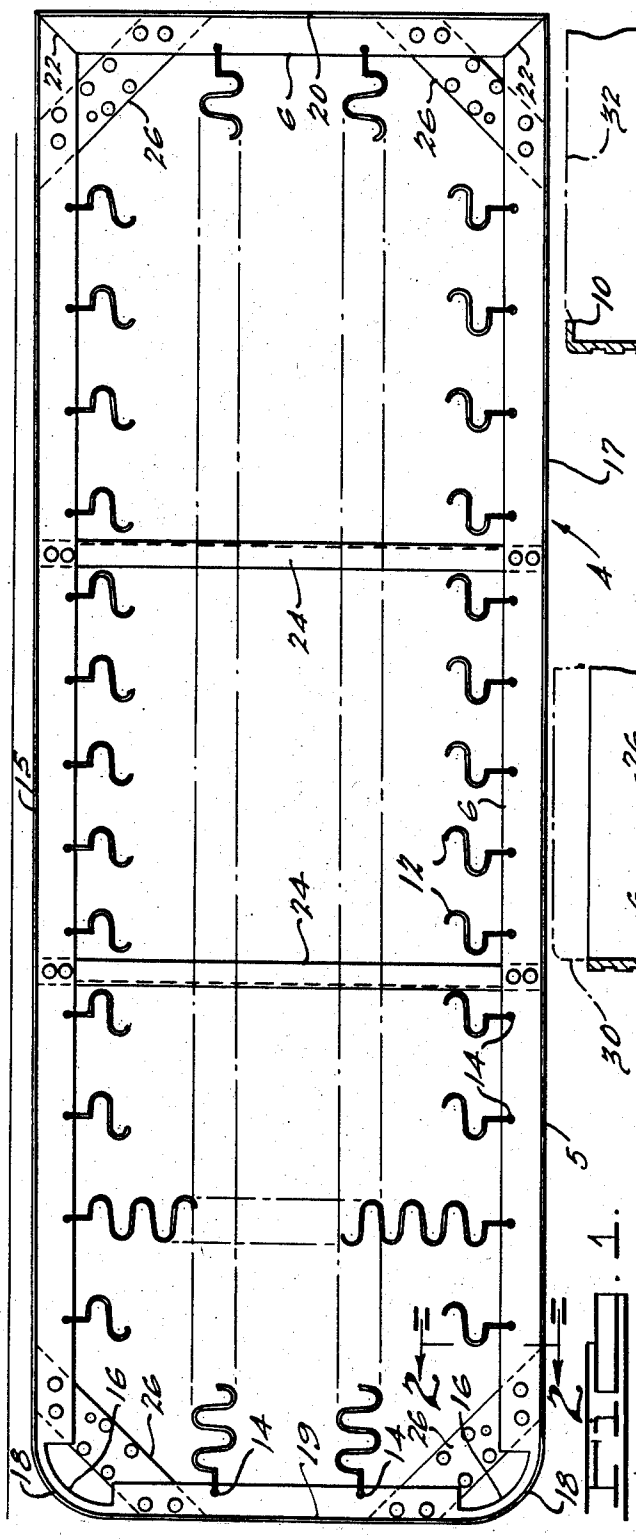
Oct. 20, 1959 H. HOPKES, JR 2,908,918

BED FRAME

Filed May 15, 1957



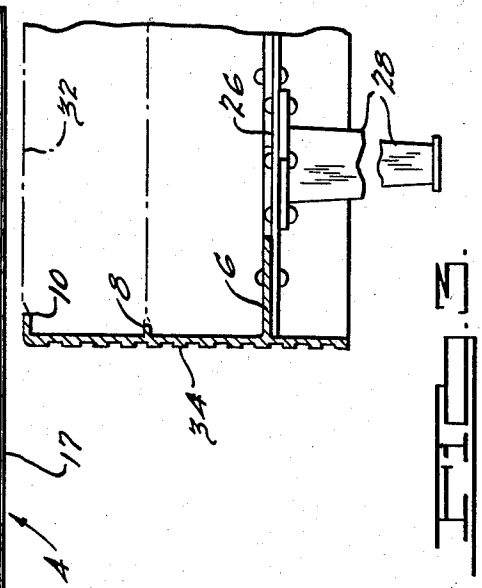


FIG. 3.

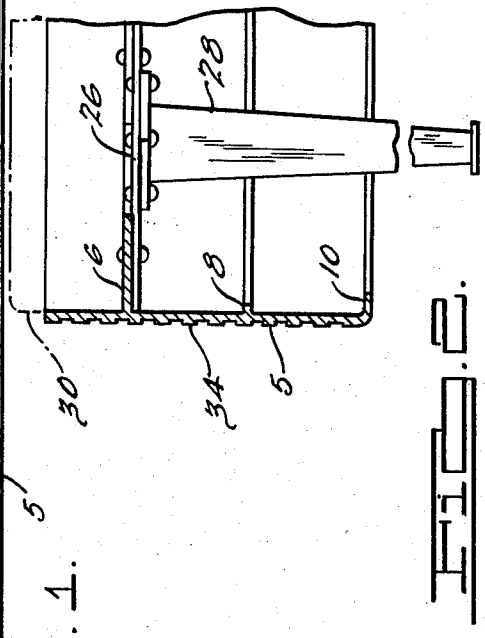


FIG. 2.

