

No. 693,326.

Patented Feb. 11, 1902.

W. A. LIPPARD.
FASTENER FOR METALLIC BEDSTEADS.

(Application filed Nov. 30, 1901.)

(No Model.)

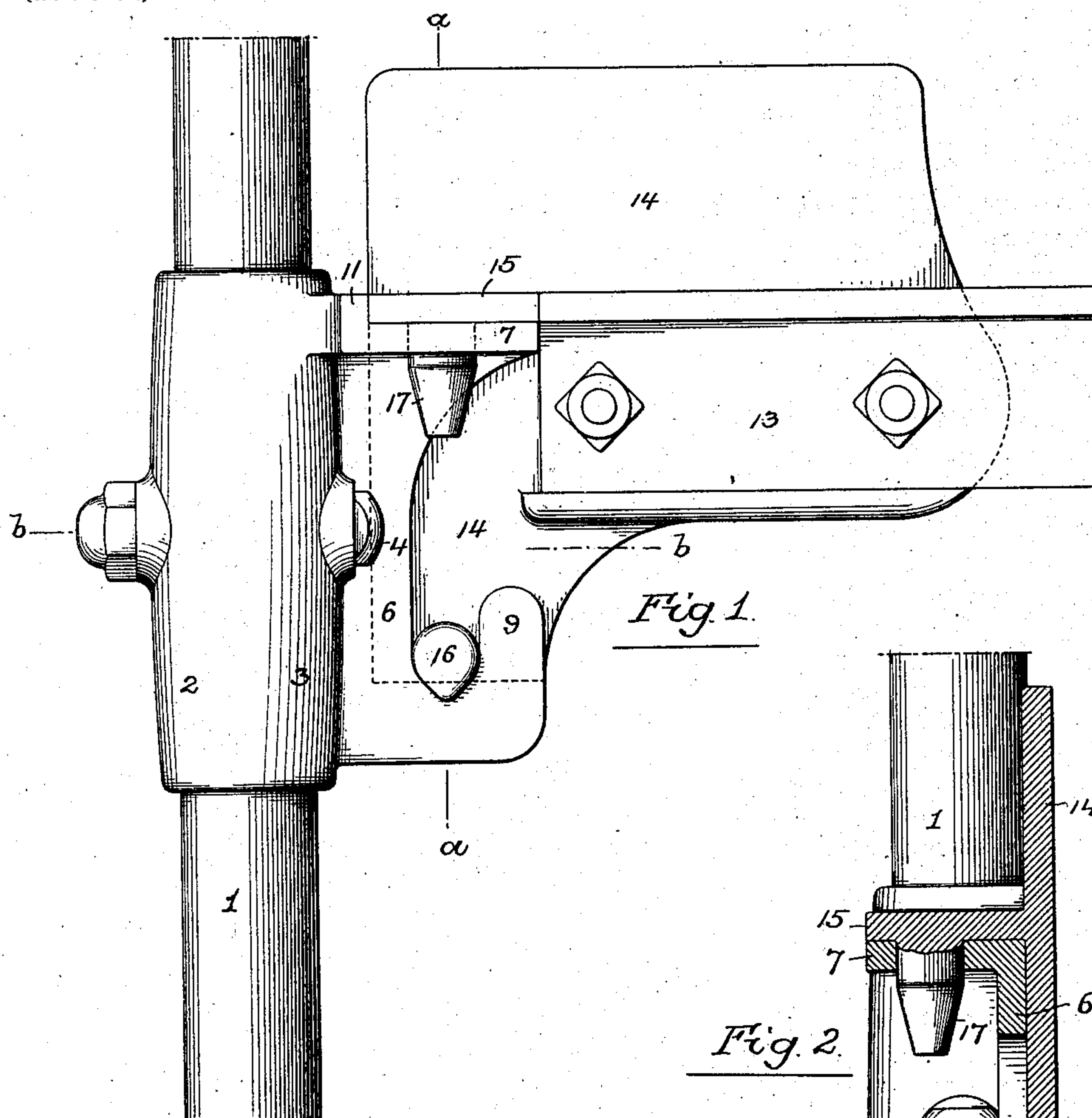


Fig. 1.

