L. A. BELDEN.

INVISIBLE BED DRAWER.

APPLICATION FILED APR. 21, 1917.

1,250,946.

Patented Dec. 25, 1917.

Fig. 1.

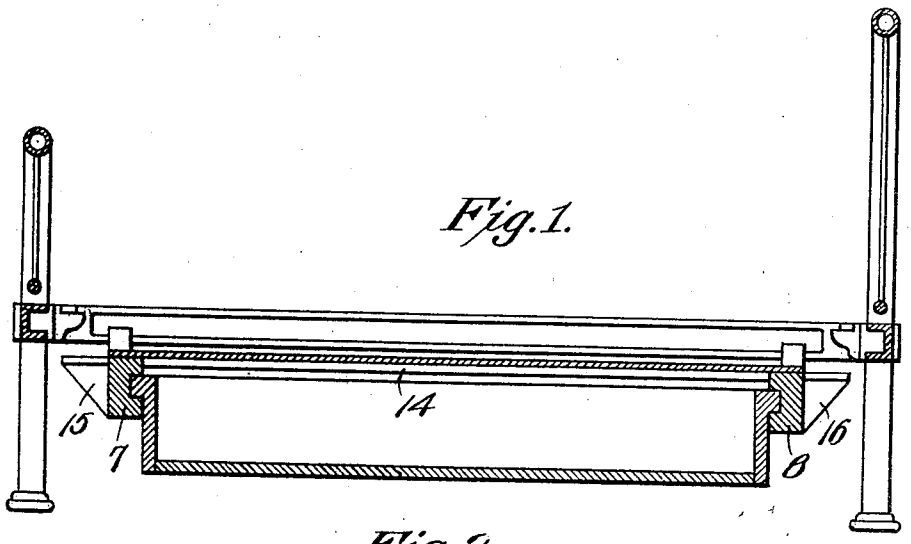


Fig. 2.

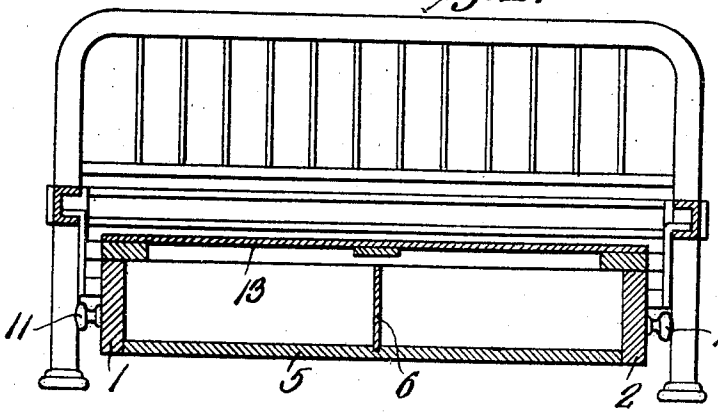


Fig. 3.

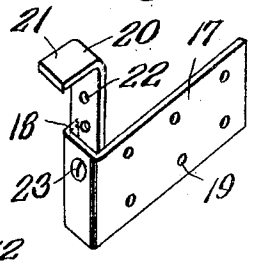


Fig. 4.

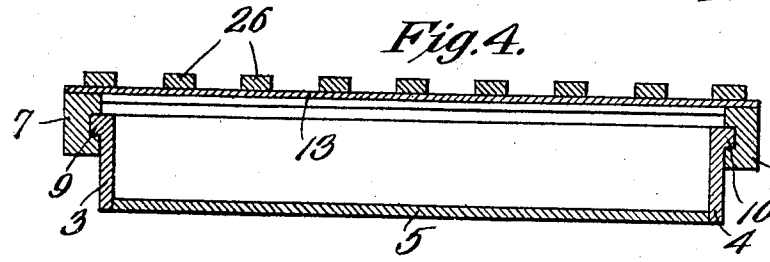
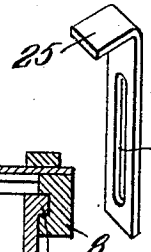


Fig. 5.



