M. D. L. MARTIN.

BEDSTEAD LOCK OR JOINT.

APPLICATION FILED MAR. 6, 1909.

931,447. Patented Aug. 17, 1909.

Fig. 1

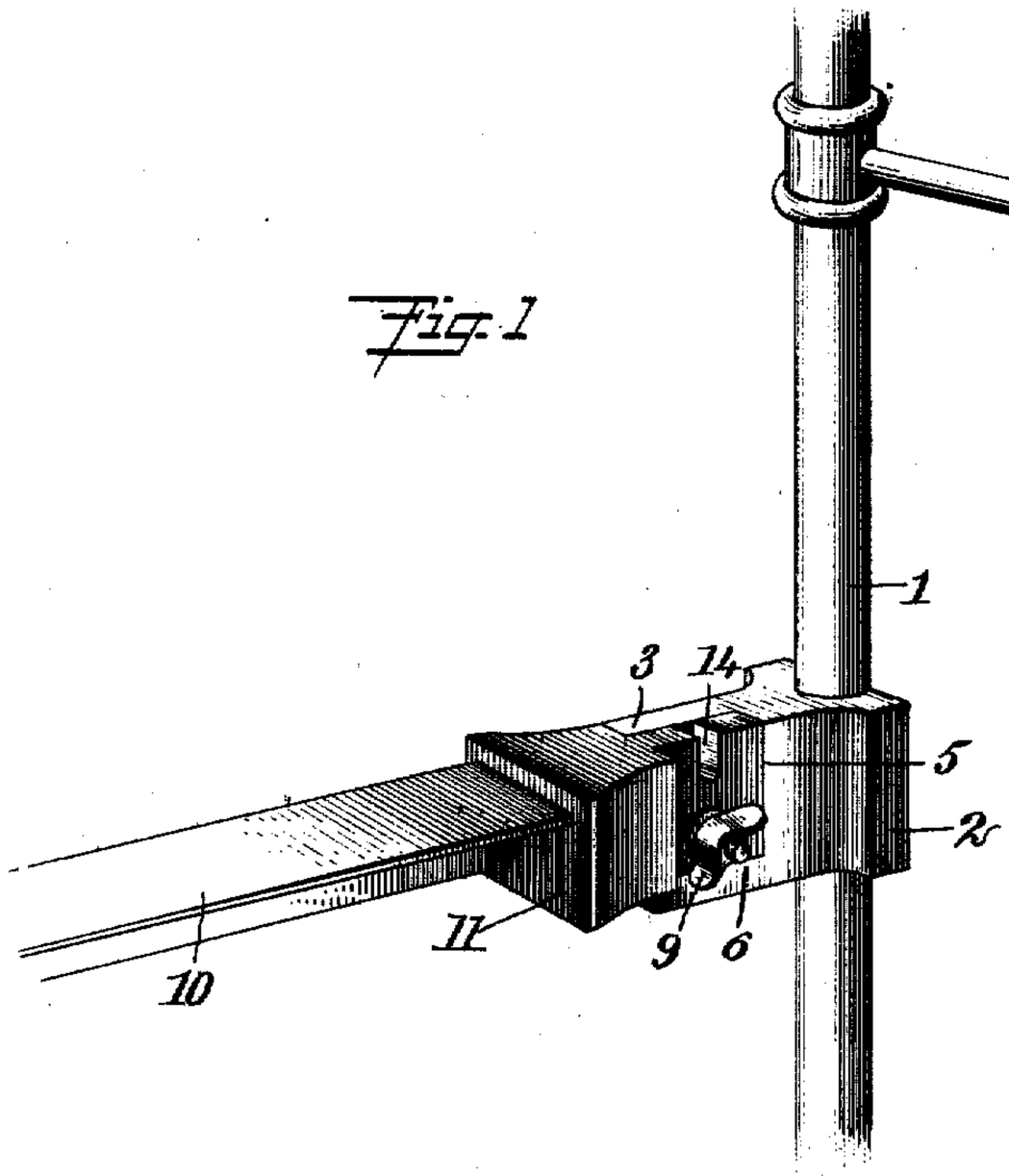
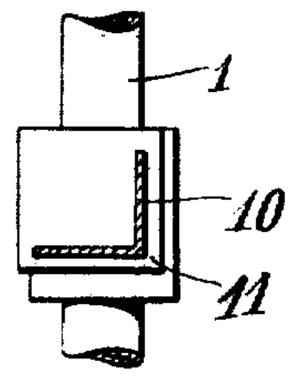


