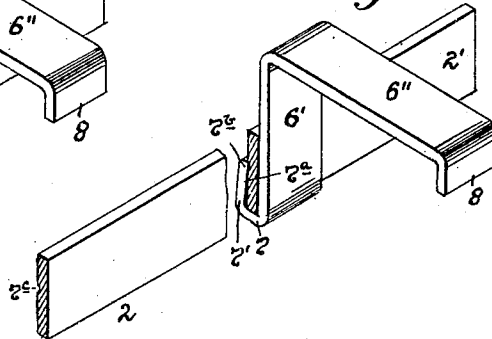
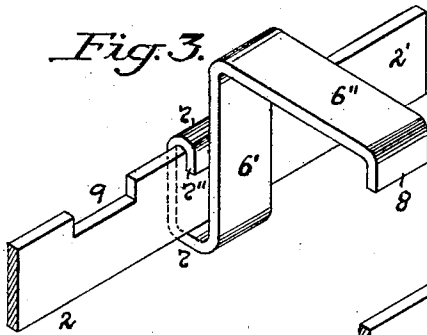
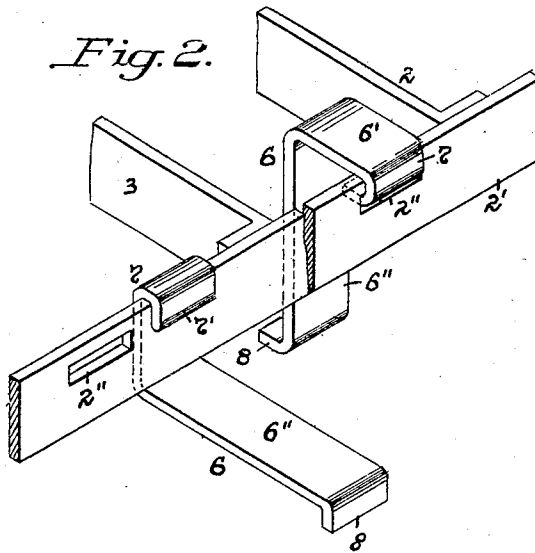


969,501.



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# UNITED STATES PATENT OFFICE.

MONTGOMERY SLEETH, OF WILMERDING, PENNSYLVANIA, ASSIGNOR TO FORT PITT BEDDING COMPANY, OF PITTSBURG, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

## BED-SPRING-SUPPORTING FRAME.

969,501.

Specification of Letters Patent.

Patented Sept. 6, 1910.

Application filed December 29, 1909. Serial No. 535,418.

*To all whom it may concern:*

Be it known that I, MONTGOMERY SLEETH, a resident of Wilmerding, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Bed-Spring-Supporting Frames; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to bed spring supporting frames, and has for its object to provide a frame which can be hung from and used with iron or wooden bed-steads of varying sizes.

My invention consists, generally stated, in the novel arrangement, construction and combination of parts, as hereinafter more specifically set forth and described and particularly pointed out in the claim.

To enable others skilled in the art to which my invention appertains to construct and use my improved bed-spring-supporting frame, I will describe the same more fully, referring to the accompanying drawing, in which—

Figure 1 is a cross-section of a bed-spring and its supporting frame having my invention applied thereto and showing the manner of application to the rails of a bed-stead. Fig. 2 is a detail perspective view showing a portion of the frame and the frame supporting members in different positions thereon. Figs. 3 and 4 are perspective views showing other forms of my invention.

Like symbols of reference herein indicate like parts in each of the figures of the drawing.

As illustrated in the drawing, 1 represents the upper frame of a single section of a bed-spring, and 2 the rectangular lower or spring supporting frame of the same provided with the cross-bars 3. Between the frames 1 and 2 are located the helical springs 4, which are connected at their lower ends to the frame 2 and cross-bars 3, and their upper ends are connected to the interwoven wires 5 carried by the frame 1.

As shown in Figs. 1 and 2 the side bars 2' of the frame 2 are provided with slotted openings 2'' within the same and the hangers or supporting members 6 are connected to such bars of said frame for engaging with the rails of the bed. These members 6 are preferably formed from flat or thin sheet metal by bending into an L-shaped form and have an inturned U-shaped hook-portion 7 at one end of the body portion 6' of the same provided with the lip 7', and a lip or flange portion 8 at the other end of the body portion 6'' of the same, which flange extends out at right angles therefrom and in the same direction as such portion 7, such as is shown in Figs. 1 and 2.

