No. 794,039. PATENTED JULY 4, 1905.

J. NELSON.

BED RAIL FASTENER FOR IRON BEDS.

APPLICATION FILED SEPT. 22, 1904.

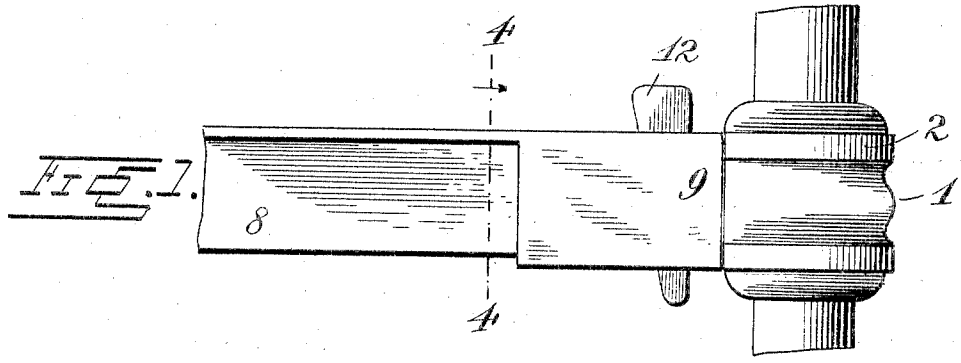

Fig. 1.

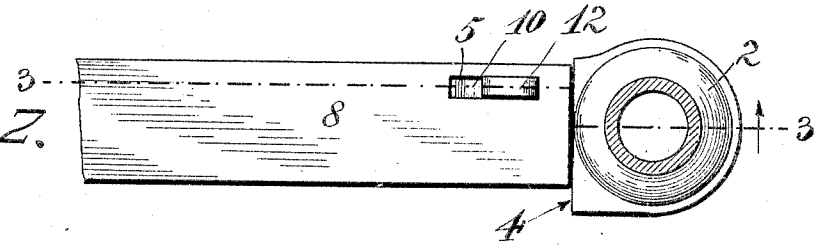

Fig. 2.

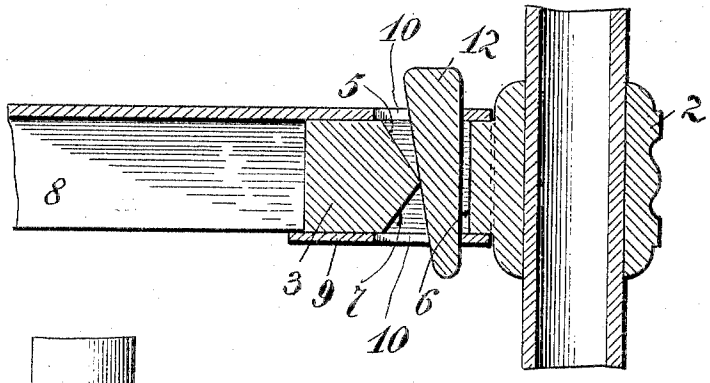

Fig. 3.

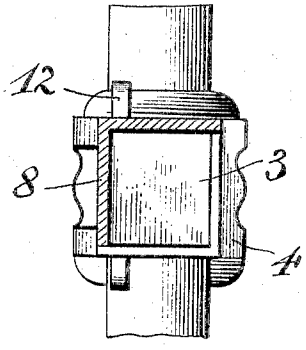

Fig. 4.

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UNITED STATES PATENT OFFICE.

JOHN NELSON, OF OTTAWA, KANSAS.

BED-RAIL FASTENER FOR IRON BEDS.

SPECIFICATION forming part of Letters Patent No. 794,039, dated July 4, 1905.

Application filed September 22, 1904. Serial No. 225,507.

To all whom it may concern:

Be it known that I, JOHN NELSON, a citizen of the United States, residing at Ottawa, in the county of Franklin and State of Kansas, have invented certain new and useful Improvements in Bed-Rail Fasteners for Iron Beds; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in bed-rail fastenings for iron beds.

The object of the invention is to provide an improved fastening of this character whereby the rails may be readily engaged with and locked to the corner-posts of a bedstead in such a manner as to prevent their casual disconnection, but which will allow said parts to be quickly and easily separated when desired.

A further object is to provide a fastening for bed-rails which will permit said rails to be reversed and by which they may be used on either side of the bed.

With these and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be hereinafter more fully described, and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a side elevation of a portion of a corner-post and the end of a bed-rail looking toward the inner side of the same. Fig. 2 is a top plan view thereof. Fig. 3 is a vertical sectional view of the same on the line 3 3 of Fig. 2, and Fig. 4 is a cross-sectional view on the line 4 4 of Fig. 1.

Referring more particularly to the drawings, 1 denotes the fastener, consisting of a post member 2, which may be secured to the bed-post in any suitable manner and is provided with a laterally-projecting tongue or tenon 3, at the inner end of which on the member 2 is formed a shoulder 4. In the outer face of the tenon 3, near the inner end thereof, is formed a vertically-disposed recess 5. The wall 6 of the recess 5 adjacent to the post member 2 is vertical or perpendicular, while the opposite wall 7, or that farthest from said post member, is flared outwardly or inclined from its center toward each end of said recess.

The tenon 3 may be of any suitable shape in cross-section, but is here shown and is preferably formed square, and with the same is adapted to be engaged a rectangularly-shaped sleeve or socket member 9. The rail 8 is preferably formed of angle-iron and is formed at each end with a sleeve or socket 9, having four sides, the right-angularly-disposed sides of the same forming two sides of the sleeve or socket 9, the two opposite sides of the same being cast integral with said right-angularly-disposed sides of the rail. In the upper and lower sides of the sleeve or socket 9 are formed alined apertures 10, which are here shown in the form of slots. When the sleeve on the end of the rail 8 is engaged with the tenon on the post member 2, the alined apertures 10 will register with the recess 5. When the end of the rail and the post member are so attached or engaged, a wedge-shaped key 12 is adapted to be inserted into the same, and when so inserted will pass between and engage the central portion of the inclined wall 7 of the recess on one side, while the opposite side of the same will be engaged with the opposite walls of the slots or apertures 10 in the socket of the bed-rail, so that when said wedge-shaped key is forced into said apertures 10 the end of the rail 8 will be forced into tight engagement with the shoulder on the post member 2, thereby firmly and rigidly holding the end of the rail in place.

By forming apertures 10 in the socket 9 of the same size and in alined positions and inclining the walls 7 of the recess 5, both above and below the center of the same, the rails 8 may be reversed or used on either side of the bed.

A bed-fastening constructed as herein shown and described provides a simple, strong, and durable and inexpensive connection for the side rails and corner-posts of a bedstead, said connection being readily made

and easily disconnected when desired to take down said bedstead, but which will not be casually disconnected.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A bed-rail fastener, comprising a post member having a tenon projecting therefrom and a shoulder at the base of the tenon, the latter being provided with a transverse opening, one side of which is beveled on inwardly-converging lines, and a bed-rail made of angle metal and formed at its end with a sleeve or socket having four sides, two of which are formed by the flanges of the rail, the said sleeve or socket being of such size as to fit on the tenon and being provided with openings in opposite sides to register with the ends of the opening in the tenon, and a key in said registering openings bearing against one side of the openings in the sleeve or socket and against the angle at the convergence of the beveled sides in the opening in the tenon, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN NELSON.

Witnesses:
VERNER SMITH,
G. C. SMITH.