these beds are the hooked bolts C, by means of which the posts and rails are secured firmly together.

The hooked bolts are mere flat iron plates, provided with a knob or button upon one end, while the other is formed into two small prongs, which have a notch cut upon both top and bottom.

In the side of the post A there are two small mortises cut, in the lower parts of which a bolt is passed,

upon which the notches on the prongs catch, so as to hold the rail tightly against the posts.

By having the notches cut in each side, the rail can be turned around, and the ends reversed.

Attached to the hooked bolt C is the increasing-cam E, which has a slot cut in it, so as to pass under the head of the knob or button upon the hook. By pressing this cam downward, the increasing part is made to bear against the edge of the cleat, thus drawing the hooked bolt backward, making the hooks on the ends grasp the bolts firmly and tightly, thus drawing and holding the post and frame together. By means of this slot in the cam, it can be removed from the plate, so that, when the rail has been reversed, it can be moved from the under to the upper side again.

Around the edge, where this cam bears against the cleat, it should be provided with a rim, so as to make the edge thicker, and prevent its cutting into the cleat.

This hooked bolt can also be formed in the shape of a horseshoe or half moon, and the cam be placed within the curve. The bolt then, upon which the cam would turn, would be passed through the cleat and cam into the rail, the increase of the cam bearing upon the inside of the bolt instead of upon the cleat as now.

Having thus described my invention,

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

The combination of the plate C, with prongs G G, notched on both sides, and the cam-lever E, all arranged to operate substantially as set forth.

In testimony that I claim the foregoing, I have hereunto set my hand and seal, this 13th day of April, 1869.

H. S. WING. [L. s.]

Witnesses:

F. A. LEHMANN,
J. M. MASON.