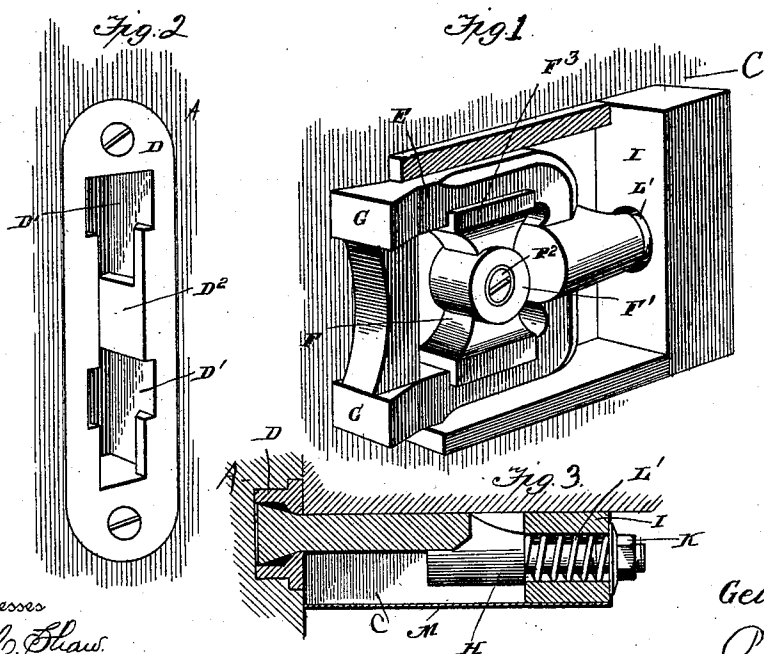


(No Model.)

G. H. CLINE.
BEDSTEAD LOCK.

No. 586,948.

Patented July 20, 1897.



Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE H. CLINE, OF DICKSON, TENNESSEE.

BEDSTEAD-LOCK.

SPECIFICATION forming part of Letters Patent No. 586,948, dated July 20, 1897.

Application filed December 15, 1896. Serial No. 615,763. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. CLINE, residing at Dickson, in the county of Dickson and State of Tennessee, have invented a new and useful Bedstead-Lock and Slat-Fastener, of which the following is a specification.

This invention relates generally to bedsteads, and more particularly to a lock or fastening device for uniting the side rails with the head and foot boards.

The prime object of my invention is to provide an exceedingly cheap, simple, and efficient means for coupling or fastening the side rails to the head or foot boards, which means can be quickly and easily operated to attach and detach the said parts; and another object is to so construct the said parts as to form a positive binding connection.

The invention consists in certain details of construction and novelties of combination, all of which will be fully described hereinafter and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a detail view of the casting secured to the side rail, said illustration showing the manner of securing said casting by means of the guide-plate. Fig. 2 is the socket-plate or casting secured to the head-board or foot-board of the bed, and Fig. 3 is a detail sectional view of the lock.

In carrying out my invention I employ a head-board A and foot-board B and side rail C, all of which are of the usual or any approved construction. A socket-plate or casting D is attached to the head and foot boards at the corner-post thereof, said post of course being recessed or mortised to receive the said socket-plates or castings, and by referring especially to Fig. 2 it will be noted that at the upper and lower ends of the said socket-plate or casting are provided the keyhole-shaped openings D', which are connected by an intermediate slot or passage-way D². An open rectangular-shaped casting E is attached to the rail of the bed by means of a guide-plate F, said plate having a central boss or hub F', through which the securing-screw F² is passed, and said plate is also provided with overlapping flanges F³, which engage the upper and lower members of the rectangular-shaped casting, and thereby hold the said casting in place against the side rail of the bedstead.

The rear ends of the upper and lower members of the frame are made dovetailed, as shown at G, said dovetailed ends being adapted to be inserted into the socket-plate or casting, the said casting G being first inserted into the enlarged portion of the slot D' and then forced down into the contracted portion, the dovetails G engaging with the shoulders formed upon the inner sides of the contracted portions of the slot, and thereby securely connect the rectangular casting and the socket-plate or casting, and inasmuch as the rectangular-shaped casting is connected to the side rails of the bed it is clear that the side rail and head or foot board will be securely united.

The rectangular-shaped casting E is also provided with a forwardly-projecting spindle H, said spindle extending through a block I, attached also to the side rail of the bed, and upon the forward end of the said spindle is arranged a nut K, by means of which the frame can be drawn forwardly after it has been connected with the head-board in order to make the connection more secure. A spiral spring L surrounds the reduced end of the spindle within the block I, and thereby holds the rectangular-shaped casting against rattling when the said casting is disengaged from the head or foot board. Thus it will be understood that whenever it is desired to effect a coupling or connection between the side rail or foot-board the dovetailed ends of the rectangular-shaped casting are simply inserted into the keyhole-shaped openings of the casting-plate or socket and pushed downwardly.

If desired, the casting-frame can then be tightened in the head or foot boards by simply tightening the nut K, the guide-plate F permitting the necessary longitudinal movement of the said casting-frame.

A casing M, of wood or metal, can be attached to the block I and side rail in order to protect the operative parts of the fastening from contacting with the mattress or bed-clothes.

Thus it will be seen that I provide a cheap, simple, and efficient coupling or locking device by means of which the side rails can be quickly and easily secured to the head and foot boards.

Having thus described my invention, what

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

1. The combination with a bedstead, of a locking device comprising the rectangular-shaped casting provided with the outer enlarged ends and having the inwardly-projecting spindle, means for securing said casting to the side rails of the bed, a socket-plate attached to the head or foot board adapted to engage the enlarged portion of the casting, the same having the approximately keyhole-shaped opening, the block provided with a coiled spring thereon, and the tightening-nut arranged on the inner end of the spindle, substantially as set forth.

2. The combination with a socket-plate adapted to be secured to a head or foot board of a bedstead, of a casting adapted to be secured to the rail and provided with enlarged

outer ends and a spindle projecting from its inner end, means for securing the said casting to the rail so as to have movement thereon, a socket-block through which the spindle of the casting projects and a nut on the end of the spindle, substantially as and for the purpose set forth.

3. In a bedstead-lock, a casting having dovetail projections at one end and provided with a threaded spindle projecting from its opposite end and a guide-plate having a central aperture for securing it in place and provided with flanges overlapping the members of the casting, and a nut on the end of the spindle, substantially as described.

GEORGE H. CLINE.

Witnesses:

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C. A. MYATT.