Fig. 2.

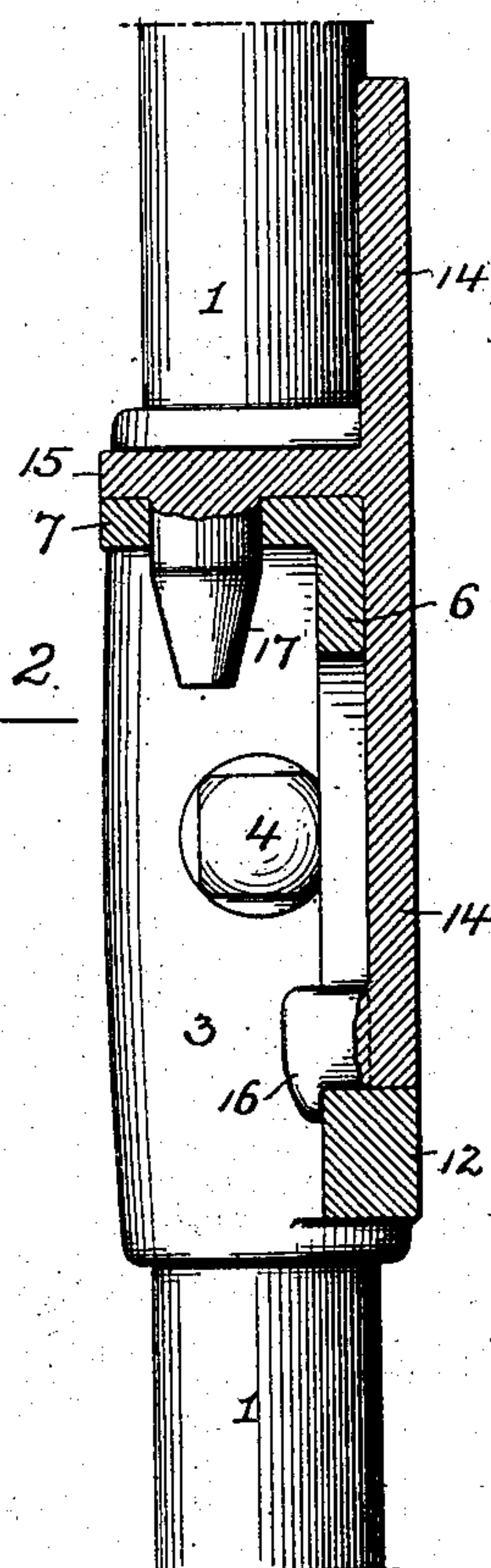
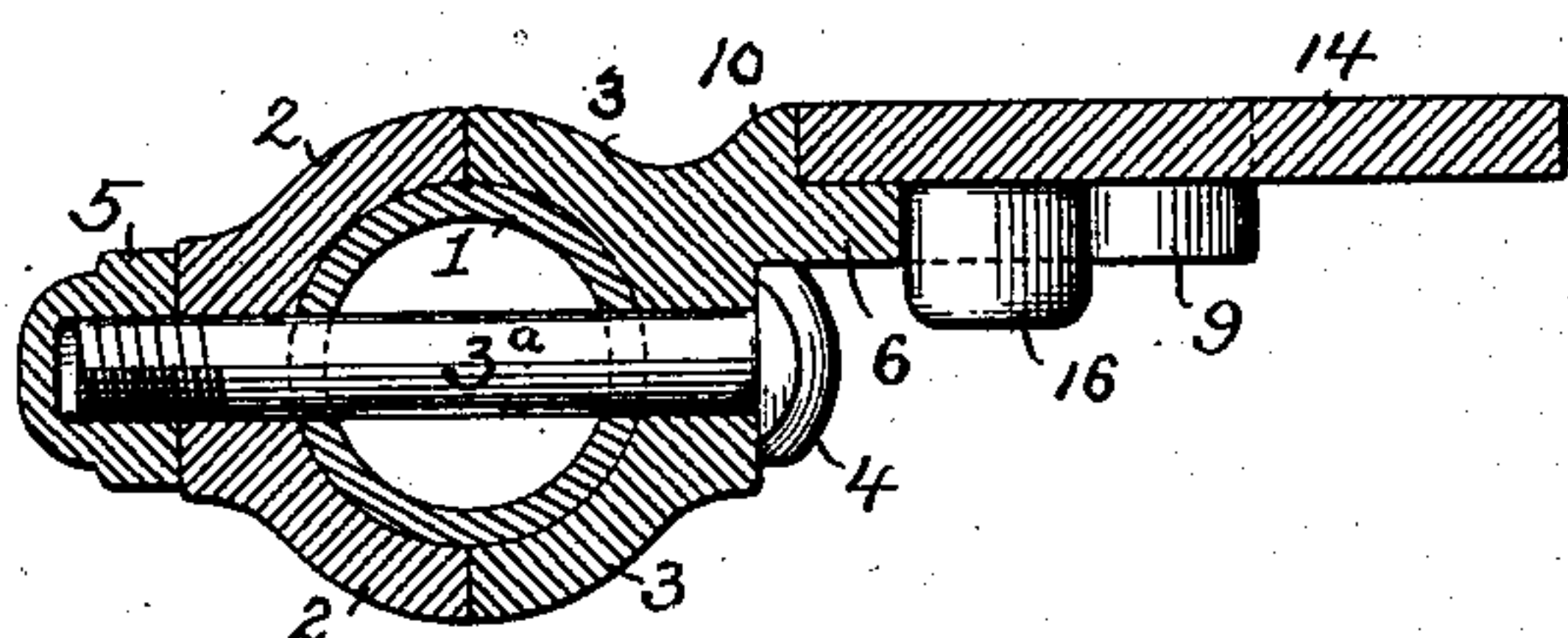


