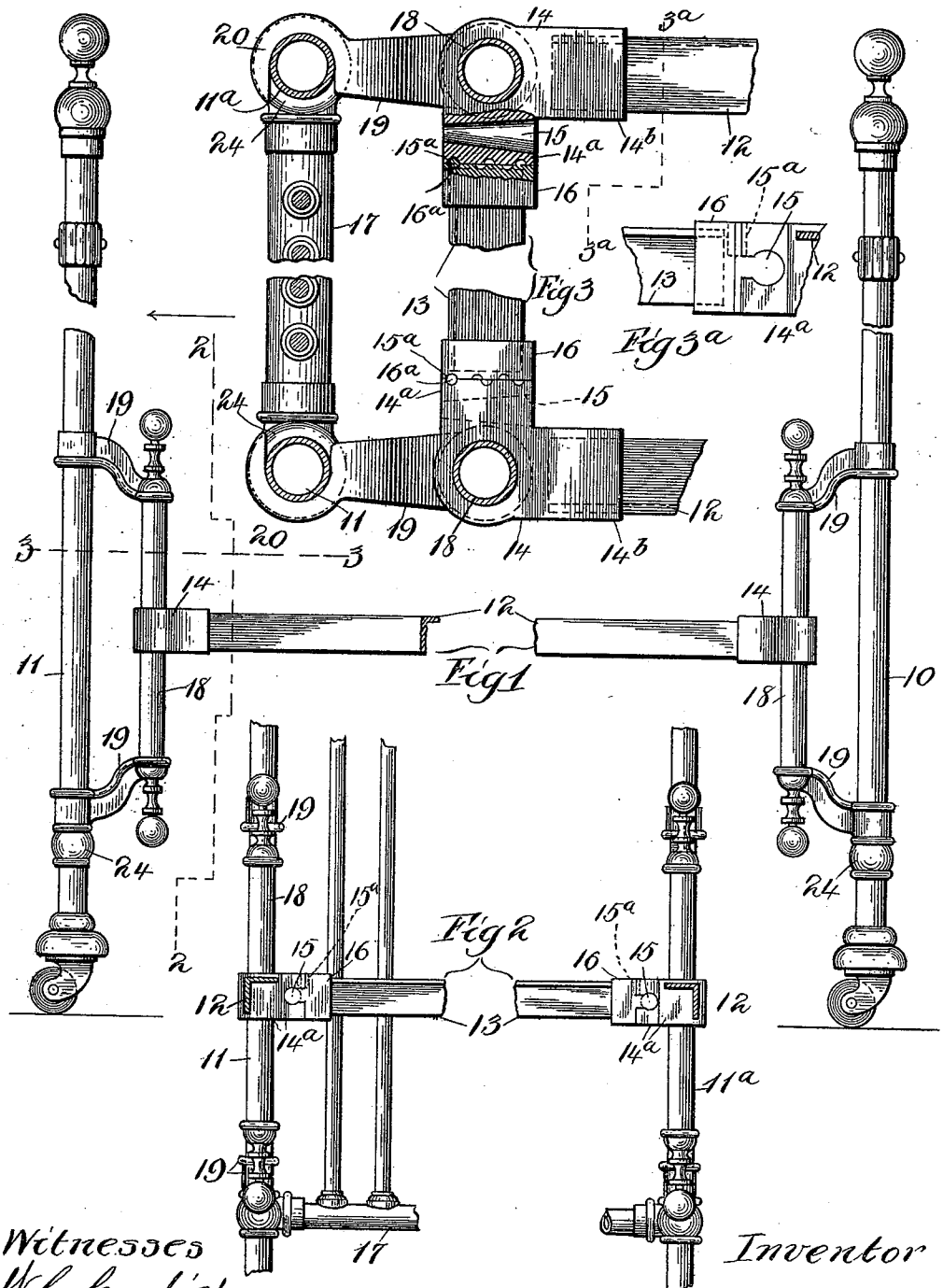
No. 643,589. Patented Feb. 13, 1900.

