March 17, 1925. 1,529,653

J. H. HOOKE

CORNER JOINT FOR BEDSTEADS

Filed Dec. 1, 1924

Fig. 1.

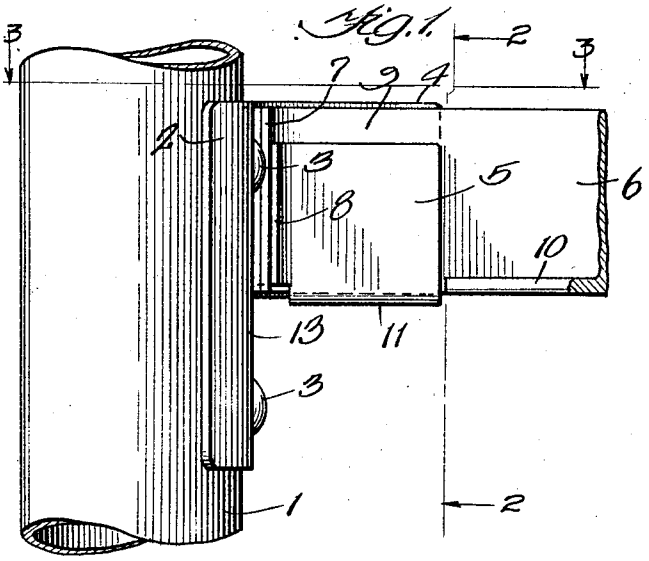


Fig. 2.

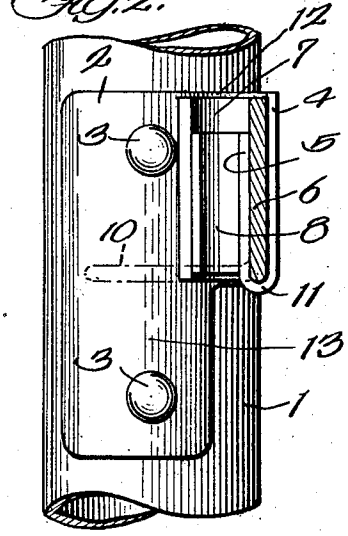


Fig. 3.

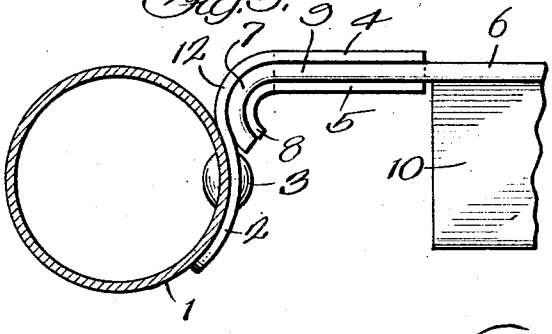


Fig. 5.

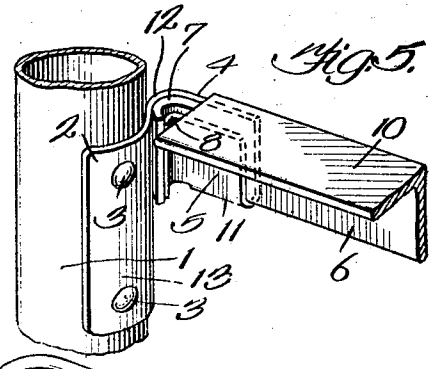


Fig. 4.

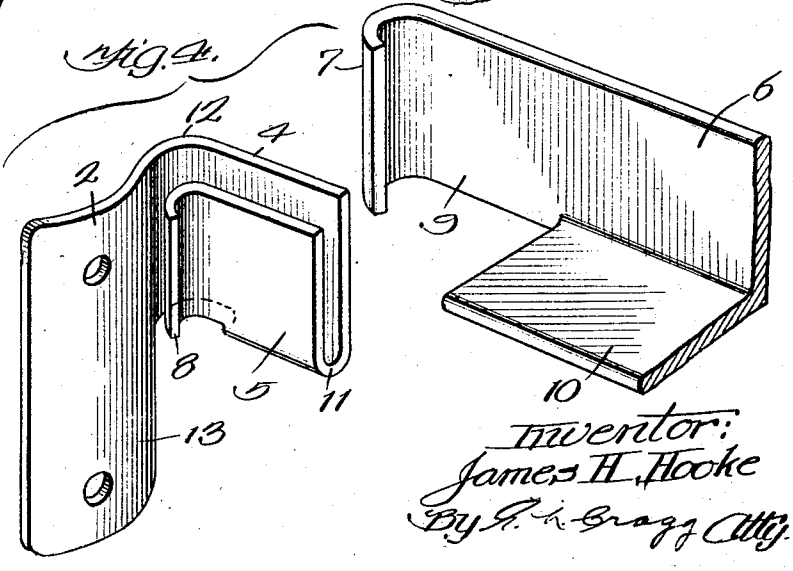
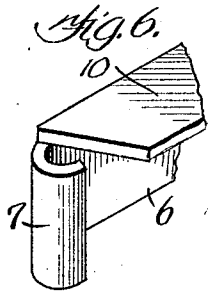


Fig. 6.