In applying the hangers 6 to the bars 2' of the frame 2, they are placed thereon by inserting the hooked ends 7' of the U-portion 7 in the slots 2'' in said bars, as shown by the hanger at the upper part of Fig. 2, and then their opposite flanged ends 8 are swung outwardly therefrom, so that the body portion 6' will be in a vertical line with the inside of said bars and adjacent thereto and the body portion 6'' will be in a horizontal plane below said bars, which will thereby allow the hook portion 7 to engage with the top edge of the bars and the lip portion 7' to free itself from said slots and be in a vertical line with the outside of said bars and adjacent thereto. After this is done the hangers 6 are slid along the bars 2' of the frame 2 by their U-shaped portions 7, to a position out of line with the slots 2'' in said bars, such as is shown in the lower part of Fig. 2, which will act to hold such hangers in the position desired for use in connection with the side rails *a* of metal bed, as shown in Fig. 1, by their body portions 6'' fitting against the top of such rails and the flanges 8 thereon fitting against the outer sides of said rails.

It will be obvious that when the spring is to be packed, stored, or shipped, or when the same is used in connection with a wooden bed, that the hangers 6 can be removed from the bars 2' of the frame 2 by sliding the same along said bars, so that the U-portions 7 thereon will register with the slots 2'' in said bars, as shown in the upper part of Fig. 2, and then the body portion 6'' of the hangers are swung inwardly, so that the lip portion 7 on said portion can be passed outwardly of said slots to free such hangers from the same and said bars.

In Fig. 3 the bars 2' of the frame 2 are shown as being provided with the recessed portions 9 in the upper side edges of the same, in which case the body portions 6' of the hangers 6 have an out-turned U-shaped portion 7, which is provided with a like shaped inturned portion 7'' at its end, so that such portion 7'' will fit within said re-

cessed portion and around said bars in being  
 placed on said bars, as shown by dotted  
 lines in said figure, and then such hangers  
 can be raised so that the hangers 6 can be  
 5 slid along to allow the portion 7'' thereon  
 to engage with the upper side edges of said  
 bars, as shown in full lines in said figure,  
 which will thereby raise said hangers above  
 the frame bars and permit the same to en-  
 10 gage with the side rails of the bed. In re-  
 moving such hangers the portion 7'' of the  
 same are slid along to register with the re-  
 cesses 9, which will allow said portion to  
 drop down into said recesses, so that the  
 15 hangers can then be lifted off the bars 2'.  
 In Fig. 4 the same form of hanger is  
 shown, as in Fig. 3 with the exception that  
 the U-shaped portion 7'' is dispensed with,  
 and the out-turned U-shaped portion 7' is  
 20 turned inwardly toward the body portion 6'  
 to form the spring portion 7<sup>a</sup>, in which case  
 such hanger in being placed in position is  
 snapped around the bar 2' to hold the same  
 in place for engaging with the rails of a  
 25 bed by such portion 7' fitting under said  
 bars and the portion 7<sup>a</sup> bearing against the  
 inner faces of said bars, and if desired, said  
 hanger can be slid along said bar to the po-  
 sition desired. A lip portion 7<sup>b</sup> can be  
 30 formed on the spring portion 7<sup>a</sup> for fitting  
 within a recess 7<sup>c</sup> formed on the inner face  
 of said bars to further assist in holding the  
 hanger in place. In removing such hanger  
 from the bars 2' the U-shaped portion 7'  
 35 thereon is forced down from said bars, so

that the spring portion 7<sup>a</sup> will be disen-  
 gaged from the bars and thereby free the  
 hanger therefrom.

Various other modifications and changes  
 in the design and construction of the device 40  
 may be resorted to without departing from  
 the spirit of the invention or sacrificing any  
 of its advantages.

It will thus be seen that my improved bed-  
 spring-supporting frame will enable the 45  
 supporting members to be readily and  
 quickly connected to and removed from the  
 frame, and such members can be applied to  
 springs formed in one or more sections,  
 while at the same time such members when 50  
 in position will form a stiff and rigid con-  
 nection with the bed and will not be liable  
 to become displaced when set in position for  
 supporting the spring upon the bed.

What I claim as my invention and desire 55  
 to secure by Letters Patent is—

In means for applying a support to bed-  
 springs, the combination of a bed-spring  
 supporting frame formed of bars provided  
 with openings therein, and removable hang- 60  
 ers adapted to be slidably connected to said  
 bars by said openings through a swinging  
 movement.

In testimony whereof, I, the said MONT-  
 GOMERY SLEETH, have hereunto set my hand. 65

MONTGOMERY SLEETH.

Witnesses:

WM. F. WEPPNER,  
 H. E. WOLF.