B. R. BLAISDELL.

BEDSTEAD.

(No Model.) (Application filed June 12, 1899.)

2 Sheets—Sheet 1.



Witnesses
W. C. Coles
Wm. Geiger

Inventor
Byron R. Blaisdell
By Louis A. Giesa
Atty

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

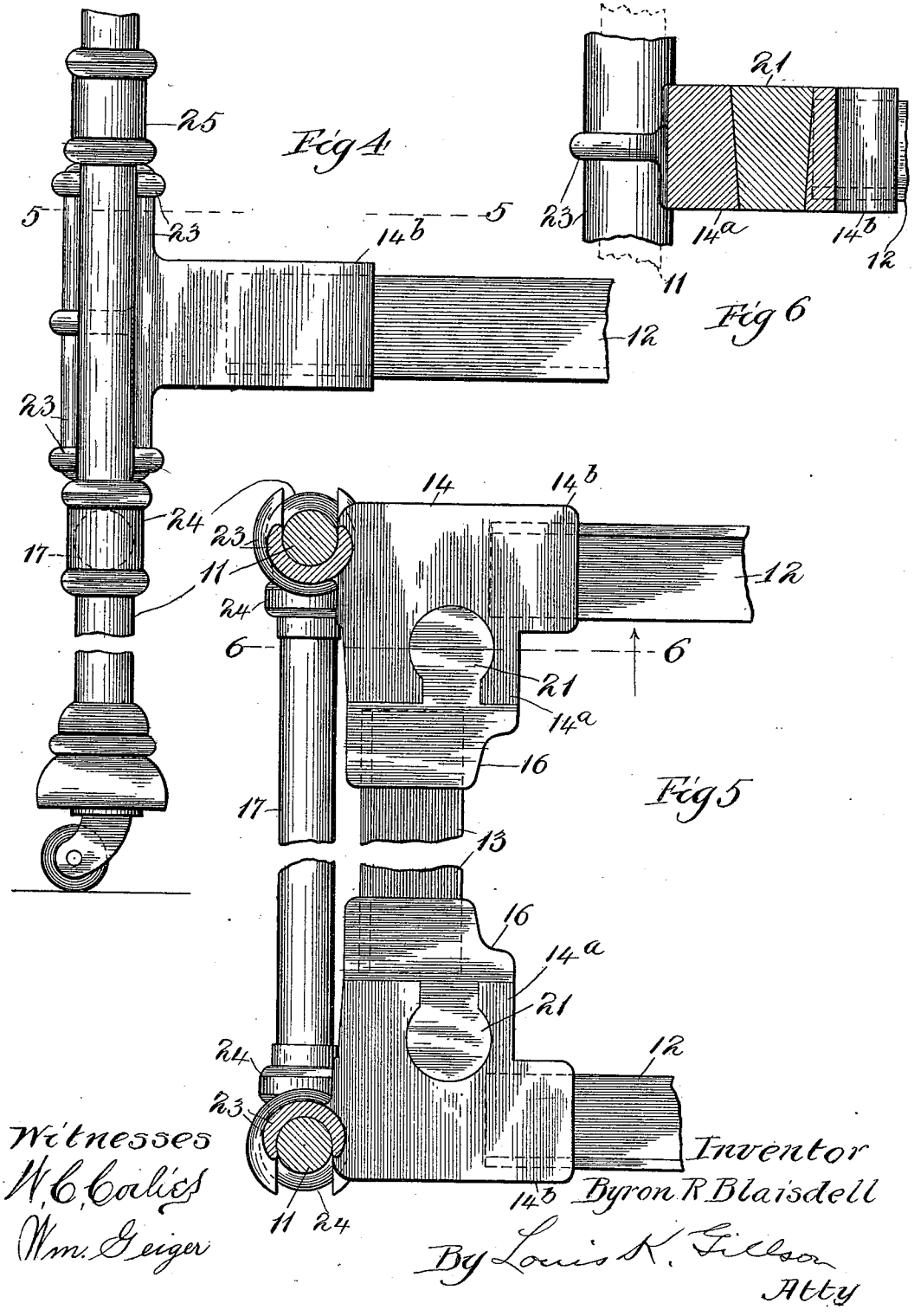
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Witnesses
W. C. Collier
Wm. Geiger

Inventor
Byron R. Blaisdell
By Louis K. Gillson
Atty

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

BYRON R. BLAISDELL, OF CHICAGO, ILLINOIS.

