No. 698,002. Patented Apr. 22, 1902.

O. S. FOSTER.

CORNER FASTENER FOR BEDSTEADS.

(Application filed Aug. 31, 1901.)

(No Model.)

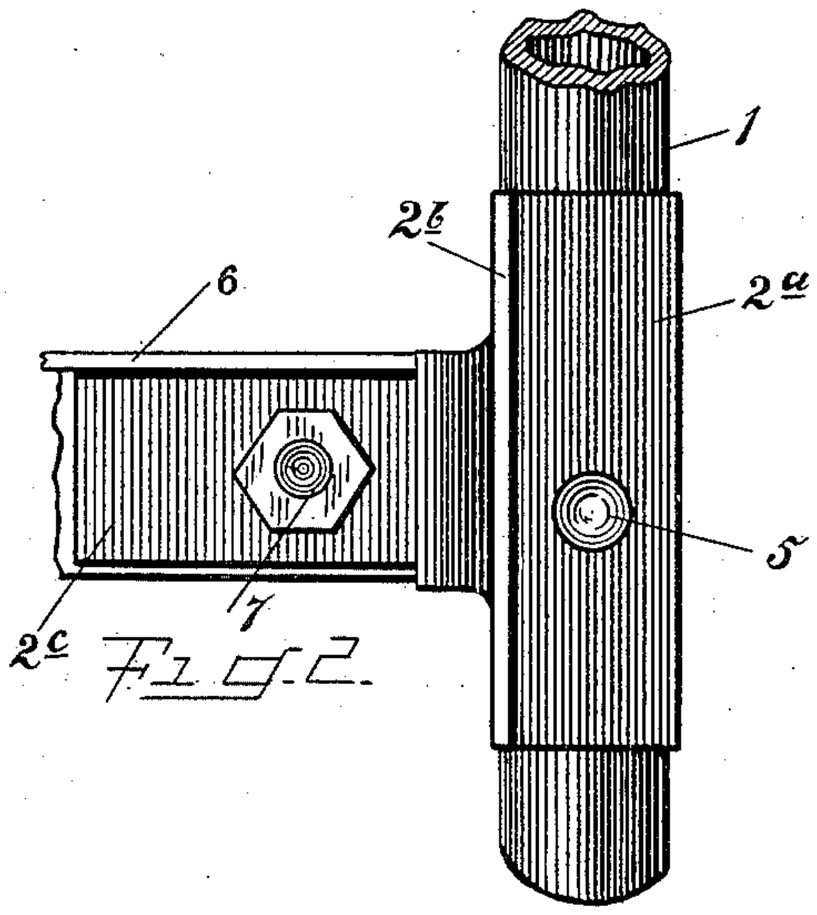

Fig. 2.