Fig. 4



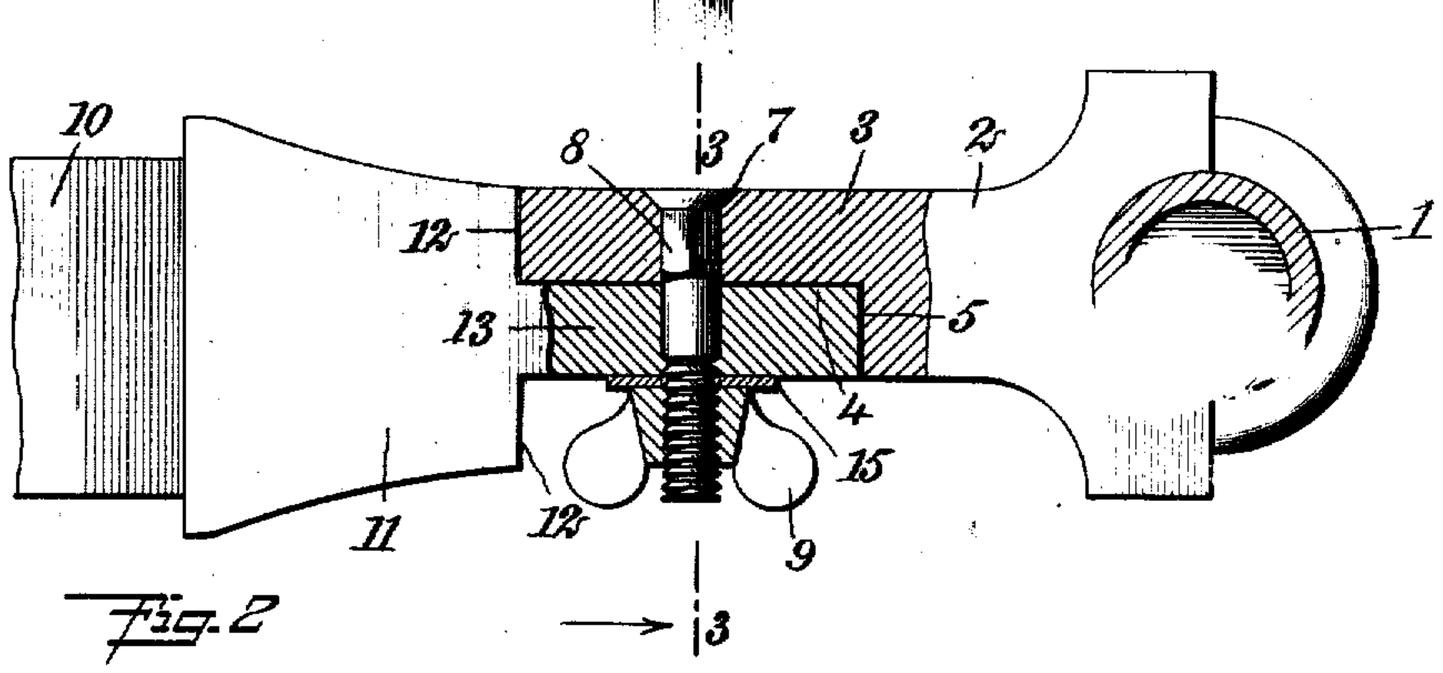


Fig. 2

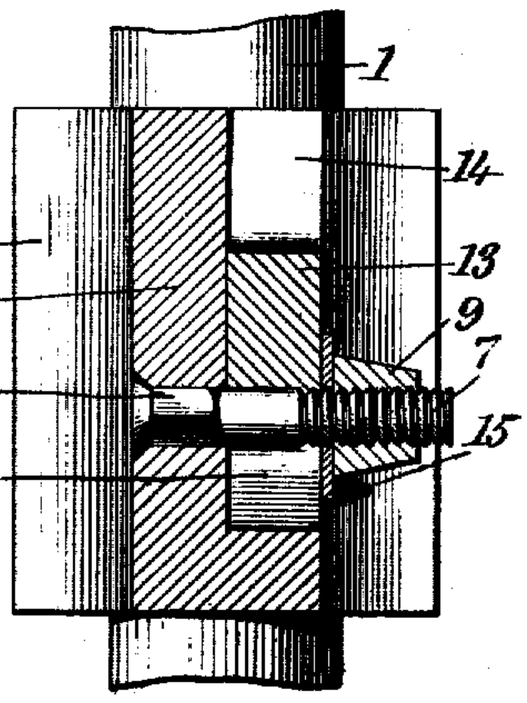


Fig. 3

WITNESSES

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BEDSTEAD LOCK OR JOINT.