BEDSTEAD.

SPECIFICATION forming part of Letters Patent No. 643,589, dated February 13, 1900.

Application filed June 12, 1899. Serial No. 720,179. (No model.)

To all whom it may concern:

Be it known that I, BYRON R. BLAISDELL, a citizen of the United States, and a resident of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Bedsteads, of which the following is a specification and which improvements are illustrated in the accompanying drawings, forming a part thereof.

This invention relates particularly to metal bedsteads, in which there are employed head and foot pieces made up of frames having upright standards which constitute the corner-posts of the bedstead.

The object of the invention is to provide improved means for detachably securing the several parts or members of the bedstead together; and the invention consists in the construction hereinafter described and which is illustrated in the accompanying drawings, in which—

Figure 1 is a detail side elevation of a preferred form of my improved bedstead. Fig. 2 is a detail section of the same on the line 2 2 of Fig. 1. Fig. 3 is a plan section on the line 3 3 of Fig. 1. Fig. 3^a is a detail of the joint by which the cross-rail is secured to the side rails on the line 3^a 3^a of Fig. 3. Fig. 4 is a detail side elevation of the bedstead, showing a modified form of construction. Fig. 5 is a detail sectional view on the line 5 5 of Fig. 4, and Fig. 6 is a detail sectional view on the line 6 6 of Fig. 5.

Inasmuch as I show the same form of construction at the head and foot of the bedstead it will be necessary to describe only one. It will be understood, however, that while I prefer to use the same construction at both the head and the foot it is not really necessary that this form should be followed, and I do not therefore limit myself to it.

In the drawings I show one of the head-posts of the bedstead at 10 and the foot-posts at 11 and 11^a, which are united in the usual manner, one of the cross-rails of the foot-frame being shown at 17. The side rails are marked 12 and the cross-rail shown is designated 13. A corner-block 14, preferably a casting, is employed for securing the side and cross rails together. This block 14 is provided with two arms 14^a 14^b, which are perpendicular each to the other, and the arm 14^a is provided with a horizontal socket having a lateral opening through the end of the arm, which socket receives a key-piece 15, formed on a block 16, to which the cross-rail 13 is permanently attached. The side rail 12 is preferably permanently attached to the arm 14^b.

In the preferred form of construction a vertical rod 18 is permanently secured within the block 14, the union of the two being preferably secured by means of a chilled casting. The rod 18 is provided at its upper and lower ends with bracket-arms 19, rigidly secured to the rod and projecting in the opposite direction from and in line with the arm 14^b. Each of the bracket-arms 19 is provided at its outer end with a hook 20, which is adapted to engage the post 11 or 11^a or the post 10 when the construction is applied to the head of the bed.

The key-piece 15 is tapering in form, so that as it enters the socket in the arm 14^a it draws the two blocks 14 14 toward each other, thereby tightly clamping the hooks 20 20 to the posts 11 11^a. A vertical aperture 15^a, formed in part in the arm 14^a and in part in the block 16, receives a lock-pin 16^a. To compensate for possible variations in the castings, it is preferable to form a series of indentations in the end of the arm 14^a and the block 16, spaced apart differently in the two pieces, so that to whatever depth the key 15 enters two of the half-apertures will register to receive the key 16^a. The rails of the bedstead are supported by providing the corner-posts with rosettes, such as 24, upon which the hooks 20 may rest.

