

L. SUSSMAN.
CORNER POST FASTENING.
APPLICATION FILED MAR. 15, 1912.

1,030,494.

Patented June 25, 1912.

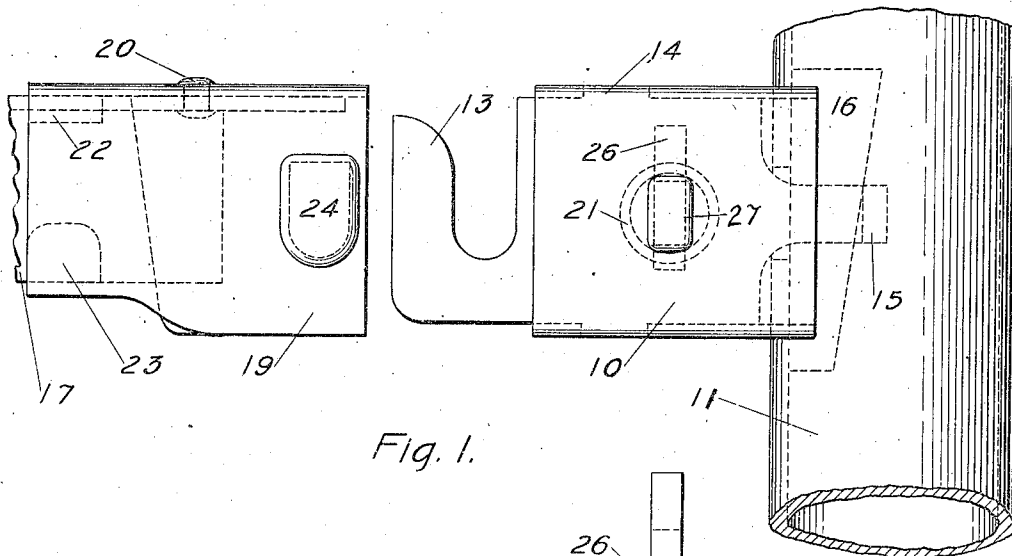


Fig. 1.

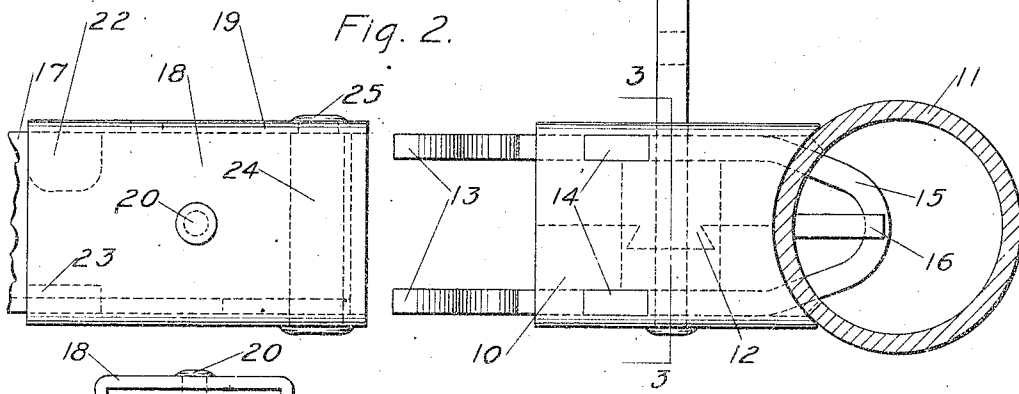


Fig. 2.

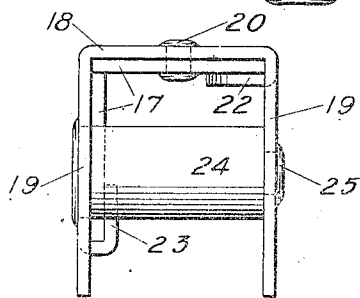


Fig. 4.

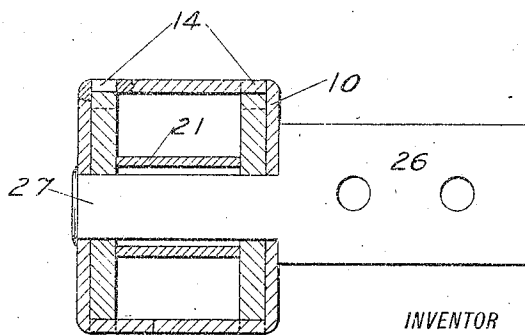


Fig. 3.

WITNESSES:

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CORNER-POST FASTENING.

1,030,494.

Specification of Letters Patent.

Patented June 25, 1912.

Application filed March 15, 1912. Serial No. 684,064.

To all whom it may concern:

Be it known that I, LEON SUSSMAN, a citizen of the United States, and a resident of the city of Bayonne, county of Hudson, and State of New Jersey, have invented certain new and useful Improvements in Corner-Post Fastenings, of which the following is a full, exact, and clear description.

My invention relates to certain improvements in corner post fastenings for metal bedsteads, in other words, to the means for detachably securing the side rails to the posts at the head and foot.

My improved construction is of the type in which the parts are wedged together by the engagement of a hook on one member and a pin or projection on the other and the special feature of my construction is the complete elimination of castings and the forming of the coating parts from metal plates cut and bent to the desired form.

One important feature is the forming of the two hooks from the same piece of metal which also forms a part of the means for securing the device to the post *per se* and another important feature is the supporting of these hooks in a tube or sleeve abutting against the post.

