J. H. BRADLEY.

METALLIC BED.

APPLICATION FILED NOV. 26, 1915.

1,337,340.

Patented Apr. 20, 1920.

Fig. 1.

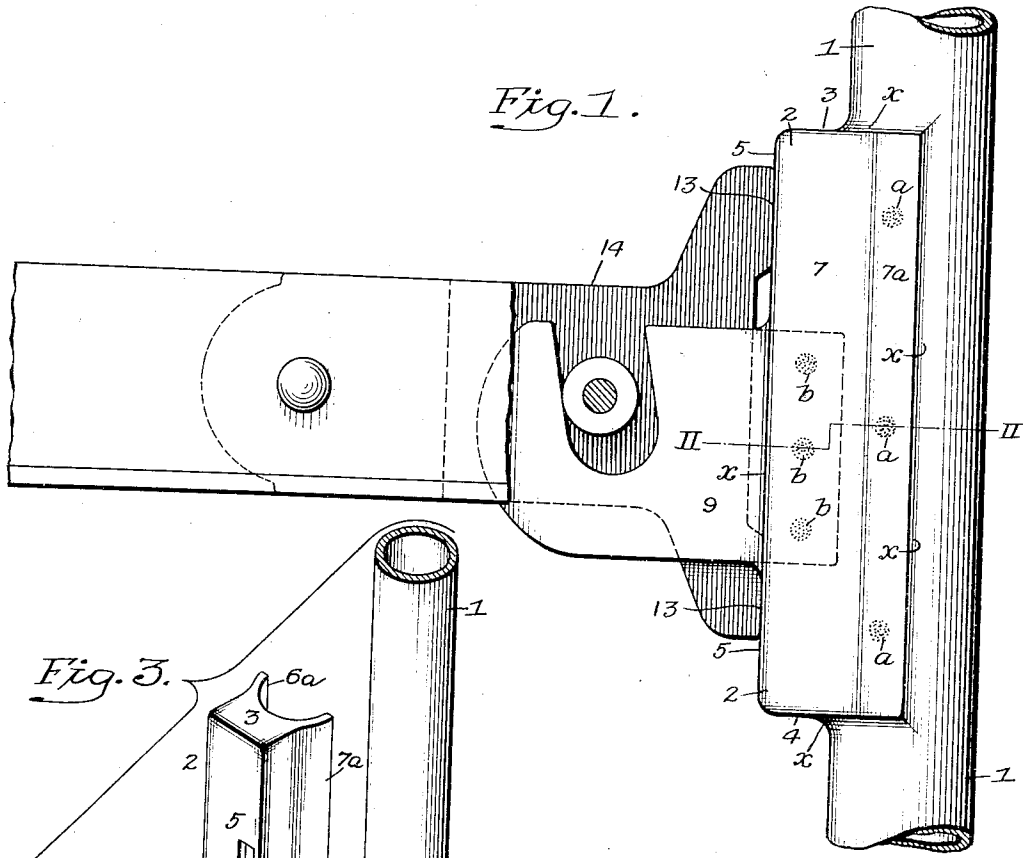


Fig. 3.

Fig. 2.

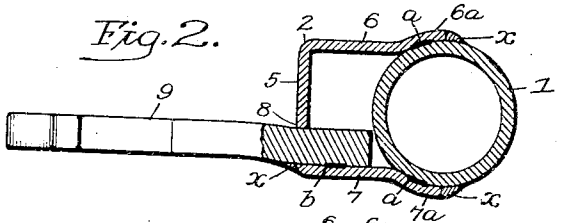


Fig. 5.

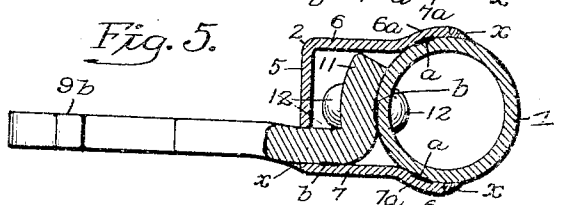


Fig. 4.

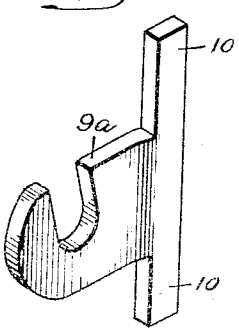
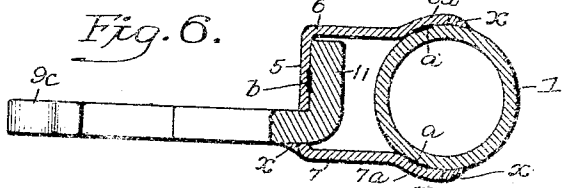


Fig. 6.



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METALLIC BED.

1,337,340. Specification of Letters Patent. Patented Apr. 20, 1920.

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To all whom it may concern:

Be it known that I, JOHN H. BRADLEY, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain Improvements in Metallic Beds, of which the following is a specification.

My invention relates to metallic bedsteads, more particularly iron bedsteads, which consist of a series of corner posts suitably joined at the head and foot; each of said posts carrying a so-called "chill" or casting having means for the reception or attachment of a spring bottom or other mattress supporting frame.

