Dec. 4, 1923. 1,476,089

M. LIPPS

BED CONSTRUCTION

Filed Nov. 18, 1920

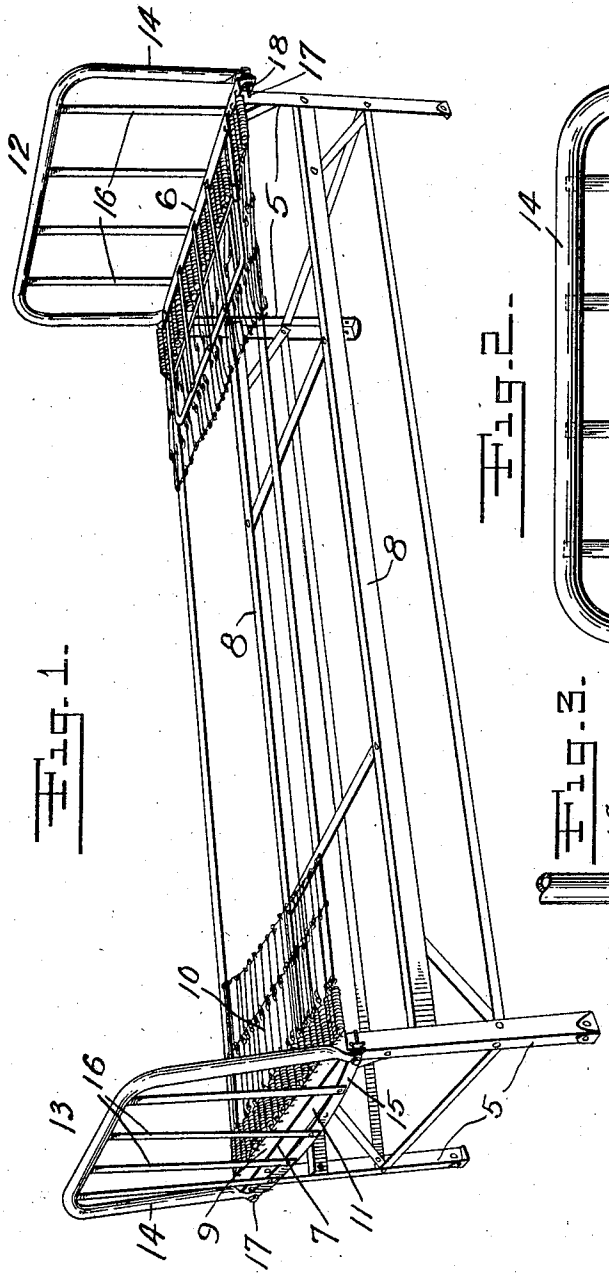


Fig. 1.

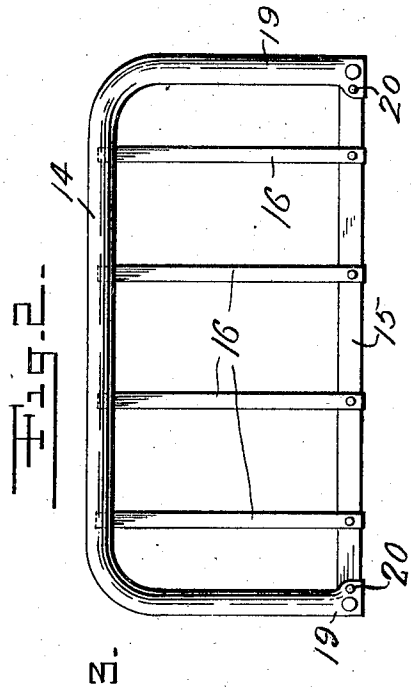


Fig. 2.

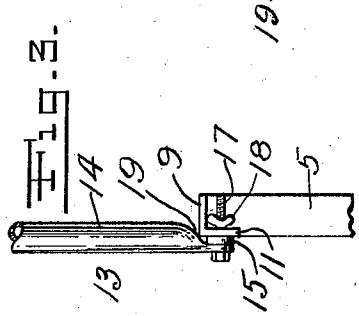


Fig. 3.

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By his Attorney
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Patented Dec. 4, 1923. 1,476,089

UNITED STATES PATENT OFFICE.

MORRIS LIPPS, OF NEW YORK, N. Y.

BED CONSTRUCTION.

Application filed November 18, 1920. Serial No. 424,986.

To all whom it may concern:

Be it known that I, MORRIS LIPPS, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Bed Constructions, of which the following is a specification.

