

Nov. 3, 1953

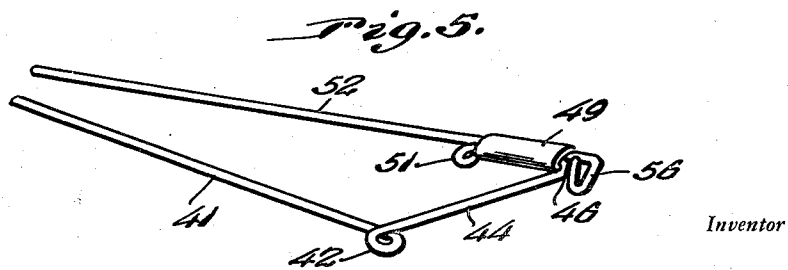
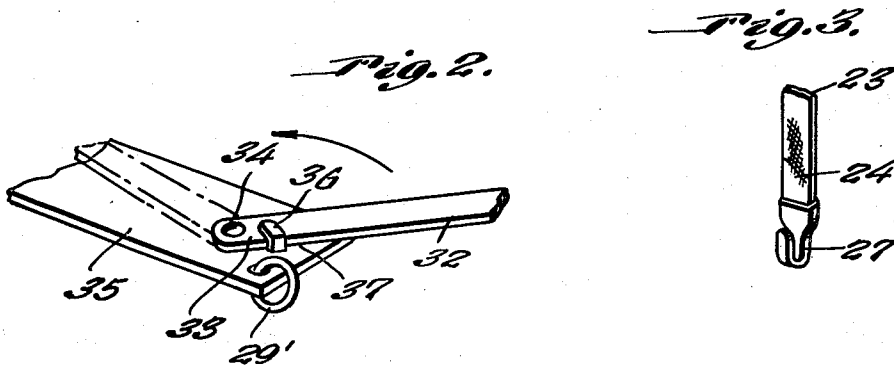
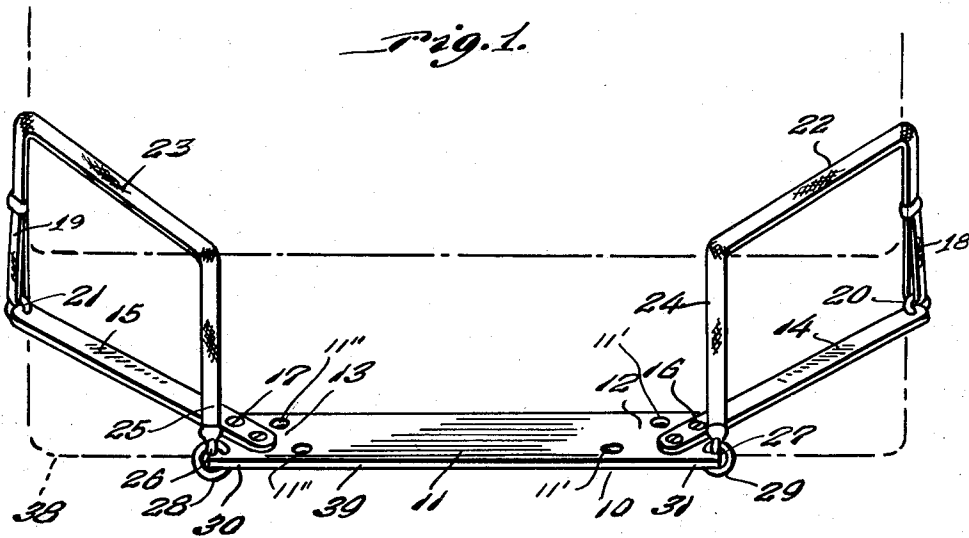
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2,657,441