The side rails 12 are shown as being of angle-iron, the vertical flange being turned downwardly. It is the practice with some manufacturers to reverse the position of these angle-iron rails, so that the vertical flange projects upwardly. It will be readily seen that by reversing the position of the two side rails they will be thus turned over, while the parts can be united in exactly the same manner as already described and as shown in the drawings, so that the bedstead can be put together in such manner as to accommodate the particular form of mattress to be used in connection with it.

A cheaper, simpler, and slightly-modified

form of construction is shown in Figs. 4, 5, and 6, in which the vertical rods 18 are dispensed with and the hooks for engaging the bed-posts are formed integrally with the blocks 14. In order to provide a long bearing, as between the hooks and the posts, I project the hook 23 above and below the block 14. I also show in these figures the hooks as being curved outwardly, so as to engage the inner faces of the posts, and in lieu of the horizontal key-piece 15 these parts are made vertical, as shown at 21. It will be seen that the clamping action is precisely the same as in the form of construction heretofore described. The tapering form of the key-piece 21 will draw the side rails together or spread them apart as it enters its socket, as may be desired, and the pin 16^a may be dispensed with.

It is sometimes desirable to change the elevation of the bed-bottom, and this may be accomplished by the use of a plurality of rosettes upon the bed-post, as shown at 24 and 25. In Fig. 4 the side rails for supporting the bed-bottom are shown in their lowest position and being supported by the rosettes 24. By disengaging the parts they may be reassembled, with the hook 23 resting upon the rosette 25. When the vertical key-piece 21 is used, the side rails are not of course interchangeable, as it is essential that the socket in the block 14 taper upwardly.

By the construction described I show not only a convenient means for assembling and supporting the parts of the bedstead, but I also provide a prolonged engagement of the rails or frame forming the support for the bottom of the bed with the corner-posts, so that a very firm bedstead is secured, and I also provide for reversing the position of the angular side rails, as already described.

While I have shown the means for clamping the hooks to the standards as wedge-shaped or tapering key-pieces, I do not wish to be restricted to this form of construction, as any clamping mechanism coöperating with the hooks will come within the scope of the invention.

I claim as my invention—

1. In a bedstead, in combination, an end frame having vertical standards, side rails having at their ends hooks for engaging the said standards, and a cross-rail for connecting the side rails and being provided with means for clamping the hooks to the standards.

2. In a bedstead, in combination, an end frame having vertical standards, side rails having at their ends hooks for engaging the said standards, a cross-rail, a mortise-and-tenon joint between each side rail and the cross-rail, such joint having a wedge action longitudinal as to the cross-rail whereby the hooks are forced into engagement with the standards.

3. In a metal bedstead, in combination, the corner-uprights, the side rails, the corner-blocks attached thereto, a vertical rod fixed to each block, hooks fixed to the rod above and below the block for engaging one of the uprights, a cross-rail, a mortise-and-tenon joint between each side rail and the cross-rail, such joint having a wedge action longitudinal as to the cross-rail whereby the hooks are forced into engagement with the standards.

4. In a metal bedstead, in combination, the corner-uprights, the side rails, the corner-blocks attached thereto, each block being provided with a rigidly-attached hook for engaging the uprights, a cross-rail, a mortise-and-tenon joint between each side rail and the cross-rail, such joint having a wedge action longitudinal as to the cross-rail whereby the hooks are forced into engagement with the standards.

5. In a metal bedstead, in combination, an end piece having standards, interchangeable side rails each provided with a hook for clamping the standards, a cross-rail, a mortise-and-tenon joint between each side rail and the cross-rail, such joint having a wedge action longitudinal as to the cross-rail whereby the hooks are forced into engagement with the standards.

6. In a metal bedstead, in combination, an end piece having standards, side rails, and angle-blocks each attached to a side rail by one end, and having its outer end transversely socketed, a cross-rail having at its ends wedge-shaped key-pieces adapted to enter such sockets, and hooks secured to the blocks for engaging the standards.

BYRON R. BLAISDELL.

Witnesses:
E. J. TAYLOR,
A. BOWER.