No. 808,501. PATENTED DEC. 26, 1905.

J. M. ADAMS.

CORNER FASTENING FOR METAL BEDS.

APPLICATION FILED MAY 24, 1905.

Fig. 1.

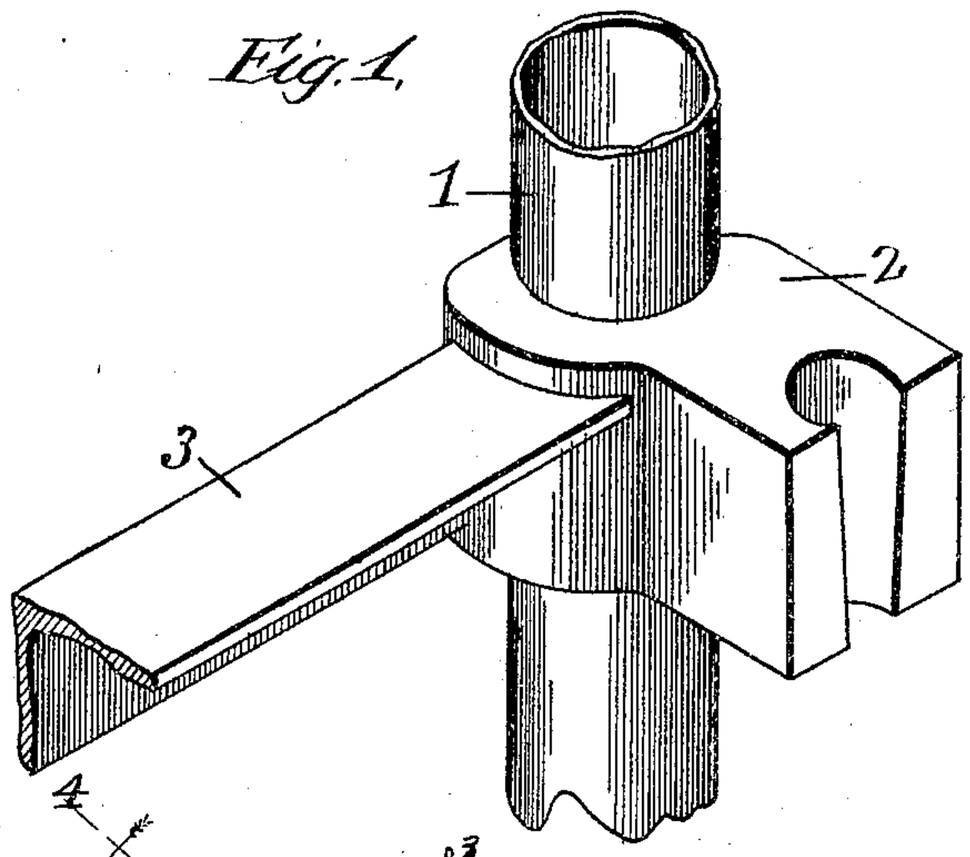


Fig. 2.