This invention relates to beds or cots of the so-called "bungalow" type, and the objects of the invention are to improve beds of this character, particularly in the matter of appearance and in the matter of holding the bed clothes in place thereon.

One of the features of the invention is the provision of headboard and footboard members and means whereby the same may be readily applied and secured to the ends of the bed frame.

Other features will appear in the course of the following specification.

In the accompanying drawing, I have illustrated a practical embodiment of the invention wherein Figure 1 is a perspective view of one of the beds; Figure 2 is a detached enlarged view of one of the end members; Figure 3 is a broken detail view of one of the fastenings.

The frame of the bed disclosed is made up of the four corner posts 5, connected at one end by the head bar 6 and at the opposite end by the foot bar 7, said posts being connected at the sides by the sills or side bars 8. These bars may be of angle iron, as shown, and the head and foot bars may be secured on top of the posts, with one flange 9 disposed longitudinally and forming an anchorage for the ends of the bed spring 10 and the other flange 11 disposed vertically as a dependent apron at the back of the posts.

12 and 13 designate the detachable headboard and footboard members, the same consisting in each instance of an arch 14 of pipe or tubing, having its ends connected by a bar or flat strip 15, with intermediate filler strips 16, extending between the bottom bar 15 and the top of the arch to form a grille. If desired these end members may be of the same size and appearance and therefore adapted to be used interchangeably either at the head or at the foot of the bed.

The members 12 and 13 are secured in place at the head and foot of the bed by fastening consisting in the present disclosure of the bolts 17, passed through the lower ends of the arches and through the bottom bars 15 and the dependent flanges 11 of the end bars and provided with the wing nuts 18.

The lower ends of the tubular arches are shown as flattened at 19, where they engage the bottom bars and as secured in flat contact therewith by rivets or like fastenings 20. The filling-in strips are likewise securely fastened at their opposite ends to the arch and bottom bar respectively so that each of the end members constitutes a relatively light, well-braced frame which can be handled as a unit and which is strong enough to stand all strains to which it may be subjected.

In securing the end frames in the manner disclosed, the flattened-down ends of the tubular arches form stop shoulders resting on the corner edges of the angle iron end bars (Fig. 3), to support and to aid in positioning said frames, and the bottom bars 15 preferably rest flat against the vertical flanges of the end bars, so that when the nuts are tightened up, the frames are braced and securely held in their upright positions at the head and foot of the bed frame.

The ends described add materially to the appearance of the bed, and serve to hold the bed clothes in place and further provide convenient handholds by which the bed may be shifted from place to place. When the bed is to be shipped or stored these ends may be readily removed and be packed for instance, within the bed frame. The invention also enables the beds to be sold with or without the end boards, which can be added at any time. The fastenings disclosed are convenient and easily operated and the wing nuts are protected from injury and from being tampered with by being disposed beneath the overstanding horizontal flanges of the angle iron end bars, which therefore serve as guards.

I claim:

1. The combination of a bed frame having corner posts and angle iron end bars connecting the posts at opposite ends of the frame and having flanges resting on top of the posts and dependent flanges at the backs of said posts, detachable end members having arches connected at their lower ends by cross bars and bolts securing said end members with the cross bars in engagement with the dependent flanges aforesaid.

2. The combination of a bed frame having

corner posts and angle iron end bars connecting the posts at opposite ends of the frame and having flanges resting on top of the posts and dependent flanges at the backs of said posts, detachable end members having arches connected at their lower ends by cross bars and bolts securing said end members with the cross bars in engagement with the dependent flanges aforesaid, said arches being of tubular construction and flattened where engaged with the cross bars and provided adjacent such flattened portions with shoulders to bear on the corner edges of the angle iron end bars.

3. The combination with a bed frame, of a head or foot board unit applicable thereto and comprising an arch of tubular construction and having flattened ends, a cross bar integrally secured to said flattened ends and filler strips permanently connected at opposite ends with the cross bar and the top of the arch, and means for detachably securing said unit in position with the cross bar in engagement with the end of the bed frame.

4. The combination with a bed frame, of a head or foot board unit applicable thereto and comprising an arch of tubular construction and having flattened ends, a cross bar riveted to said flattened ends and filler strips connected at opposite ends with the cross bar and the top of the arch, and means for detachably securing said unit in position with the cross bar in engagement with the end of the bed frame and consisting of bolts extended through the flattened ends of the arch and the cross bar and nuts engaged on said bolts.

In testimony whereof I affix my signature.

MORRIS LIPPS.