E. V. LOUKES.

BEDSTEAD AND LIKE JOINT.

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1,411,046. Patented Mar. 28, 1922.

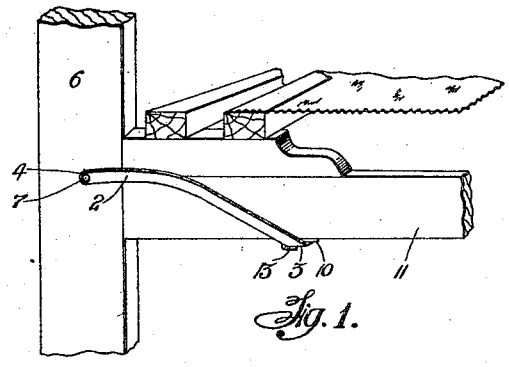


Fig. 1.



Fig. 2.



Fig. 3.

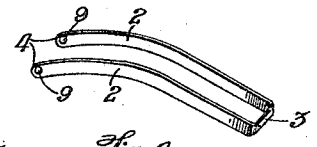


Fig. 4.

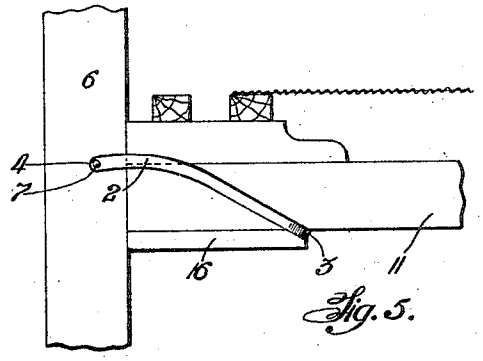


Fig. 5.

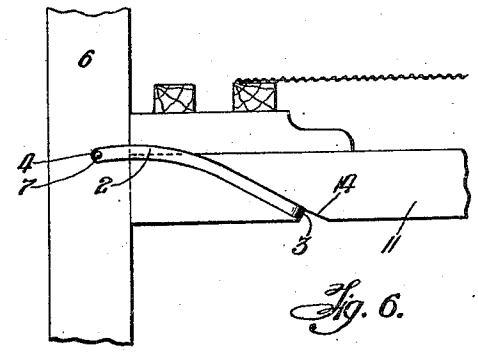


Fig. 6.

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BEDSTEAD AND LIKE JOINT.

1,411,046. Specification of Letters Patent. Patented Mar. 28, 1922.

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To all whom it may concern:

Be it known that I, ERNEST VALENTINE LOUKES, a subject of the King of Great Britain and Ireland, and a resident of the city of Brighton, a suburb of the city of Melbourne, in the county of Bourke, State of Victoria, Commonwealth of Australia, whose post-office address is 26 Young Street, in the postal district of Middle Brighton, have invented a certain new and useful Improved Bedstead and like Joint, of which the following is a specification.

This invention relates particularly to devices for attaching wire mattresses to the vertical posts or end members of bedsteads.

The object of the invention is to provide an improved device especially designed for the purpose mentioned but also applicable to other analogous uses where two abutting members need to be detachably united at right angles to each other. The chief advantages of the invention are cheapness and simplicity combined with strength, ease of application, compactness, absence of sharp or rough edges liable to tear bedclothes, and elimination of loose parts which are likely to become mislaid or lost during transit.

Referring to the drawings which form part of this specification:—

Figure 1 is a perspective view showing the invention applied to a bedstead.

Figure 2 is a perspective view of a metal yoke according to the invention.

Figure 3 shows a catch which may be used in conjunction with the yoke seen in Figure 2.

Figure 4 shows a slightly modified form of yoke.

Figures 5 and 6 illustrate convenient modes of applying the yoke seen in Figure 4.

The invention includes a metal yoke constructed preferably of a flat metal strip bent to a substantially U shape in plan, thus forming two opposite legs 2 united by an integral bridge portion 3. In side elevation the legs 2 are preferably curved or bent as shown so that they are inclined downwardly from their extremities 4 towards the bridge portion 3. As seen in Figures 1 and 2 said bridge portion of the yoke may be twisted in relation to the two legs thereof so that the bridge portion lies flat beneath the mattress rail.

The yoke is pivoted at its open end to the vertical post or end member 6 of the bed or the like by a transverse pivot pin or bolt 7 which passes through the post and through opposite holes 9 formed to receive it in the ends of the legs 2.

In combination with the yoke seen in Figures 1 and 2, a co-operating catch 10 (Figure 3) is secured to the underneath surface of the mattress rail 11 or the like as in Figure 1. This catch preferably consists of a flat metal plate adapted to be screwed to the mattress rail by screws passing through the holes 12, and having one end turned down to form a hook as at 13. This hook is adapted to engage the twisted or flat bridge of the yoke as in Figure 1 when the device is in use.

Instead of employing the catch plate and twisting or flattening the bridge portion of the yoke as in Figures 1 to 3, it will be evident that the yoke may be formed as seen in Figure 4 in which case the bridge portion of the yoke may engage either a transverse groove or recess 14 formed in the lower surface of the mattress rail as in Figure 6, or the end of a wooden or other cleat 16 which is secured to the bottom of the mattress rail as in Figure 5.

To detachably unite a vertical and a horizontal element such as a bed post and mattress rail, according to the invention, the mattress rail is placed with its end adjoining the respective bed post the yoke being then swung upwardly so that its bridge is engaged with the hooked catch plate or with bottom of the mattress rail as in Figures 5 and 6. The rail is thus accommodated between the two legs of the yoke with its end face abutting against the bed post. By thus attaching each corner of the mattress it is firmly secured to the posts or end members of the bed and may be readily detached by knocking up the end of the mattress so that the bridge of the yoke is released from the catch or the like beneath the mattress rail. The yoke may then be swung back against the bed post or end member for storage or transport.

It will be seen from the foregoing that there are no separate or loose parts whatever to become lost or mislaid when the bedstead is dismantled, the invention providing an extremely cheap, simple and effective jointing device for purposes of the kind indicated.

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

1. The combination with bed posts and mattress rails of a bed structure, of a substantially U-shaped yoke having the free ends of the legs thereof pivotally connected to opposite sides of the bed post substantially in line with the upper edge of the rail, the yoke including a bridge portion uniting said legs remote from the pivotal mounting, said bridge portion being adapted to underlie the mattress rail with the legs snugly fitting the sides of said rail, and means whereby the rail is interlocked with the bridge piece to prevent relative outward movement of the rail with respect to the bed post.

2. The combination with bed posts and mattress rails of a bed structure, of a substantially U-shaped yoke having the free ends of the legs thereof pivotally connected to opposite sides of the bed post substantially in line with the upper edge of the rail, the yoke including a bridge portion uniting said legs remote from the pivotal mounting and adapted to underlie the mattress rail with the legs snugly fitting the sides of said rail, and a catch of hook form adapted to be secured to the under-surface of the mattress rail and to receive the bridge portion of the yoke to interlock said bridge portion with the mattress rail.

In testimony whereof I affix my signature.

E. V. LOUKES.

Witness:

CECIL W. LE ELESTRECS.