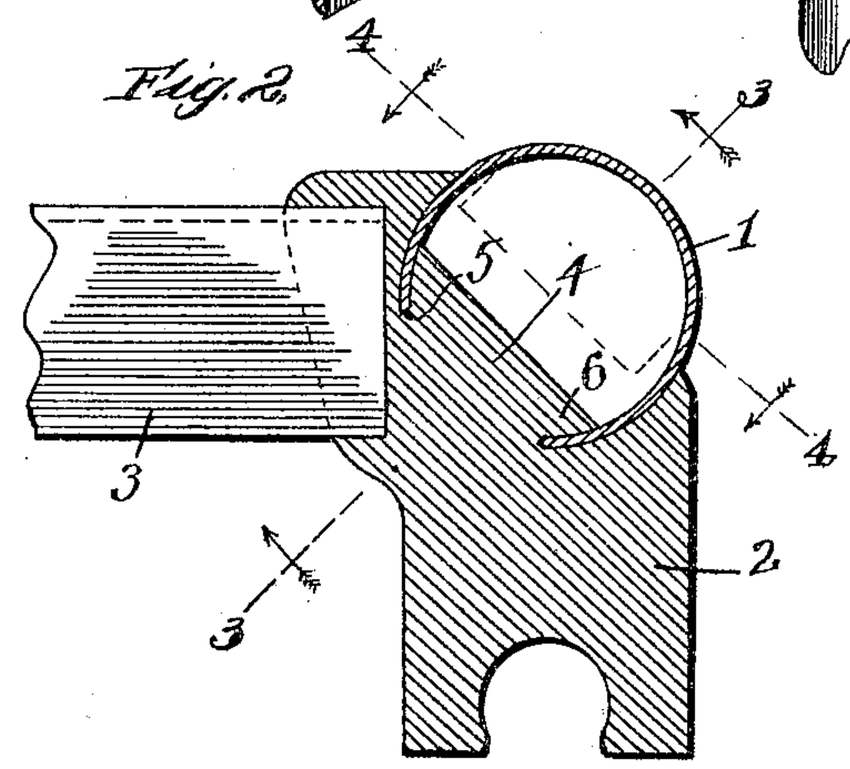


Fig. 5.

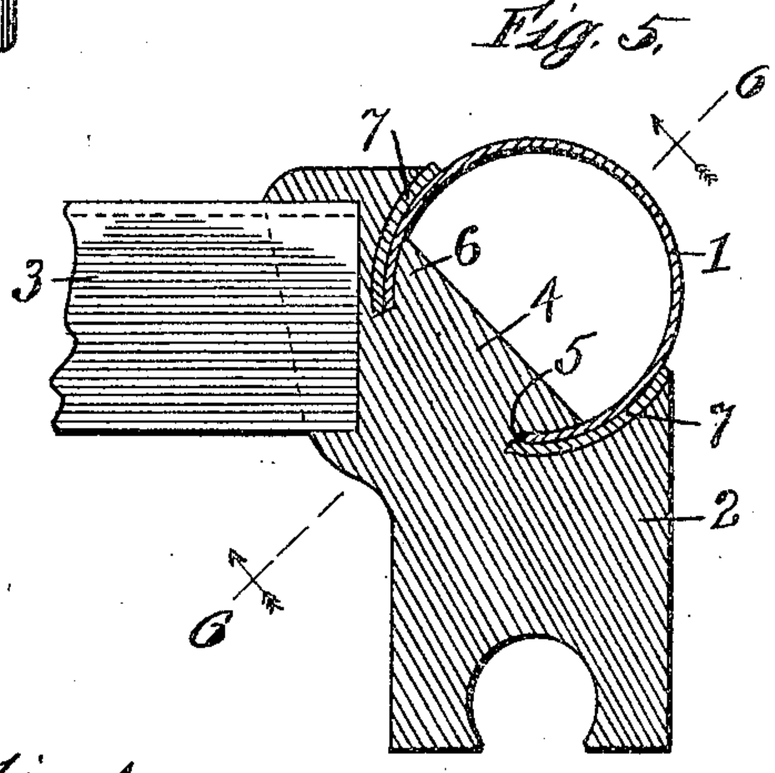
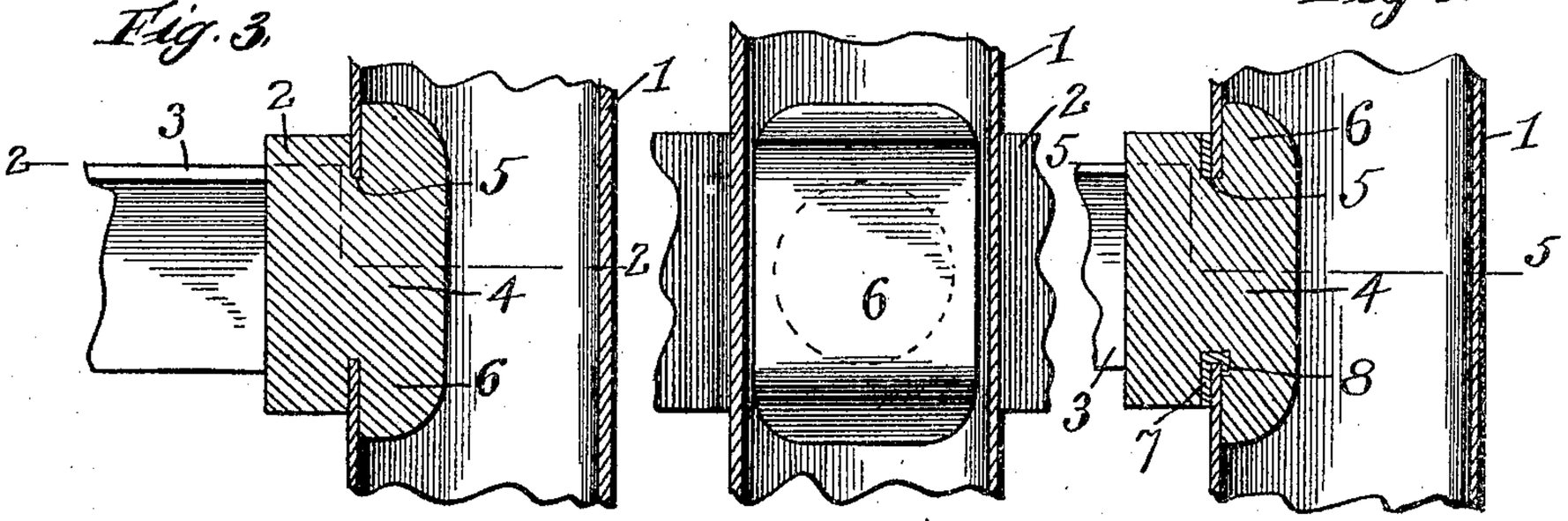