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Patented Mar. 17, 1925. 1,529,653

UNITED STATES PATENT OFFICE.

JAMES H. HOOKE, OF ROME, NEW YORK.

CORNER JOINT FOR BEDSTEADS.

Application filed December 1, 1924. Serial No. 753,142.

To all whom it may concern:

Be it known that I, JAMES H. HOOKE, a citizen of the United States, residing at Rome, in the county of Oneida and the State of New York, have invented a certain new and useful Improvement in Corner Joints for Bedsteads, of which the following is a full, clear, concise, and exact description.

My invention relates to bedsteads and resides in improved corner joints by which the bedstead ends are assembled with the side rails. The corner joint of my invention includes a horizontal arm extending along the bedstead and in the form of an upright **U** having one side connected with the post and its other side terminating short of the post to afford open space between it and the post, the side rail assembled with the post by means of the joint being formed of angle iron having one side upright and received between the sides of the **U**-shaped arm, the adjacent end of this side of said rail having an angular continuation extending horizontally and crosswise of the bedstead to form a hook, this angular continuation being received in the space between said post and the shortened side of the **U**-shaped arm.

In the preferred embodiment of the invention, the arm is carried by a bracket which has a mounting base that is secured to the post, the hook formation of the arm being spaced apart from the mounting base of the bracket to receive the hook formation upon the contiguous end of the corresponding side rail. The shorter end of the arm is desirably also provided with an angular continuation extending similarly to the angular continuation upon the rail and serving to hold the latter close to the bracket base. The corner joint thus constructed is of simple and cheap formation serving to hold the side rail and the bedstead post equipped therewith in firm and rigid assembly.

The invention will be more fully explained in connection with the accompanying drawing in which Fig. 1 is a vertical side view taken from inside of the bedstead showing a portion of the bedstead corner post, a portion of the contiguous side rail and the joint structure of my invention as it is preferably made; Fig. 2 is a view of the parts shown in Fig. 1 taken at right-angles to the direction in which Fig. 1 is taken; Fig. 3 is a top view of the construction shown in Figs. 1 and 2; Fig. 4 is a perspective view illustrating the bracket and the contiguous end of the adjacent side rail, in the structure of Figs. 1, 2 and 3, in separated relation; Fig. 5 is a perspective view illustrating a modification; and Fig. 6 is a perspective view of the end of the rail employed in the construction of Fig. 5.

The drawing does not illustrate a complete bedstead, it being understood that the same includes four corner posts, the drawing showing but one corner bed post 1. A bracket is employed which has a mounting base 2 suitably secured to the corner post as by means of rivets 3. The bracket is also formed with a horizontal arm extending along the bedstead, this arm being in the form of an upright **U** having one side 4 an integral continuation of the mounting base and its other side 5 terminating short of the mounting base to afford an open space between it and the base. The side rail has one side 6 upright and received between the sides of the **U**-shaped arm. The upright side of the angle iron is received between the sides 4 and 5 of the **U**-shaped arm, the adjacent end of this side of the angle iron rail having an angular continuation 7 extending horizontally and crosswise of the bedstead to form a hook, this angular continuation being received in the space between the mounting base and the shortened side of the **U**-shaped arm.

In the preferred embodiment of the invention, the outer end of the arm side 5 is formed with an angular continuation 8 extending similarly to the angular continuation 7 and serving to hold the latter continuation snugly in the space between the arm portion 8 and the mounting base 2.

Where the form of the invention illustrated in Figs. 1 to 4 inclusive is employed, the side 6 of the angle iron has a lengthwise continuation 9 extending beyond the mattress supporting side 10 of the angle iron sufficiently to afford a space that receives the base of the **U**-shaped arm, when the rail is assembled with the post with the angle iron side 10 lowermost. The angle iron may be reversed to have its side 10 uppermost as is apparent.

In the structure of Figs. 5 and 6, the continuation 9 is omitted. In both forms of the invention, the upright side rail is preferably of a height to enable it to engage the bottom 11 of the **U**-shaped arm.

The extensions 7 and 8 are desirably curved, as illustrated, and the longer arm side 4 is joined with the mounting base by an intervening portion 12 which is curved similarly to the continuations 7 and 8, the continuation 7 being snugly nested between the parts 8 and 12 to cooperate with the balance of the arm and the rail assembled with the arm to maintain the rail and bracket in rigid assembly. The construction is such that the side rail is not only prevented from turning upon the post but does not rise. The bracket and its arm are desirably formed of stamped heavy sheet iron of a thickness less than that of the rail. The stock out of which the bracket and its arm are formed is desirably initially rectangular, the arm side 5 and its hook continuation 8 being formed by suitably folding and turning a quarter portion of this sheet, an extension 13 being left in the base which increases the rigidity of its union with the post.

