Jan. 26, 1954 F. J. RESSLER ET AL 2,666,932

BEDSPRING HOLDER

Filed Dec. 6, 1950 2 Sheets-Sheet 1

FIG. 1

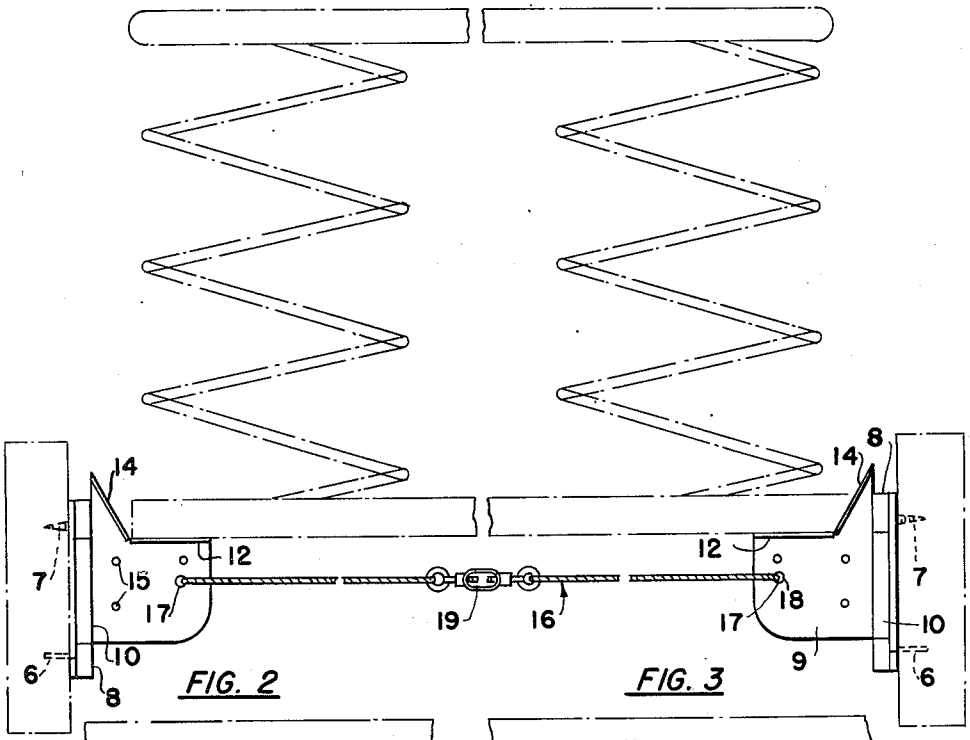


FIG. 2

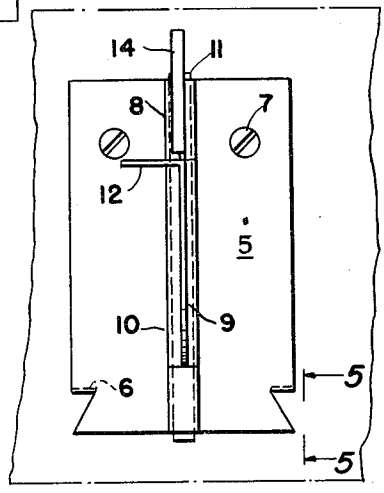


FIG. 3

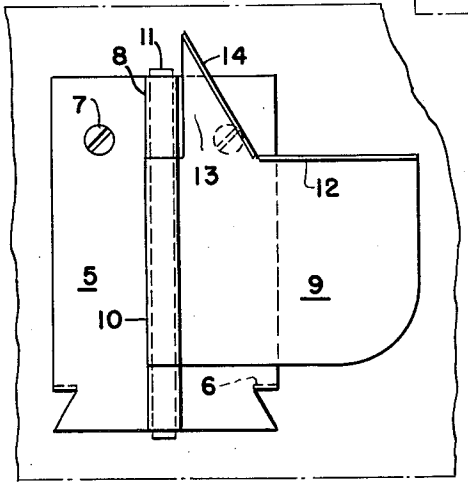


FIG. 4

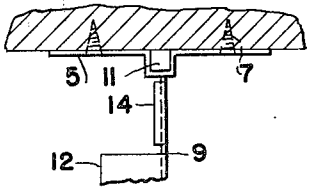
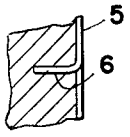