Fig. 4.

Fig. 6.

Fig. 3.



Witnesses.

Charles B. Gilleon.

Edward H. Yaple.

Inventor.

John M. Adams.

By Chas. E. Baldo,

Atty.

UNITED STATES PATENT OFFICE.

JOHN M. ADAMS, OF CHICAGO, ILLINOIS.

CORNER-FASTENING FOR METAL BEDS.

No. 808,501. Specification of Letters Patent. Patented Dec. 26, 1905.

Application filed May 24, 1905. Serial No. 261,973.

To all whom it may concern:

Be it known that I, JOHN M. ADAMS, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Corner-Fastenings for Metal Bedsteads, of which the following is a specification.

This invention relates to corner-fastenings for metal bedsteads.

One object of the invention is to provide improved means for securing the corner-fastenings of metal bedsteads to the posts thereof which will be simple, strong, and durable.

A further object of my invention is to reduce the cost of bedsteads the posts of which are made of brass tubing or of steel tubing covered with thin brass tubing.

As at present commonly constructed the corner-fastenings entirely surround the posts, in some cases being cast directly thereon and in other cases being made separate therefrom and secured thereto by means of pins or in other desired manner. In brass bedsteads said corner-fastenings are almost universally covered with sheet-brass, and ornamented brass fittings are secured to the posts on both sides of said corner-fastenings to give an ornamental finish to the posts, said fittings being usually secured in position by means of set-screws threaded into the posts. With my improved construction corner-fastenings may be used which only partially surround the posts and in such position that they will be practically hidden by the bedding, whereby it is possible to effect a material reduction in the cost of the bedsteads, primarily by dispensing with the brass ornaments used to cover said corner-fastenings and the work incident to securing them to the posts and also on account of the less quantity of iron required for forming said corner-fastenings.

Referring now to the drawings, in which my invention is fully illustrated, Figure 1 is a side view of a corner-fastening of the general type to which my invention relates. Fig. 2 is a sectional view on the line 2 2 of Fig. 3 of a corner-fastening of this general type embodying my invention. Fig. 3 is a sectional view on the line 3 3 of Fig. 2. Fig. 4 is a sectional elevation on the line 4 4 of Fig. 2; and Figs. 5 and 6 are views similar to Figs. 2 and 3, respectively, of a modified structure embodying my invention.

Referring now to the drawings, 1 designates a post of a metal bedstead, 2 a corner-fastening member secured to said post, and 3 an end rail of the bedstead.

The post 1 is tubular, and the corner-fastening member 2 is secured thereto by means of a stud 4, formed integral with said corner-fastening member and which extends through a suitable hole or opening 5, formed in said post 1 in proper position, and is provided on the inside of the post 1 with a head 6, which extends outwardly beyond the edges of the hole or opening 5 and closely engages the inner surface of the post 1, preferably on all sides of said hole or opening.