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM A. LIPPARD, OF HARRISBURG, PENNSYLVANIA, ASSIGNOR OF
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FASTENER FOR METALLIC BEDSTEADS.

SPECIFICATION forming part of Letters Patent No. 693,326, dated February 11, 1902.

Application filed November 30, 1901. Serial No. 84,225. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. LIPPARD, a citizen of the United States, and a resident of Harrisburg, Pennsylvania, have invented certain Improvements in Fasteners for Metallic Bedsteads, of which the following is a specification.

The object of my invention is to so construct a fastening for securing together the posts and rails of metallic bedsteads that the two parts of the fastening can be readily fitted together or as readily detached from each other and when fitted together will be rigidly retained against movement in any direction independent of each other. This object I attain in the manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1 is a side view of a metallic-bedstead fastening constructed in accordance with my invention. Fig. 2 is a view of the same, partly in elevation and partly in transverse section, on the line *a a*, Fig. 1; and Fig. 3 is a sectional plan view on the line *b b*, Fig. 1.

1 represents part of the upright metallic post of a bedstead, and 2 and 3 the two parts of a clamp, which is firmly secured to said upright post by means of a transverse bolt 3^a passing through the post and through two parts of the clamp and having a head 4 bearing upon the portion 3 of the clamp and a nut 5 bearing upon the portion 2 of the same, the bolt being prevented from turning by engagement of the head 4 of the same with a web 6, which projects from the portion 3 of the clamp, as shown in Figs. 1 and 3. This web 6 has at the top a projecting horizontal flange 7, having an opening through it, and the lower portion of the web is cut away, so as to form a hook 9, the outside of the web having a projecting vertical rib 10 coincident with a rib 11 at the clamp end of the flange 7, while at the bottom the web is thickened, so as to form a rib 12, as shown in Fig. 2.