FIG. 5



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Jan. 26, 1954 F. J. RESSLER ET AL 2,666,932

BEDSPRING HOLDER

Filed Dec. 6, 1950 2 Sheets-Sheet 2

FIG. 6

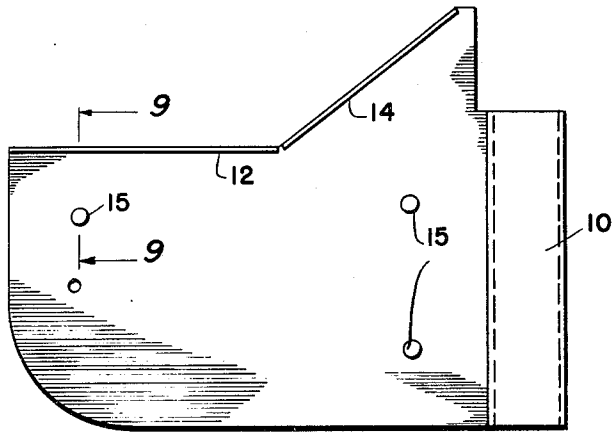


FIG. 7

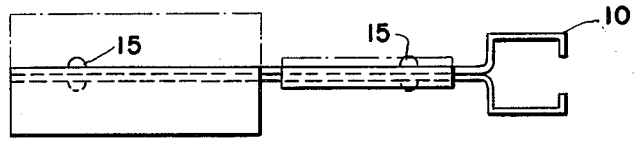


FIG. 8

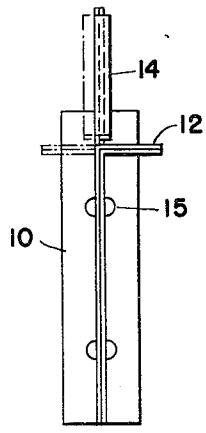
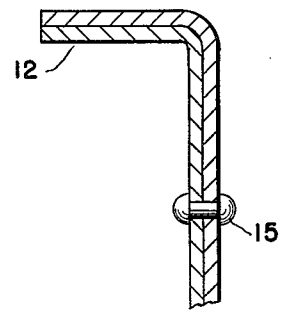


FIG. 9



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UNITED STATES PATENT OFFICE

2,666,932

BEDSPRING HOLDER

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Application December 6, 1950, Serial No. 199,464

1 Claim. (Cl. 5—207)

1

This invention relates to a bed spring holder and equalizer, and the objects thereof are to make a bed spring holder and equalizer that will consist of a few parts, be economical to manufacture, and further, that will be readily appliable to the side rails of a bed in such a manner as to evenly support a bed spring against accidental displacement at all times.

A still further object of this invention is to provide a bed spring holder consisting of an anchoring plate and supporting bracket therefor, which permit the devices to be readily packed and shipped, and easily secured and placed in position when ready for use, and further, one that can be manufactured and sold at a comparatively low cost.

With these and other objects in view, the invention consists of certain novel features, combination and arrangement of parts as will be hereinafter more fully described, pointed out in the accompanying drawings, and claimed.

In the drawings,

Figure 1 is a side elevational, plan view of our invention applied and as made in accordance with this invention, illustrating the bed spring in dotted lines;

Figure 2 is a front elevational view, illustrating our device as attached to the side rail of a bed;

Figure 3 is a front elevational view in inoperative position and illustrating the bed spring supporting element as stamped from one piece;

Figure 4 is a fragmentary, top plan view of the device when attached;

Figure 5 is a sectional view, taken on the line 5—5 of Figure 2;

Figure 6 is a side elevational view showing the bed spring supporting bracket;

Figure 7 is a top plan view of the device illustrated in Figure 6;

Figure 8 is a front elevational view, illustrating the supporting angles as positioned to either side of the element itself; and

Figure 9 is a sectional view, taken on the line 9—9 of Figure 6.