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INVISIBLE BED-DRAWER.

1,250,946. Specification of Letters Patent. Patented Dec. 25, 1917.

Application filed April 21, 1917. Serial No. 163,686.

To all whom it may concern:

Be it known that I, LOTTA A. BELDEN, a citizen of the United States, residing at Birmingham, in the county of Jefferson and State of Alabama, have invented certain new and useful Improvements in Invisible Bed-Drawers, of which the following is a specification.

This invention relates to an improvement in a bed drawer, and more particularly to a drawer of this character which can be fitted for use in conjunction with various types and styles of beds and which will present the drawer to be accessible from either or both sides of the bed.

An object of my invention resides in providing a structure of the character described which has the parts thereof so arranged and mounted that adjustments may be made to fit the drawer and the supporting structure therefor to beds of various types and sizes, and to at all times present the drawer in such a relation that it may be readily moved in and out without interference to or from the springs or other parts of the bed proper.

A further object is to provide means by which a dust-tight closure and covering of the drawer is accomplished and means by which the drawer supporting structure is protected against being displaced even though the springs of the bed may sag to let all of the weight from the bedding upon the drawer supporting part.

With the above and other objects in view, which will be in part described and in part understood from the specification, drawings, and claims, my invention consists in certain novel features of construction and combinations of parts which will be hereinafter fully set forth.

In the drawings:—

Figure 1 is a view in longitudinal vertical section through a bed having the structure of my invention fitted thereto;

Fig. 2 is a transverse sectional view through the bed and drawer structure;

Fig. 3 is a perspective view showing one of the hangers for mounting the drawer supporting structure from the bed structure;

Fig. 4 is a transverse sectional view to a slightly modified form of drawer and supporting structure; and,

Fig. 5 is a perspective view showing a modified form of hanger.

In the present instance I have illustrated the structure of my invention as being applied to and fitted in conjunction with a metal bed, although as the description progresses, it will be seen that the device is not limited to one specific adaptation in use, but might be employed in conjunction with practically any type of bed irrespective of the construction thereof and of the size as well as of the character and size of springs. The drawer comprises the two fronts 1 and 2, the sides 3 and 4, and a bottom 5, it being preferable that the partition 6 be provided to divide the drawer into two compartments, the partition being fitted between the side portions 3 and 4. Channeled guide bars 7 and 8 make up the main drawer supporting structure and slides 9 and 10 are provided on the sides of the drawer to be fitted and to move in the channels of the guide bars 7 and 8. While the drawer can be made of any width desired, it is preferable that the length between the fronts 1 and 2 be approximately four feet so that the device will be adapted for use upon the standard sizes of beds although it will of course be appreciated that this dimension might be increased or decreased to fit the particular conditions of use. The knobs or handles 11 and 12 are mounted on the drawer fronts 1 and 2, and due to the size of the drawer these handles will be presented at positions to be conveniently grasped in moving the drawer to either the opened or closed position, when the parts are mounted and assembled in the manner shown in the drawing. A dust-proof cover 13 is mounted over the drawer and upon the guide bars 7 and 8, angle iron or other suitable stiffening members 14 being preferably provided to hold the guide bars 7 and 8 in the proper spaced relation and to support the cover 13 from the under side thereof. These angle iron or other members 14 are extended beyond the guide bars 7 and 8 and bracket pieces 15 and 16

are fitted in place to brace the guide members 7 and 8 against being spread when weight is brought to bear within the drawer.