Corner-fastenings embodying my invention can be conveniently formed by casting them directly upon the bedstead-posts. In cooling the shrinkage of the metal will operate in an obvious manner to draw the corner-fastening members into strong engagement with the posts 1, both inside and out, thus securing said corner-fastening members rigidly in position and preventing all play and rattle of said corner-fastening members on said posts. With the described construction it is obvious that the entire load on the corner-fastenings will be transferred to the posts through the studs 4, thus rendering it possible to use a continuous brass tube for covering the posts instead of sectional tubes, and thus to secure the advantages heretofore referred to as incident to the use of such continuous coverings.

In Figs. 5 and 6 of the drawings I have shown my improved corner-fastening as applied to a bedstead the posts of which are brass or are covered with thin brass tube. As is common in this construction, I insert a plate 7 of sheet-steel or the like between the post 1 and the body of the corner-fastening on the outside of the post to prevent the molten metal used for forming the corner-fastening member from melting or fusing the brass post or the covering thereof. Said plate 7 is necessarily provided with a hole or opening which will be in substantial register with the hole 5 in the post 1 when said plate is in operative position in order not to obstruct said hole, and thus prevent the molten metal which forms the stud 4 from flowing through said hole and also to form a connection of desired size and strength between the body portion of the fastening and the head 6 of the stud 4. To provide for securing the plate 7 in position during the operation of casting the corner-fastening, a clip or hook 8 is formed at

the edge of the hole in said plate, preferably at the lower edge, which is adapted to engage or hook over the edge of the post 1 at the bottom of the hole or opening 5 therein. The clip or hook 8 can be conveniently stamped from the metal necessarily removed from the plate 7 in forming the hole or opening therein corresponding to the hole or opening 5 in the post.

By the expression "tubular" as used herein it is intended to include any hollow member without regard to its shape in cross-section, whether circular, square, oval, rectangular, or irregular.

I claim as my invention—

1. In a metal bedstead, the combination of a hollow post provided with a hole or opening, and a corner-fastening member cast thereon comprising sections which permanently engage the inner and outer surfaces, respectively, of said post and an integral connection between said sections which extends through the opening in said post.

2. In a metal bedstead, the combination of a hollow post provided with a hole or opening, and a corner-fastening member cast thereon which only partially surrounds said post comprising sections which permanently engage the inner and outer surfaces, respectively, of said post and an integral connection between said sections which extends through the opening in said post.

3. In a metal bedstead, the combination of a hollow post provided with a hole or opening, a corner-fastening member and a plate inserted between said corner-fastening member and said post provided with a hole or opening corresponding to that in the post, said corner-fastening member comprising sections which permanently engage the outer surface of the plate and the inner surface of the post, respectively, and an integral connection between said sections which extends through the openings in said post and plate.

4. In a metal bedstead, the combination of a hollow post provided with a hole or opening, a corner-fastening member, a plate inserted between said corner-fastening member and said post provided with a hole or opening corresponding to the hole or opening in said post and a clip or hook on said plate designed to engage said post at the edges of the opening therein, said corner-fastening member comprising sections which permanently engage the outer surface of the plate and the inner surface of the post, respectively, and an integral connection between said sections which extends through the openings in said post and plate.

5. In a metal bedstead, the combination of a hollow post provided with a hole or opening, a corner-fastening member which only partially surrounds said post and a plate inserted between said post and said corner-fastening member provided with a hole or opening corresponding to the hole or opening in said post, said corner-fastening member comprising sections which permanently engage the outer surface of the plate and the inner surface of the post, respectively, and an integral connection between said sections which extends through the openings in said post and plate.

6. The combination of a hollow member provided with a hole or opening and a cast member, said cast member comprising sections which permanently engage the inner and outer surfaces, respectively, of said hollow member and an integral connection between said sections which extends through the hole or opening in said hollow member.

7. The combination of a hollow member comprising a covering of brass tubing and provided with a hole or opening, and a cast member, said cast member comprising sections which permanently engage the inner and outer surfaces, respectively, of said hollow member and an integral connection between said sections which extends through the hole or opening in said hollow member.

In testimony that I claim the foregoing as my invention I affix my signature, in presence of two subscribing witnesses, this 19th day of May, A. D. 1905.

JOHN M. ADAMS.

Witnesses:

CHARLES B. GILLSON,

E. M. KLATCHER.