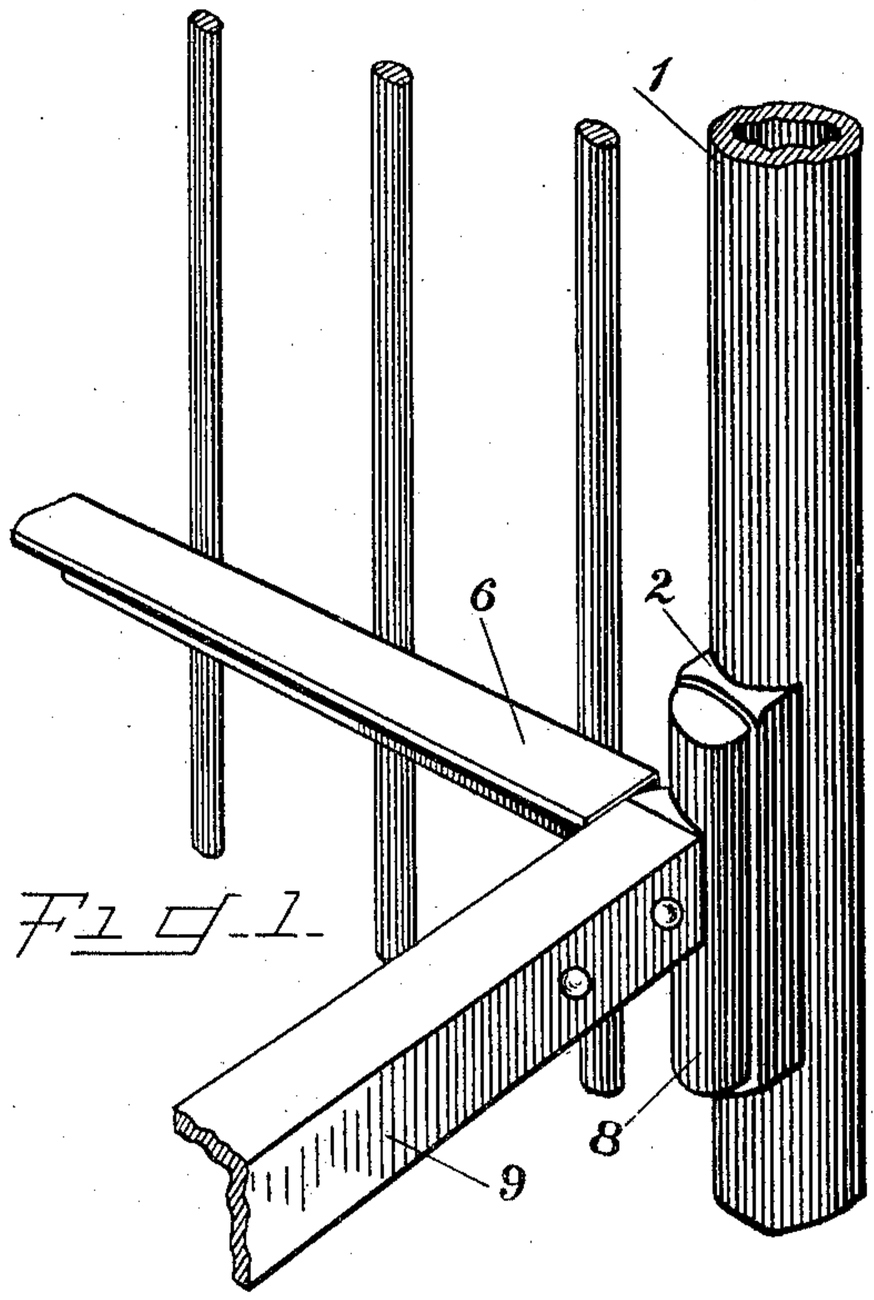

Fig. 1.