Guide bars 7 and 8 will be mounted as a unit by the members 14, and to secure the proper support of the drawer beneath the bed, it is necessary that these guide bar members 7 and 8 be mounted transversely between the side rails of the bed and beneath the springs, and while various expedients might be resorted to to accomplish this mounting, it is desirable that an adjustable hanger be provided so that the structure may be mounted and supported in conjunction with beds of various types and of various design. With this purpose in view, I provide the angle plates 17 which are substantially L-shaped form with a return flange 18. These plates have a plurality of openings 19 formed through the main side thereof and paired as shown in Fig. 3, and it is the intention that these plates be mounted on the outer sides of the guide bars 7 and 8 by means of screws or other suitable fastening means so that adjustment of the length of extension beyond the guide bars will be obtained by setting the fastenings in various pairs of the openings 19. Hanger plates 20 have the body portion thereof made of such width that they can be slidably fitted between the body of the plate 17 and the flange 18 thereof, and these hanger members 20 have supporting flanges 21 formed in conjunction therewith. A single opening is provided through the short arm of the angle plate 17 and the body of the hanger members 20 has a plurality of greater openings 22 formed therein, a set screw 23 being provided to be fitted through the opening of the plate 17 and adjusted to various of the openings 22 so that the height of the supporting flange 21 above the guide bars 7 and 8 can be regulated.

From the foregoing it will be seen that I have provided a structure in which the member 20 can be adjusted to bring the drawer to the proper height, whereas the plate 17 at one or both ends of the guide bars can be adjusted to insure that the flanges 21 will be extended sufficiently to engage with the side rails of the bed. If desired, a hanger member constructed after the manner shown in Fig. 5 might be employed and a clamp bolt could be inserted through the slotted opening 24 thereof and through the orifice of the plate 17 so that various adjustments of the height of the supporting flange 25 above the guide bars 7 and 8 could be accomplished.

In Fig. 4 of the drawings I have shown a slightly modified form of the supporting construction which might be employed where a bed is constructed to have slats fitted between the side rails and as is here illustrated, the slats 26 are mounted directly on the cover 13 and are thus made a part and parcel of the guide bar supporting structure. In setting this supporting structure in place, the slats 26 will be placed across between the side rails of the bed, however, this manner of mounting possesses the disadvantage that the height of disposition of the drawer supporting structure cannot be varied, and that the drawer may thus be exposed at an inconvenient location beneath the bed, or even that parts of the frame work or of the spring structure may interfere with or preclude the use of the device, while at the same time, it is always necessary in practically every instance to attach the slats of the particular bed to which the device is to be fitted, in the relation shown at 26, as otherwise it would be necessary to carry a large stock of the guide bars with different lengths of slats mounted thereon.

From the foregoing it will be seen that a bed drawer is provided which is of such construction that access may be had to the drawer from either side of the bed on which the structure is fitted, and a supporting structure is provided and is made adjustable to permit fitting to beds of various sizes and that each of the parts is mounted in the relation to brace with and reinforce the remaining parts; and, while I have herein shown and described only certain specific forms of the construction, it will of course be understood that a number of changes and variations might be resorted to in the form and arrangement of parts, that the members might be made of wood or of metal, and that a number of other points might come within the scope of my invention, in view of which fact I do not wish to be limited to the exact disclosure but rather to such points as may be set forth in the claims.

I claim:—

1. A bed drawer including a drawer portion proper, guide bars, means to hold said guide bars in such relative mounting that the drawer may be fitted and moved therebetween, a substantially L-shaped plate for each of the ends of the guide bars, said plate being provided with spaced openings to thus permit adjustable mounting on the guide bars, a hanger member provided with a plurality of spaced openings, a set screw to be received in the various openings and hold the hanger member adjusted with respect to the substantially L-shaped plate, and a supporting flange provided on the hanger member to bear upon a portion of a bed frame to support the parts in a position for use.

2. A bed drawer including a drawer portion proper, guide bars, means to hold said guide bars in such relative mounting that the drawer may be fitted and moved therebetween, a substantially L-shaped plate for

each of the ends of the guide bars, said plate being provided with spaced openings to thus permit adjustable mounting on the guide bars, a hanger member provided with a plurality of spaced openings, a set screw to be received in the various openings and hold the hanger member adjusted with respect to the substantially L-shaped plate, a supporting flange provided on the hanger member to bear upon a portion of a bed frame to support the parts in a position for use, a cover mounted over and above the guide bars, and means to support said cover and to brace the guide bars.

In testimony whereof I affix my signature in presence of two witnesses.

LOTTA A. BELDEN.

Witnesses:

C. F. MANLY,

SIMEON BELDEN, Jr.