As illustrated in the drawings, the device consists of an attaching plate 5 made of a single blank, provided at its lower end on each side edge thereof with inturned, penetrating prongs 6, and these prongs, together with the fastening elements 7, such as screws or the like, are the means wherein this plate may be permanently secured to the inside face of the side rail of a bed at spaced intervals. The plate 5 is further provided with spaced barrel elements 8, the purpose of which will be hereinafter more fully described.

2

These barrel elements, however, are formed by pressing the same into the plate in a single operation, thus permitting the plate to be made of a single blank.

Before proceeding with further description, it is well to bring out that the main aim of this invention is to provide means for supporting a bed spring without the use of the usual slats, which are cumbersome and faulty in many ways. It is only necessary in the use of applicants' device to provide a series of these plates and their supporting brackets at various intervals and when once applied to the side rails of a bed, a bed spring is readily supported thereto.

A supporting bracket 9, formed from material suitable for the purpose, is provided on its rear edge with a barrel 10, which barrel 10 fits between the elements 8 of the attaching plate 5 and is removably held therein by a pin 11, which extends through the elements 8 and barrel 10 to support the member 9 in either active or inactive position.

When in active position the supporting bracket 9 is at right angles to the inner face of the side rail of a bed, and when these devices are at spaced intervals they provide supports for a bed spring. When the bed rail is not in use, or for the purpose of shipping, the pin 11 can be removed, the element 9 moved against the face of the side rail, the pin replaced and thus they are held in inactive position and permit the easy packing of the side rails for shipment.

The upper edge of each plate 9 is bent laterally at right angles either to the left or the right, to provide a supporting flange 12, and provides a horizontal supporting flange, and further the rear edge thereof is extended at a degree angle, as at 13, and its terminal edge is bent laterally at right angles, either to the right or left, to provide a further supporting flange 14. The flanges 12 and 14 provide the supporting means for the bed springs when placed thereon, and this is clearly shown in Figure 6 of the drawings. The reason for providing the flanges 12 and 14, either to the right or left of the body, is to provide right and left handed supporting brackets 9, this being for the purpose of convenience. However, it is not essential, nor is it necessary.

As illustrated in Figures 6 to 9, inclusive, of the drawings, the supporting bracket 9 is made in two pieces, of the same identical shape, and riveted together, as at 15. Thus the two pieces are formed and when placed together the structure, illustrated specifically in Figures 6 and 7 of the drawings, is reproduced. However, it is to be understood that this structure could be stamped out

of a single blank, as illustrated in Figure 3. The inventors believe, however, if the structure is made in two pieces, as shown in the above mentioned views of the drawings, that it would have more rigidity and strength when in use.

It is to be understood that another important feature of this invention is that the bracket as a whole comprises the attaching plate and the supporting bracket and pin. Thus they could be sold in series, easily packed in small cartons, and applied by the ultimate users themselves, thereby saving a great deal of expense in shipment and doing away with the cumbersome slats and other means of bed spring supports. It is equally true that by virtue of the connection between the supporting element and the attaching plate and its pin that connects the two together, that they also can be held in inactive position after the attachment to the side rails, which permits easy shipping due to the nesting or stacking of the side rails, one upon the other.

To further support the side rails against warping or getting out of line, there is provided an equalizer 16, which is illustrated in the form of a cable attachment, as at 17, on each of the supporting brackets 9 through the openings 18 formed therein, and the free terminals are connected by a turn buckle 19 which permits the ready tensioning or adjusting of this cable to hold the side rails in even balanced position.

It is to be understood that various changes may be resorted to without departing from the spirit and scope of the invention as claimed.

Having thus described our invention, what we claim as new is:

A bed spring support comprising an attaching plate having bed attaching means formed thereon, a pair of spaced pin receiving elements formed centrally on one face of said plate adjacent the top and bottom thereof, a supporting bracket, a barrel formed on the rear edge of said bracket, said barrel fitted between the opposing faces of said elements of the attaching plate and adapted to be moved in different positions, a pin locking means removably arranged in said elements and barrel to retain said bracket in operative or inoperative position relative to said attaching plate, and bed spring supporting means formed on the upper edge of said bracket.

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THOMAS MARK SHOCKEY.

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