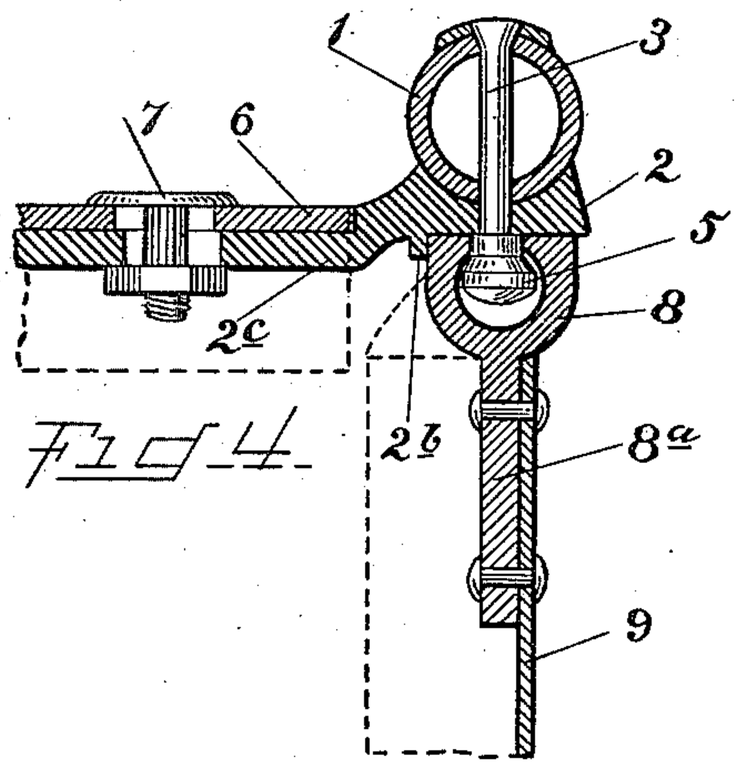

Fig. 4.

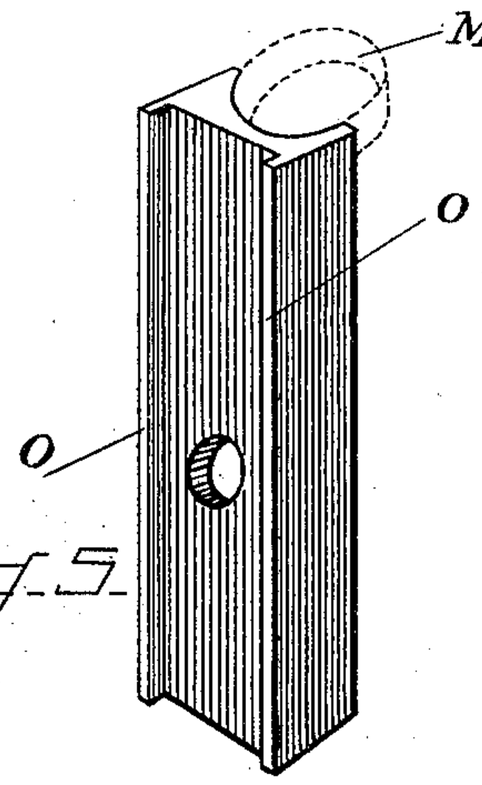

Fig. 5.

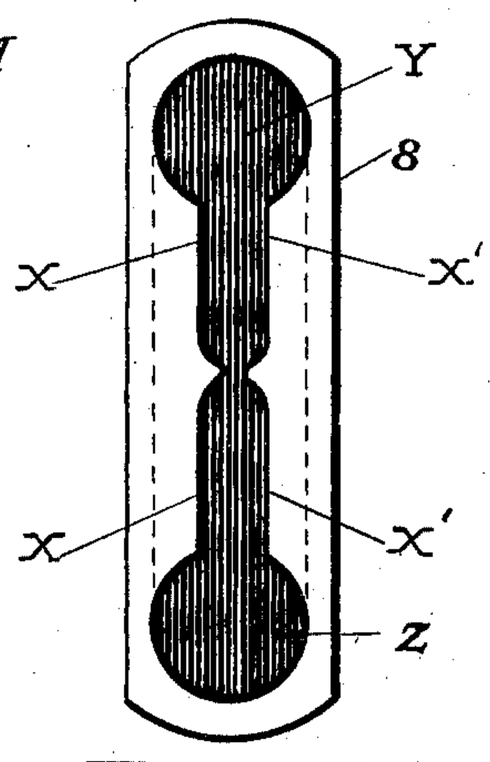

Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

OSCAR S. FOSTER, OF UTICA, NEW YORK.

CORNER-FASTENER FOR BEDSTEADS.

SPECIFICATION forming part of Letters Patent No. 698,002, dated April 22, 1902.

Application filed August 31, 1901. Serial No. 74,004. (No model.)

To all whom it may concern:

Be it known that I, OSCAR S. FOSTER, of Utica, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Corner-Fasteners for Beds, &c.; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form part of this specification.

The object of my present invention is to provide an improved corner-fastener for bedsteads and similar constructions which is capable of forming a firm and effective joint and is simple in construction and easily and conveniently attached or detached.

