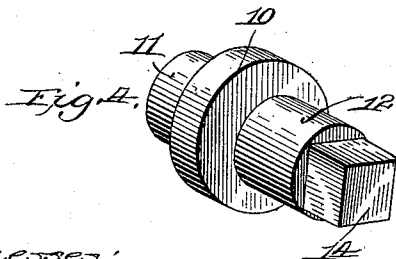
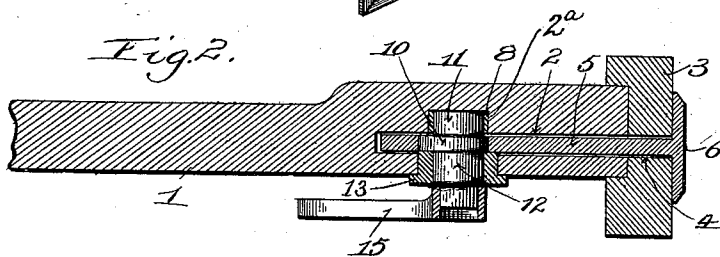
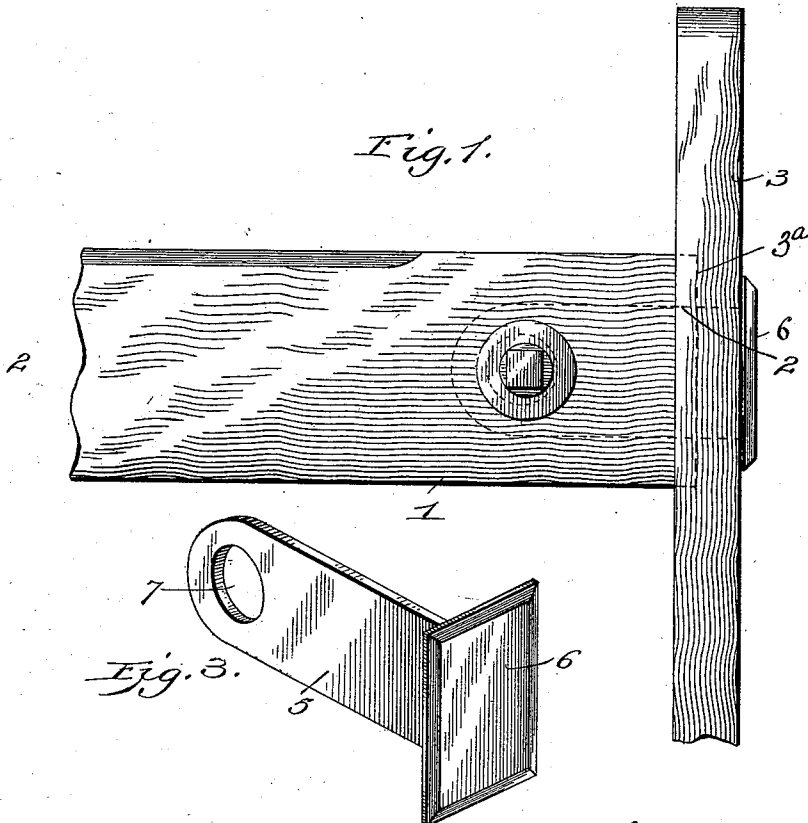


(No Model.)

W. H. MAGALIS.
BEDSTEAD FASTENING.

No. 552,068.

Patented Dec. 24, 1895.



Witnesses:
Harry S. Pohn.
Walter E. Allen.

Inventor:
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by *Knight Bros*
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UNITED STATES PATENT OFFICE.

WILLIAM H. MAGALIS, OF CLIFTON FORGE, VIRGINIA, ASSIGNOR OF ONE-HALF TO JOHN W. HASKINS, OF SAME PLACE.

BEDSTEAD-FASTENING.

SPECIFICATION forming part of Letters Patent No. 552,068, dated December 24, 1895.

Application filed May 13, 1895. Serial No. 549,205. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. MAGALIS, a citizen of the United States, residing at Clifton Forge, Alleghany county, Virginia, have
5 invented certain new and useful Improvements in Bedstead-Fastenings; and I do hereby declare the following specification to be a full, clear, and exact description of my invention, such as will enable those skilled in the
10 art to make and use the same.