Changes may be made without departing from my invention.

Having thus described my invention, I claim:—

1. In a bedstead, the combination with a corner bedstead post; of a horizontal arm extending along the bedstead and in the form of an upright U having one side connected with the post and its other side terminating short of the post to afford an open space between it and the post; and an angle iron side rail having one side upright and received between the sides of the U-shaped arm and continued lengthwise beyond the other side of the rail sufficiently to afford a space that receives the base of said arm, the outer end of the extended side of said rail having an angular continuation extending horizontally and crosswise of the bedstead to form a hook, this angular continuation being received in the space between said post and the shortened side of said U-shaped arm.

2. In a bedstead, the combination with a corner bedstead post; of a horizontal arm extending along the bedstead and in the form of an upright U having one side connected with the post and its other side terminating short of the post to afford an open space between it and the post; and an angle iron side rail having one side upright and received between the sides of the U-shaped arm, the adjacent end of this side of said rail having an angular continuation extending horizontally and crosswise of the bedstead to form a hook, this angular continuation being received in the space between said post and the shortened side of said U-shaped arm.

3. In a bedstead, the combination with a corner bedstead post; of a horizontal arm extending along the bedstead and in the form of an upright U having one side connected with the post and its other side terminating short of the post to afford an open space between it and the post; and an angle iron side rail having one side upright and received between the sides of the U-shaped arm and continued lengthwise beyond the other side of the rail sufficiently to afford a space that receives the base of said arm, the outer end of the extended side of said rail having an angular continuation extending horizontally and crosswise of the bedstead to form a hook, this angular continuation being received in the space between said post and the shortened side of said U-shaped arm whose outer end has an angular continuation extending similarly to the other continuation and holding the latter close to the post.

4. In a bedstead, the combination with a corner bedstead post; of a horizontal arm extending along the bedstead and in the form of an upright U having one side connected with the post and its other side terminating short of the post to afford an open space between it and the post; and an angle iron side rail having one side upright and received between the sides of the U-shaped arm, the adjacent end of this side of said rail having an angular continuation extending horizontally and crosswise of the bedstead to form a hook, this angular continuation being received in the space between said post and the shortened side of said U-shaped arm, whose outer end has an angular continuation extending similarly to the aforesaid continuation and holding the latter close to the post.

5. In a bedstead, the combination with a corner bedstead post; of a bracket having a mounting base secured to a side of the post and formed with a horizontal arm extending along the bedstead and in the form of an upright U having one side connected with said mounting base and its other side terminating short of the mounting base to afford an open space between it and said base; and an angle iron side rail having one side upright and received between the sides of the U-shaped arm and continued lengthwise beyond the other side of the rail sufficiently to afford a space that receives the base of said arm, the outer end of the extended side of said rail having an angular continuation extending horizontally and crosswise of the bedstead to form a hook, this angular continuation being received in the space between said mounting base and the shortened side of said U-shaped arm.

6. In a bedstead, the combination with a corner bedstead post; of a bracket having a mounting base secured to a side of the post and formed with an arm extending along the bedstead and in the form of an upright U having one side connected with said mounting base and its other side terminating short of the mounting base to afford an

open space between it and said base; and an angle iron side rail having one side upright and received between the sides of the U-shaped arm, the adjacent end of this side of said rail having an angular continuation extending horizontally and crosswise of the bedstead to form a hook, this angular continuation being received in the space between said mounting base and the shortened side of said U-shaped arm.

7. In a bedstead, the combination with a corner bedstead post; of a bracket having a mounting base secured to a side of the post and formed with a horizontal arm extending along the bedstead and in the form of an upright U having one side connected with said mounting base and its other side terminating short of the mounting base to afford an open space between it and said base; and an angle iron side rail having one side upright and received between the sides of the U-shaped arm and continued lengthwise beyond the other side of the rail sufficiently to afford a space that receives the base of said arm, the outer end of the extended side of said rail having an angular continuation extending horizontally and crosswise of the bedstead to form a hook, this angular continuation being received in the space between said mounting base and the shortened side of said U-shaped arm whose outer end has an angular continuation extending similarly to the aforesaid continuation and holding the latter close to the bracket base.

8. In a bedstead, the combination with a corner bedstead post; of a bracket having a mounting base secured to a side of the post and formed with an arm extending along the bedstead and in the form of an upright U having one side connected with said mounting base and its other side terminating short of the mounting base to afford an open space between it and said base; and an angle iron side rail having one side upright and received between the sides of the U-shaped arm, the adjacent end of this side of said rail having an angular continuation extending horizontally and crosswise of the bedstead to form a hook, this angular continuation being received in the space between said mounting base and the shortened side of said U-shaped arm whose outer end has an angular continuation extending similarly to the aforesaid continuation and holding the latter close to the bracket base.

In witness whereof, I hereunto subscribe my name.

JAMES H. HOOKE.