Other important features will be pointed out more particularly hereinafter and the novel features will be defined in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification and in which similar reference characters indicate corresponding parts in the several views:

Figure 1 is a side elevation of a device constructed in accordance with my invention, the two sections of the fastening being separated. Fig. 2 is a top plan view of the parts shown in Fig. 1, the corner post being shown in section. Fig. 3 is a transverse section of the line 3-3 of Fig. 2 and; Fig. 4 is an end view of the side rail section.

My improved device in common with others heretofore used is formed of two detachably connected sections one of which is secured to the corner post and the other of which is secured to the side rail, and the section which is secured to the side rail carries a horizontally extending pin, projection or retainer adapted for engagement with two hooks on the other section. In my device no castings are employed and aside from this

pin or retainer and the necessary screws or rivets, all of the parts are formed from metal plates cut or stamped to the desired shape and bent to the desired form. The section which is connected to the post includes a horizontally disposed sleeve 10 having one end abutting against the post 11 and the other end abutting against the other section. The post may be of any desired form or shape and the end of the sleeve 10 is cut to conform to this post. As shown, the post is in the form of a hollow cylindrical tube and the end of the sleeve 10 is concave to fit against the post. The sleeve is preferably formed from a metal plate, the free edges of which meet in a line along the underside of the sleeve. Preferably, one edge is provided with a dovetail projection 12 entering a dove-tailed recess in the other edge as is indicated in dotted lines in Fig. 2. The sleeve is substantially rectangular in cross section and presents opposite parallel sides and a top and bottom wall.

Disposed within the sleeve is a member including two plate portions adjacent to the opposite side walls of the sleeve and terminating in hooks 13 projecting beyond the outer or open end of the sleeve. For retaining this member in position and for keeping the plate portions spaced apart, each of the two plate portions is provided with upwardly and downwardly extending flanges or projections 14 entering slots or recesses in the top and bottom walls of the sleeve. The two plates at their ends toward the post converge slightly and are cut away at their upper and lower edges and meet in a curved loop 15 adapted to extend through a slot in the wall of the post. After the loop has been extended into this slot and the end of the sleeve brought into proper position against the outer surface of the post, a wedge 16 is driven into the loop as indicated in Figs. 1 and 2 so as to draw the loop in to the maximum extent and positively lock the sleeve and hooks rigid with the post. It will thus be seen that this section is formed of but two pieces of metal in addition to the wedge and that no rivets, bolts, solder or other fastening means are employed.

The side rail 17 is formed of an angle iron as is common in bedstead construction and this angle iron has secured thereto means for detachably connecting the side

5 rail to the section above described. This means includes a section formed of a metal plate bent to form a top wall 18 adapted to lie in engagement with the top of the angle iron and in alinement with the top wall of the sleeve 10 and two side walls 19 adapted to lie in alinement with the two side walls of the sleeve. The top wall 18 is secured to the top flange of the angle iron in any suitable manner as for instance by a rivet 20 and the section is additionally secured by a flange 22 bent under the top flange of the angle iron and a flange 23 bent to engage with the inner surface of the vertical flange of the angle iron adjacent to its lower edge. The top flange of the angle iron preferably extends to the end of the top wall 18 but the side flange of the angle iron is preferably cut away as indicated in dotted lines in Fig. 1.

20 Between the two side walls 19, I mount a bar or roller 24 the ends of which may be riveted at the outer surfaces of the two side walls. This bar is so placed that it may be received within the two hooks in the end of the sleeve and will wedge upon the proper downward movement. When in its final position, the two sections should be in proper alinement. At the same time, the two sections will be rigid by reason of the wedge action. This wedge action may be produced either by an inclination of the inner surface of the hooks or by an inclination of the abutting ends of the two sections. Any suitable means may be employed for connecting one sleeve 10 to the other sleeve at the same end of the bed. I have illustrated a bracket 26 to which the connecting angle iron or other means may be bolted or riveted, the said bracket being held in place by a reduced portion or stud 27 riveted at its end and carrying a sleeve 21 serving as a spacer for the hook plates.

45 Various changes may be made in the details of construction of my improved device without departing from the spirit of my invention.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

50 1. The combination with a corner post, and a side rail of a sleeve abutting against said post and a member within said sleeve said member having a loop projecting from one end of said sleeve into said post and two hooks extending outwardly beyond the

other end of said sleeve and means on said side rail for engagement with said hooks.

2. The combination with a corner post, and a side rail, of a sleeve open at opposite ends and abutting against said post, a loop secured within said post and having its ends extending into one end of said sleeve a hook disposed beyond the opposite end of said sleeve and supported within the latter and means carried by said side rail for detachable engagement with said hooks.

3. The combination with a corner post, and a side rail, of a sleeve abutting against said post, two plates within said sleeve in engagement with the opposite side walls thereof, means for spacing said plates apart and preventing relative longitudinal movement of said plate and said sleeve, means for connecting said plates to said post and means for detachably connecting said plate to said side rail.

4. The combination with a corner post having an opening in the wall thereof, and a side rail, of a sleeve abutting against said post, two plates within said sleeve and secured to opposite sides thereof, said plates terminating in a loop integral therewith and projecting through said opening and also terminating in hooks disposed beyond the opposite end of said sleeve a member rigidly secured to said side rail and including plate portions in alinement with the sides and top of said sleeve, and a transversely extending bar mounted between the side walls of said last-mentioned member.

5. The combination with a corner post, and a side rail, of a sleeve abutting against said post and formed of a metal plate bent to tubular form, dove-tailed connections between the abutting edges of said plate, two plates within said sleeve and in engagement with the opposite sides thereof and each having a projection in the edge thereof entering a corresponding recess in said sleeve, said last-mentioned plates extending beyond said sleeve at each end and connected to said post at one end and detachably connected to said side rail at the opposite end.

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

LEON SUSSMAN.

Witnesses:

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