No. 931,447. Specification of Letters Patent. Patented Aug. 17, 1909.

Application filed March 6, 1909. Serial No. 481,610.

To all whom it may concern:

Be it known that I, MACK D. L. MARTIN, a citizen of the United States, and a resident of Houston, in the county of Harris and State of Texas, have invented a new and Improved Bedstead Lock or Joint, of which the following is a full, clear, and exact description.

This invention relates to bedsteads, and particularly to a construction of the lock or joint which connects the side rails of the bedstead with the head and foot thereof.

The object of the invention is to produce a lock or joint of simple construction which will afford means for securing the side rails rigidly and in a reversible manner; and further, to provide such a construction which will relieve the fastening bolts of shearing strain.

The invention consists in the construction and combination of parts to be more fully described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective showing a lock or joint constructed according to my invention, together with the contiguous parts; Fig. 2 is a plan and partial section further illustrating the construction of this lock; Fig. 3 is a vertical section through the lock, taken on the line 3—3 of Fig. 2; and Fig. 4 is a vertical cross section through the side rail, looking toward the lock and showing the rail in a reversed position.

Referring more particularly to the parts, 1 represents one of the corner posts of the bedstead, either at the head or foot thereof. On this post there is rigidly secured in any suitable manner, a bracket 2; this bracket has a horizontally projecting neck 3 which is cut away on one side so as to form an angular or square socket 4, presenting a longitudinal side face and an end face 5, and a horizontal shoulder or seat 6 on the under side. The depth of this socket is substantially the same as that of the neck 3. In the neck 3 and at the socket 4, a bolt 7 is provided, having a square shank 8 seating in a square opening in the neck, which prevents the bolt from rotating. The extremity of this bolt is threaded so as to receive a wing nut 9, as indicated. The side rail 10 of the bedstead may be in the form of an angle iron as shown. At the end of this rail an enlargement or head 11 is attached in any suitable manner. This head is of massive form and tapers slightly toward the bracket 2. It presents two vertical shoulders 12, between which there is formed a centrally disposed tongue 13 which is received in the socket 4 as indicated. The upper and lower edges of this tongue 13 are formed with slots 14 which are disposed opposite to each other as indicated. These slots are in alinement with the bolt 7.

In setting up the bedstead the wing nut 9 is loosened on the bolt 7, and the tongue 13 is lowered down into the socket so that the slots 14 on the lower side thereof will engage and receive the bolt. In this way the under edge of the tongue 13 seats itself on the shoulder or seat 6. The end of the tongue 13 comes against the shoulder 5, and the shoulder 12 on the head 11 comes against the end of the neck 3. The side of the tongue comes against the side of the socket. Under the wing nut 9, a washer 15 of suitable form is applied, and after the parts have been brought together as shown, the wing nut 9 is tightened up. This rigidly secures the head to the bracket. At the same time the entire weight supported by the side rail 10 is received on the shoulder or seat 6. In this way the bolt 7 is relieved of all shearing strain. The nut 9 simply operates to prevent the head 11 from becoming dislodged from the bracket, and at the same time securely holds the tongue 13 to the rack 11.

On account of the double arrangement of the slots 14 it is possible to attach the side rail in a reversed position. In this connection attention is called to Fig. 4 and to the fact that the tongue 13 is in a central position, so that when the side rail is reversed as shown, the end of the neck 3 comes against the opposite shoulder 12.

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

1. In a bedstead lock, a bracket having a socket formed therein presenting a side face and a supporting shoulder projecting therefrom, a transverse bolt mounted in said bracket and passing through said side face and through said socket, and a side bar having a head with a tongue projecting therefrom, the lower edge whereof seats on said

shoulder, said tongue having a slot in the edge thereof receiving said bolt, and having a side face received against the said side face of said socket.

2. In a bedstead, a bracket secured to the bed-post, presenting a socket in the side thereof, said socket having a face extending longitudinally and a supporting seat, a side bar having a head with a tongue received in said socket, the lower edge of said tongue being received on said seat, said tongue having slots in the upper and lower edges thereof, and a horizontal bolt mounted in said bracket passing transversely through said bracket and one of said slots.

3. In a bedstead, in combination, a post, a bracket rigidly attached thereto and having a socket on the side face thereof presenting a supporting seat, a bolt passing horizontally through said socket and mounted in said bracket, a side bar having a head with a centrally disposed tongue, and shoulders at the sides of said tongue at the root thereof, said tongue having slots in the upper and lower edges thereof either of which may receive said bolt in applying said head to said bracket.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MACK D. L. MARTIN.

Witnesses:

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