The side rail 13 of the bed-frame has secured to it a bracket 14 with projecting flange 15 and projecting headed pin 16, and from said flange 15 projects downwardly a pin 17, preferably tapered at the lower end, as shown in Fig. 2. In fitting the side rail to the clamp

structure of the post, therefore, the bracket 14 is moved laterally into engagement with the web 6, while said bracket is elevated sufficiently to carry the pin 17 over the flange 7 of the web 6, the outer end of the bracket abutting against the shoulder formed by the rib 10 of said web 6. This brings the pin 17 into proper alinement with the opening in the flange 7 and the headed pin 16 into line with the hooked portion 9 of the web 6, so that upon lowering the bracket the pin 17 will enter the opening in the flange 7 and the headed pin 16 will engage with the hooked portion of the web, as shown in Figs. 1 and 2. At the same time the flange 15 of the bracket will find a bearing against the rib 11 of the flange 7, and the lower edge of the bracket will be seated upon the shoulder formed by the projecting rib 12 at the bottom of the web 6. Hence the bracket will be rigidly locked to said web 6, and movement of either of said parts independent of the other will be effectually prevented. The fastening, moreover, is of cheap and simple construction, as it can be composed of ordinary castings which do not require any expensive fitting.

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

1. The combination in a fastening for metallic bedsteads, of the post-clamp having a projecting vertical web with perforated horizontal flange and hooked lower portion, and the side-rail bracket having a projecting flange with depending pin for entering the opening in the flange of the clamp-web, and a headed pin for engagement with the hooked portion of said web, substantially as specified.

2. The combination in a fastening for metallic bedsteads, of the post-clamp having a projecting web with perforated horizontal flange and vertical rib on the outer side, with a side-rail bracket having an edge bearing against said rib and having a laterally-projecting flange with depending pin entering the opening in the lateral flange of the clamp-web, and a laterally-projecting headed pin for engagement with the lower portion of said web, substantially as specified.

3. The combination in a fastening for me-

tallic bedsteads, of a post-clamp having a projecting vertical web with vertical rib on the outer side of the same, and an inwardly-projecting perforated horizontal flange with vertical rib at its clamp end and the side-rail bracket having an edge bearing against the vertical rib of the web, a laterally-projecting headed pin engaging with the lower portion of said web, and a laterally-projecting flange having edge bearing against the rib on the flange of the web and a depending pin entering the opening in said flange, substantially as specified.

4. The combination in a fastening for metallic bedsteads, of the post-clamp having a web with outer vertical rib and lower horizontal rib and provided with inwardly-projecting perforated flange, and the side-rail bracket having an edge bearing against the vertical rib of the web, and a bottom bearing upon the horizontal rib of the same, said bracket also having an inwardly-projecting headed pin for engaging with a projecting portion of the web, and an inwardly-projecting flange with depending pin for entering the opening in the perforated flange of said web, substantially as specified.

5. The combination in a fastening for metallic bedsteads, of a post-clamp having a projecting web with vertical outer rib, horizontal lower rib and inwardly-projecting horizontal flange with vertical rib at its clamp end, and the side-rail bracket having an edge bear-

ing against the vertical rib of the web and a bottom bearing against the horizontal rib of the same, said bracket also having an inwardly-projecting headed pin for engaging with the projected portion of the web, and an inwardly-projecting flange having an edge bearing against the vertical rib on the flange of the web, and a depending pin for entering the opening in said flange, substantially as specified.

6. The combination in a fastening for metallic bedsteads, of the post-clamp having a projecting web with outer vertical rib, lower horizontal rib, hooked lower end and inwardly-projecting horizontal flange with vertical rib at its clamp end, and the side-rail bracket having an edge bearing against the vertical rib of the web, a bottom bar bearing against the lower rib of the same, an inwardly-projecting headed pin engaging the hooked lower portion of the web, and an inwardly-projecting flange having an edge bearing against the vertical rib on the flange of the web and a depending pin for entering the opening in said flange, substantially as specified.

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

WM. A. LIPPHARD.

Witnesses:

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C. W. BISHOP.