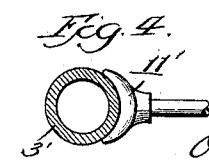
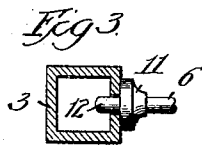
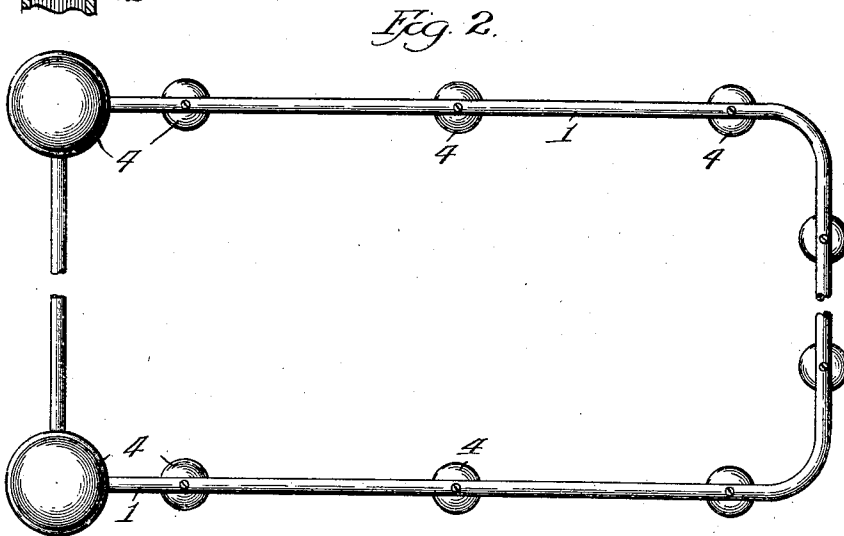
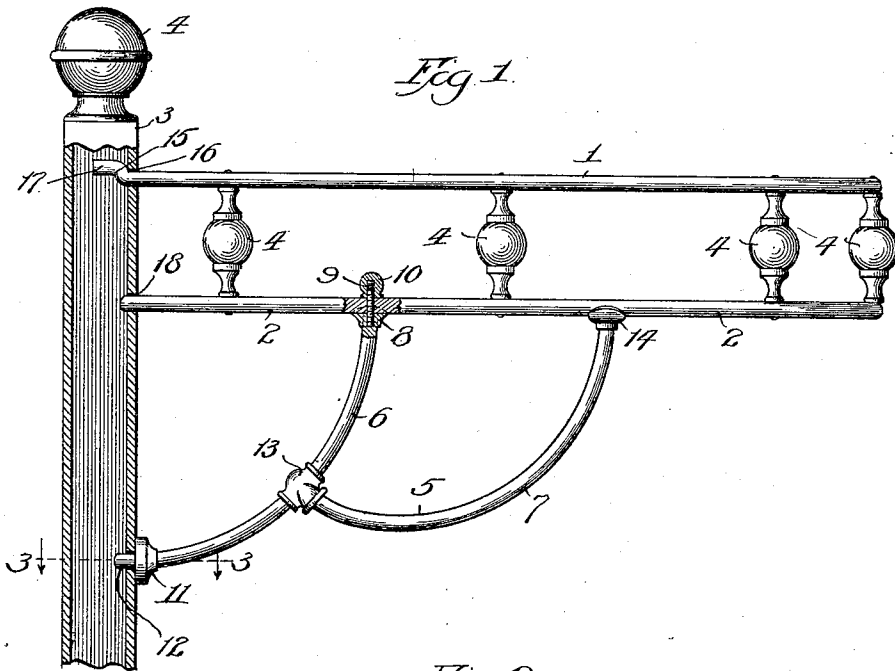


O. RUDD.
METAL BEDSTEAD CANOPY FRAME.
APPLICATION FILED JAN. 5, 1910.

977,552.

Patented Dec. 6, 1910.



Witnesses:
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UNITED STATES PATENT OFFICE.

OTTO RUDD, OF KENOSHA, WISCONSIN, ASSIGNOR TO THE SIMMONS MANUFACTURING COMPANY, OF KENOSHA, WISCONSIN, A CORPORATION OF WISCONSIN.

METAL-BEDSTEAD CANOPY-FRAME.

977,552.

Specification of Letters Patent.

Patented Dec. 6, 1910.

Application filed January 5, 1910. Serial No. 536,456.

To all whom it may concern:

Be it known that I, OTTO RUDD, a citizen of the United States, residing at Kenosha, in the county of Kenosha and State of Wisconsin, have invented certain new and useful Improvements in Metal-Bedstead Canopy-Frames, of which the following is a specification.

This invention relates to improved canopy frames and improved means whereby said frames may be detachably applied to tubular bedsteads to support netting, drapery, or the like.

Among the salient objects of the invention are to provide a construction which may be economically manufactured; a construction which is rigid and strong while at the same time presenting a light and ornamental appearance; to provide a structure which may be quickly applied to bedstead posts to automatically interlock therewith without the necessity of special additional locking parts; to provide a structure which when detached can be readily collapsed into small compass for shipment or storage; and in general to provide an improved structure of the character referred to.