FIG. 1.

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BED FRAME

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3 Claims. (Cl. 5—200)

This invention relates to bed frames, and more particularly to a metal bed frame having an integral internal flange for supporting a plurality of spring strips.

It is one object of the invention to provide an attractive bed frame which can be mounted on legs of the same or different heights to accommodate mattresses of different thicknesses without changing the over-all height of the bed frame.

It is another object of the invention to provide an extruded metal bed frame having an attractive outer surface and an integral, internal flange thereon for supporting a wire spring.

It is a still further object of the invention to provide a metal bed frame for supporting wire springs which is attractive in appearance, inexpensive to manufacture, light in weight, and rugged in construction.

Other objects and features of novelty of the invention will be specifically pointed out or will become apparent when referring, for a better understanding of the invention, to the following description taken in conjunction with the accompanying drawing, wherein:

Figure 1 is a plan view of a bed frame and spring structure embodying features of the present invention;

Fig. 2 is a broken sectional view of the structure illustrated in Fig. 1, taken along the line 2—2 thereof; and

Fig. 3 is a broken sectional view of the structure illustrated in Fig. 2 with the bed frame in an inverted position.

Referring to the drawing, a metal bed frame 4 and spring assembly embodying features of the invention is comprised of an extruded strip 5 having integral, internal flanges 6, 8 and 10 extending from the inner surface thereof. The flanges 8 and 10 serve as reinforcing elements for the frame 4 and the wider flange 6 provides a mounting for the spring strips 12. The ends of the spring strips 12 are bent to form hook portions which engage suitable holes 14 in the flange 6. The preferred metal for the frame 4 is aluminum since it is readily extrudable and may be anodized to have a gold, silver or any colored surface.

Portions of the flange 6 are cut out as at 16 to permit the strip 5 to be bent to form rounded corners 18 at one end of the frame so that the sides 15 and 17 and the end 19 are formed of one continuous piece. A short section 20 of the strip 5 is welded or otherwise secured to the free ends of the sides 15 and 17 and the flanges 6 are mitered as at 22 to provide mated edges. The side portions of the frame are braced by suitable angle shaped strips 24 while plates 26 are riveted to the flange 6 across the corners of the frame. The plates 26 support the legs 28 which are bolted or riveted to the central portion thereof. Both ends can be provided with the

rounded corners 18 with the ends of the strip 5 abutted at one end between the corners and secured together.

As clearly illustrated in Figs. 2 and 3, the frame 4 can be mounted upon the legs 28 in either of two positions: one position wherein the flange 6 is adjacent to the top of the frame, and the other position wherein the frame is inverted and the flange 6 is adjacent to the bottom thereof. It will be observed that the spring strips 12 are at the same height from the floor in either arrangement and the same mattress produces a bed of the same height from the floor. The height of the legs 28 may be varied to change the height of the bed from the floor if mattresses of different heights are employed with the spring strips 12. For example, a foam rubber mattress 30, as illustrated in dotted lines in Fig. 2, is supported on the spring strips 12 within the frame 4 and extending above.

In the construction shown in Fig. 3, the flange 6 is adjacent the bottom of the side frame 4, and legs 28 are preferably shorter to maintain the over-all height of the bed the same. A thicker mattress may be supported on the spring strips 12 with the upper surface thereof disposed above or substantially along the line 32 so as to be flush with the flange 10. As clearly illustrated in Figs. 2 and 3, the outer surface of the extruded strip 5 has embossed portions 34 to add strength while reducing the weight of the material, and to provide an attractive appearance.

It is apparent that the present invention provides an attractive bed frame which is a distinct departure, both in appearance and construction, from prior metal bed frames. When anodized in a gold, silver or other color the exposed outer surfaces, broken by the embossed portions 34 running around the frame, provide a most atractive appearance.

What is claimed is:

1. A bed frame made from an extruded strip of material having an inwardly projecting flange, said flange being cut away at the corners to have the strip extend at the sides and across the two ends of the frame, legs secured to the flange at the four corners, and spring strips secured to said flange at the side portions of the extruded strip, said flange extending near one edge of said strip so as to have only a small portion of the strip extending above the spring strips when the legs are fastened to one side of the flange, and a larger portion extending thereabove when fastened on the other side of the flange.

2. A bed frame made from an extruded strip of material having an inwardly projecting flange, said flange being cut away at the corners to have the strip extend at the sides and across the two ends of the frame, plates secured to the flange at the four corners, legs secured to said plates, and spring strips secured to said flange at the side portions of the strip, said flange extending near one edge of said strip so as to have only a small portion of the strip extending above the spring strips when the legs are fastened to one side of the flange and a larger portion extending thereabove when fastened on the other side of the flange, and a second flange disposed between the other edge of the strip and said other side of the flange and extending inwardly a smaller distance than said first named flange.

3. A bed frame made from an extruded strip of material having an inwardly projecting flange, said flange being cut away at the corners to have the strip extend at the sides and across the two ends of the frame, legs secured to the flange at the four corners, and a plurality

of spaced spring strip securing means on said flange at the side portions of the extruded strip adapted to secure the ends of spring strips extending between said side portions of the strip, said flange extending near one edge of said strip so as to have only a small portion of the strip extending above said flange when the legs are fastened to one side of the flange and a larger portion extending thereabove when fastened on the other side of the flange.

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