In the drawings, Figure 1 shows a perspective view of a corner of a bedstead in which the corner-fastener of my improved construction is employed. Fig. 2 shows a face view of the post-piece in position on the post. Fig. 3 shows a face view of the rail part. Fig. 4 shows a section taken on a horizontal line of the construction as a whole. Fig. 5 shows in perspective a modified form of post-piece.

The post 1 is preferably of round tubing, and the post-piece 2 is provided with a concave side adapted to fit the side of the post and is secured thereto in the construction as shown by a rivet 3, passing through the post-piece and through the post. The post-piece is provided with a flat plain face 2^a, along one edge of which runs a slight rib 2^b, affording a shoulder. The head of the rivet 3 is enlarged and projects from the flat face 2^a of the post-piece, affording a headed projection 5, adapted to be engaged by the rail part. The post-piece is also provided with an arm or extension 2^c, to which the cross-bar 6 of the bedstead (preferably of angle-iron) is secured by a bolt 7.

The rail part consists of an elongated head 8, preferably in extent substantially equal to that of the post-piece and provided with a shank 8^a, to which the side rail 9 of the bedstead is secured. The face of the head 8 is plain or flat to engage the face 2^a of the post-piece and is also recessed to receive the headed projection 5. On either side of the recess in the face of the part 8 there are provided shoulders x x to engage the head of the projection and retain the parts in position. In the form of construction as shown in Fig. 3 two sets of shoulders are provided, the second set being indicated by x', and two entrances y and z are provided for the headed projection, whereby the fastener becomes reversible, and either set of shoulders x or x' may be employed in securing the parts of the fastener together. The size of the head 8 and the relative positions of the headed projection 5 and the rib 2^b are such that when engaged and secured together the side of the head 8 is adapted to engage with the rib 2^b and prevent the head and side rail from swiveling on the headed projection. The rear or back side of the shoulders x and x' are formed with an incline or wedge, whereby the parts are drawn together to form a firm joint. The rib 2^b is preferably made small and projecting but slightly beyond the plain face of the post-piece, so that the rail part may be engaged with the headed projection even when a portion of the head 8 is out of vertical alinement and overlapping the rib 2^b. This enables the parts to be temporarily engaged, even when the rail has a skew or twist and the fasteners at the opposite end of the rail are not exactly parallel. After being temporarily or preliminarily engaged the twist can be taken out of the rail by a wrench or a blow with a hammer at the proper point on the fastener and the fastener forced into alinement with the post and driven down into its final secured position.

In the modified form of construction shown in Fig. 5 the post-piece is without the tang for attaching the cross-angle and has ribs o o similar to 2^b upon each side of the plain flat face. This construction may also be employed on the independent leg of a lounge or couch or similar construction in which the leg does not extend above the top of the fastener or the top of the post-piece thereof, and in which case the post-piece would preferably be provided with an additional integral cap portion, as indicated in dotted lines at m in Fig. 5,

which cap portion would cover the upper end of the post and close the end of the tube when a tubular post was employed.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination in a corner-fastener of a projecting post-piece having a plain flat face and a rib or shoulder projecting therefrom in position to engage the side of the rail part and having a headed projection located in or on said plain face and a rail part having a plain flat face to engage the face of the rail part and a recess to receive the said projection and shoulders to engage the head of the projection and also adapted at the side or edge of its flat face to engage with the rib or shoulder of the post-piece, substantially as set forth.

2. The combination in a corner-fastener of a post-piece having a flat face, a headed projection projecting from said flat face, a rail part having a flat face to engage the face of the post-piece, a recess to receive the projection and shoulders to engage the head of the projection and a rib or projection at the side of the flat face of the post-piece to engage the side of the rail or frame part, substantially as set forth.

In witness whereof I have affixed my signature, in presence of two witnesses, this 20th day of August, 1901.

OSCAR S. FOSTER.

Witnesses:
J. BENJ. BRADY,
S. A. BROWN.