The object of my invention is to provide a simple, economical, and efficient means for detachably securing the side rails to the head-board and foot-board of a bed. In such fastenings it is very desirable to have simplicity
15 and strength in order to render the joints vermin-proof and free from liability to breakage.

My invention consists of a headed fastening-plate adapted to pass entirely through a suitable slot or opening in the posts of the head-board and foot-board, and a cam or eccentric
20 shaft having suitable thimble-bearings in the side rails and engaging in an opening formed in the fastening-plate and adapted to be rotated to clamp the parts together.
25

In order that my invention may be fully understood, I will first describe the same with reference to the accompanying drawings, and afterward particularly point out the novelty
30 in the annexed claim.

In said drawings, Figure 1 is a detail side elevation of a portion of a side rail and post secured together by means of my improved fastening device. Fig. 2 is a horizontal sectional view taken on line 2 2 of Fig. 1. Figs.
35 3, 4, and 5 are enlarged detail perspective views of the detached parts of the fastening device.

1 is the side rail of the bed-frame formed with a longitudinal mortise-opening 2 extending in from one end, and a transverse circular opening 2^a extending in from the inner face
40 of the rail and communicating with the mortise-opening 2.

3 is the post of the head-board or foot-board formed with a slot 4 extending through it and corresponding with and forming a continuation of the mortise-opening 2 of the side rail 1. The rail 1 is preferably set into a mortise 3^a
45 into the post 3.

5 is my improved fastening-plate provided with an enlarged flanged head 6 formed integral with its outer end and a journal open-
50

ing 7 adjacent to its inner end. The fastening-plate 5 is preferably formed broad and thin, and the mortise-opening 2 and slot 4 are
55 of sufficient size to freely admit the plate. The plate is inserted from the rear of the post 3 through slot 4 into the mortise-opening 2 until the opening 7 comes opposite the transverse circular opening formed in the side rail. 60

8 is a circular bearing-cavity preferably lined with a metal inner bearing-thimble and in line with the opening in the side rail 1 and on the opposite side of the mortise-opening 2. 65

10 is a cam or eccentric formed integral with the hub portions 11 and 12 and adapted to be fitted into the side openings in the rail 1 with the inner hub 11 journaled in the bearing-thimble 2^a and the outer hub 12 journaled in the removable outer bearing-thimble 13, 70 which is fitted over the hub 12 and completely fills the circular opening in the side rail. The bearing-thimble 13 is formed preferably with an annular flange.

14 is a squared head formed integral with the cam 10 and adapted to receive the wrench 15 by which the cam is rotated for locking the
75 parts together.

The operation of my device is very simple, it being necessary to simply insert the fastening-plate 5 through the post 3 and into the mortise-opening 2, when the cam 10 is slipped
80 in place into engagement with the journal opening 7 and the thimble 13 slipped over the hub 12. The wrench 15 is then applied and the cam rotated, the effect being to draw the plate 5 longitudinally and secure the rail 1 and post 3 securely together. 85

By having the fastening-plate passed entirely through the post 3 the fastening device
90 is made much stronger. The thimble 13 closes up all opening in the bearing parts, while the head 6 closes up any opening in the slot 4, so that the fastening will be found to be vermin-proof. 95

Having thus fully described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

The combination of the post 3 having a vertical plain rail-mortise 3^a and a vertical slot 4
100 extending through the post from the mortise, the rail 1 inserted in the vertical mortise and having a longitudinal mortise opening 2 in the end thereof and a circular transverse cavity

8 extending across the longitudinal mortise opening and providing a cam-shaft bearing and the corner fastening comprising a concealed vertical plain plate 5 extending entirely
5 through the slot in the post and into the longitudinal slot of the rail having a circular opening 7 at its inner end providing a cam-bearing and a transverse flanged head 6 at its
outer end seating against the outside of the post, the cam-shaft having an inner hub 11, a 10 cam 10, an outer hub 12 and a head 14, substantially as shown and described.

WILLIAM H. MAGALIS.

Witnesses:

JOHN W. HASKINS,
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