The invention consists in the matters hereinafter described, and more particularly pointed out in the appended claims.

In the drawing—Figure 1 is a view showing the canopy frame chiefly in side elevation and showing the upper part of the bedstead post partly in axial section to indicate the manner in which the frame is attached; Fig. 2 is a plan view of the frame and head-posts, with parts broken out to reduce the size of the figure; Fig. 3 is a cross sectional view substantially in the line 3—3 of Fig. 1; Fig. 4 is a view similar to Fig. 3 but showing the modified construction adopted when the frame is applied to a round bedstead post.

Referring to the drawing, 1 and 2 designate upper and lower horizontal and parallel frame members, which are each approximately U-shaped and have their ends seated in and attached to the corresponding bed-posts 3, 3. The frame members 1 and 2 are suitably united and spaced apart by ornamental banister or spindle-like members 4, and in order to support the horizontal composite frame thus formed, skeleton brackets, designated as a whole 5, are provided.

In the ornamental construction shown each bracket 5 comprises an arc-shaped main member 6 spanning the angle between the lower side of the main canopy frame and the bed-post, and a second arc-shaped member 7 extending from about mid-length of the member 6 to a point upon the canopy frame more remote from the bed-post. The member 6 desirably terminates at its upper end in a hollowed mounting 8 which fits against the under side of the member 2 and in which is seated a screw-stud 9 which extends through a suitable aperture in the member 2. On the protruding upper end of each screw-stud is mounted an ornamental knob-like nut 10 whereby the parts may be rigidly clamped together. The lower end of the member 6 is provided with a collar 11 fixed thereon and having its face end conforming to the side of the bedstead post against which it is to fit. In the case of a square post the construction will be that shown in Fig. 3, while in the case of a round post its construction will be that shown in Fig. 4; the collar being in the latter figure designated 11'. Preferably, and as shown in Fig. 1, the collar is set back slightly from the end of the bracket member, and the latter is extended through a suitable aperture in the bedstead post, as indicated at 12, but it is not essential that the bracket members 6 extend into the bedstead post where the latter is round, as shown in Fig. 4, because displacement laterally is prevented in such case by the hollow face of the collar 11'. The member 7 is rigidly united with the member 6, desirably by means of a union coupling 13 of common construction, and the upper end of this member terminates in a mounting 14 which is hollowed out to conform to the lower rail 2 and may simply abut against the latter.

The terminal portions of the upper rail member 1 are provided with tubular short bends or kinks, as indicated at 15, whereby the frame as a whole is detachable yet firmly anchored to the bed-post. That is to say, each end 15 extends through a suitable aperture 16 in the bed-post, is provided just inside the wall of the bed-post with a short up-bend substantially at right angles to the main length of the member, and then is again bent and extended approximately parallel with the main member, as indicated at 17. The portion 17 extended beyond the

bend proper simply facilitates the entering of the frame member in the aperture of the bedstead post when assembling the parts. The lower frame member 2 desirably, although not necessarily, enters a suitable aperture in the bedstead post, as indicated at 18.

In assembling the parts, the canopy frame as a whole having been assembled into a rigid structure, is attached to the bedstead post by simply first entering the extension 17 in the aperture 16, then tilting the frame upwardly until the bends will slip through the aperture, then lowering the frame into its horizontal position and entering the ends 12 and 18 in their respective apertures. This completes the attachment. It will be seen that the brackets act as struts and the weight of the frame tends to draw the upper frame members 1 out of the posts, which movement is limited and prevented by the interhooked engagement of these parts with the bed-posts. Inasmuch as such a frame is never subjected to an uplifting disturbance, the frame retains its position reliably and perfectly without further adjustment, yet it may be instantly detached when desired.

While I have herein shown a preferred embodiment of the invention, it will be obvious that the construction may be modified as to its details without departing from the spirit of the invention.

I claim as my invention:

1. In combination, tubular posts of a bedstead, a canopy frame for supporting netting, drapery or the like, said frame comprising horizontal tubular members whose inner ends are offset a distance vertically to form locking shoulders, said bedstead posts

having openings of substantially the same contour and area as the cross sectional area of said tube members, whereby the offset ends of said tube members may, upon slight upward tilt of the tubular members, be inserted through said openings to bring the shoulders into locking engagement with the inner edges of said openings when said tubular members are again brought to horizontal position, bracket members extending from said tubular members, and collars on the inner ends of said bracket members for abutting against said bedstead posts when said tubular members are in horizontal position.

2. In combination, tubular posts of a bedstead, a canopy frame for supporting netting, drapery, or the like, upper and lower horizontal tubular U-shaped frames for said canopy frame detachably connected together at intervals, the ends of the upper horizontal frame being offset vertically to form locking shoulders, said posts having side openings through which the offset ends may enter upon slight vertical tilt of the U-frames whereby said shoulders interlock with the walls of the openings when the U-frames are brought to horizontal position, said posts having side openings for receiving the inner ends of the lower U-frame, supporting brackets having detachable connection with the lower U-frame, said posts having side openings for receiving the inner ends of the brackets, and collars on said brackets for abutting against said posts.

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Witnesses:

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