The common practice heretofore has been to cast these "chills" around the corner posts; such chills carrying or holding in operative position the hooks to which the spring bottom or mattress supporting frame is attached. These chills are objectionable for a number of reasons. In the first place, they are somewhat difficult of connection or attachment; requiring foundry equipment for their production, and in the second place they are very unsightly; the manner of making the same rendering them unnecessarily heavy.

The object of my invention is to provide a hook support that will obviate the necessity of employing a casting or "chill"; and at the same time one that will be much cheaper to produce. My improved support will posssess the same efficiency, and will present a much more sightly appearance than the structure commonly in use.

These and other features of my invention are more fully described hereinafter, reference being had to the accompanying drawings, in which:

Figure 1, is a side elevation of hook attaching means embodying my invention;

Fig. 2, is a sectional view on the line II—II, Fig. 1;

Fig. 3, is a perspective view of the parts of the structure forming the subject of my invention, detached:

Fig. 4, is a perspective view of a modified form of hook, and

Figs. 5 and 6, are views similar to Fig. 2, illustrating modified constructions within the scope of my invention.

In the drawings, 1 represents an ordinary metal post or leg of a bed which, in usual practice, is tubular, and 2 represents a box-like frame, preferably of pressed sheet metal, which is set against the post; such frame or box having top and bottom walls 3 and 4, a front wall 5, and side walls 6 and 7; the side walls 6 and 7 having flaring extensions 6^a and 7^a which are curved to fit around the post, as more clearly illustrated in Fig. 2.

To secure this box to the post, I propose to electrically point-weld the extensions 6^a and 7^a of the side walls thereto, as indicated at *a*. The front wall 5 of the box is slotted at 8 for the passage of a hook 9 which, in the form of structure shown in Figs. 1, 2 and 3, may be electrically point-welded to the side wall 6 of the box, as shown at *b*.

After the mounting has been completed, I preferably oxyacetylene weld the several joints, as illustrated at *x*, so as to provide fillets, giving the completed structure a neat appearance, closing all cracks, crevices and the like and insuring an absolutely sanitary condition.

The completed structure is illustrated in Fig. 1; a section of the same on the line II—II, being shown in Fig. 2.

I may employ a small hook 9 such as illustrated in Figs. 2 and 3 which may be passed into proper position with relation to the box from the inside or the outside of the same, as the case may be, or I may provide a hook 9^a with extensions 10 at the top and bottom of the same, as illustrated in Fig. 4; such extensions lying behind the upper and lower portions of the front wall 5 of the box.

In other instances I may form a hook 9^b as illustrated in Fig. 5, with a flange 11 and additionally support the same with relation to the tubular post either by securing it to such post by welding, or by means of rivets 12. Another instance of a modified construction within the scope of my invention is illustrated in Fig. 6, in which a hook 9^c is shown as provided with a flange 11 at right angles to its length, which flange may be welded to the front wall 5 of the box.

If desired, in addition to the welding of the box to the post, I may provide positive securing means in the form of rivets passing through the flaring extensions of the side walls of the box and the wall of the post, but in general practice such additional securing means is unnecessary; the electric welding being sufficient for all practical purposes.

By having a box of the character shown

and described, ample provision is made for engagement by the lugs 13 of the mattress or spring frame plate 14.

I claim:

1. The combination with the post of a metallic bed, of a hollow box-like member of sheet metal permanently secured to said post, a hook carried by the post and having a portion disposed within the box-like member; the latter being slotted for the passage of said hook, and means carried by that portion of the hook within the box to prevent its disengagement or dislodgment therefrom.

2. The combination with the post of a metallic bed, of a box-like member of sheet metal permanently secured to said post, a hook carried by said post and having a portion disposed within the box-like member; the latter having a slot or opening for the passage of said hook, means carried by that portion of the hook within the box to prevent its dislodgment or disengagement therefrom, and means for closing the joint between the box and hook at the point of emergence of the latter.

3. The combination with the post of a metallic bed, of a sheet metal box permanently secured thereto, a hook operatively connected to said post, said hook having a portion disposed within the box and the latter being slotted for the passage of said hook, means carried by the hook to prevent its disengagement from the box, and means for closing the joint between the hook and box.

4. The combination with the post of a metallic bed, of a hollow box-like structure permanently secured to said post, a hook operatively connected to said post and projecting through the front wall of the box-like structure, a bed-frame including a rail, a pin carried by the rail for engagement with said hook, and a member carried at the end of the rail for engagement with the face of the box-like structure above and below the hook.

5. The combination with the post of a metallic bed, of a hollow box-like structure permanently secured to said post, a hook permanently secured to said box-like structure and projecting through the front wall of the same, said hook having a portion permanently secured within the box-like member, a bed-frame including a rail, a pin carried by said rail for engagement with said hook, and a member carried at the end of the rail for engagement with the face of the box-like structure; the latter having its front wall vertically disposed and extending above and below the hook for engagement by the rail-end member of the bed-frame.

JOHN H. BRADLEY.