HOLDER FOR BED CLOTHING

Filed Nov. 3, 1949

3 Sheets-Sheet 1



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3 Sheets-Sheet 2

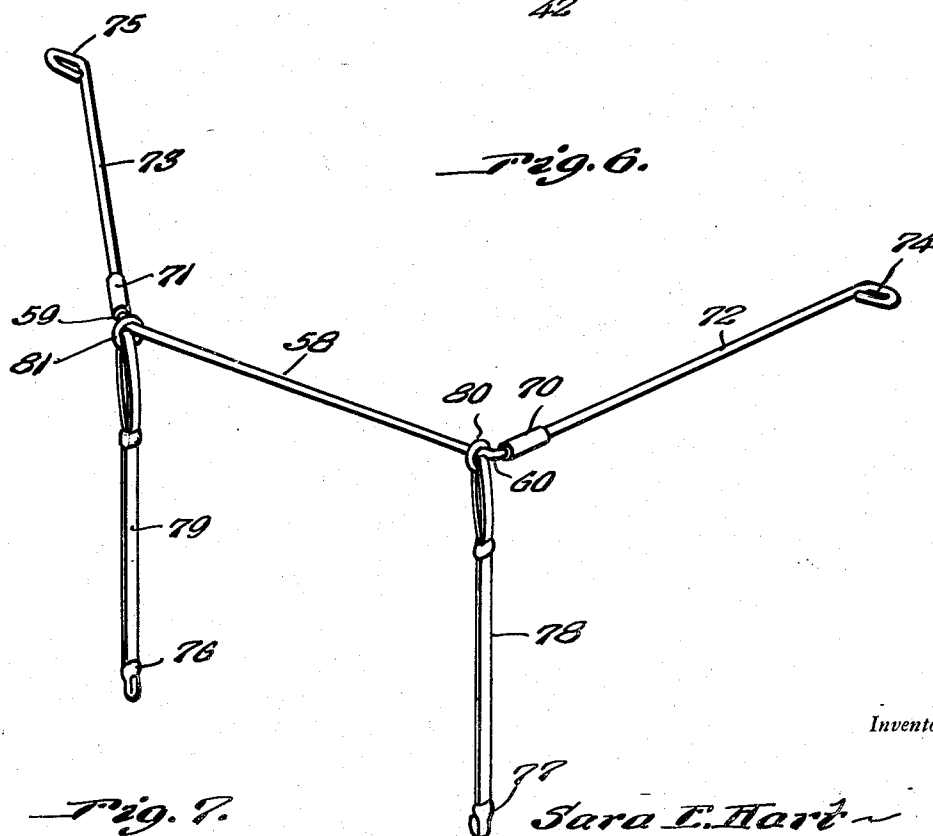
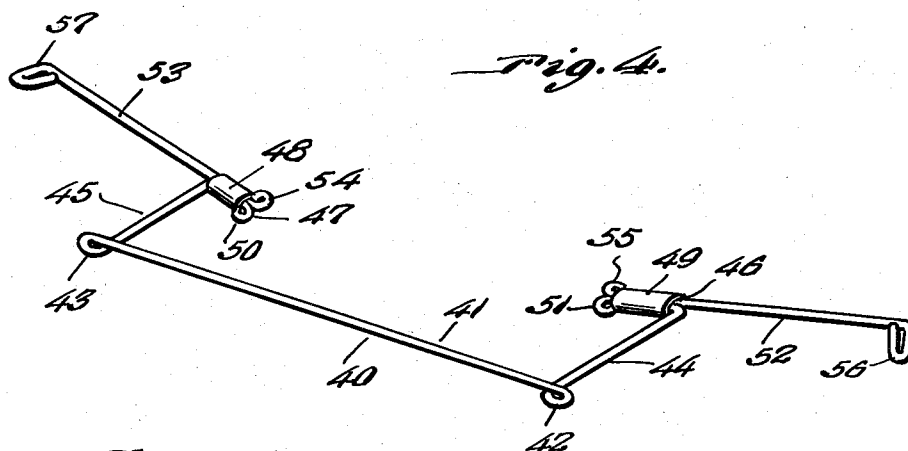
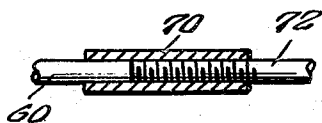


Fig. 7.



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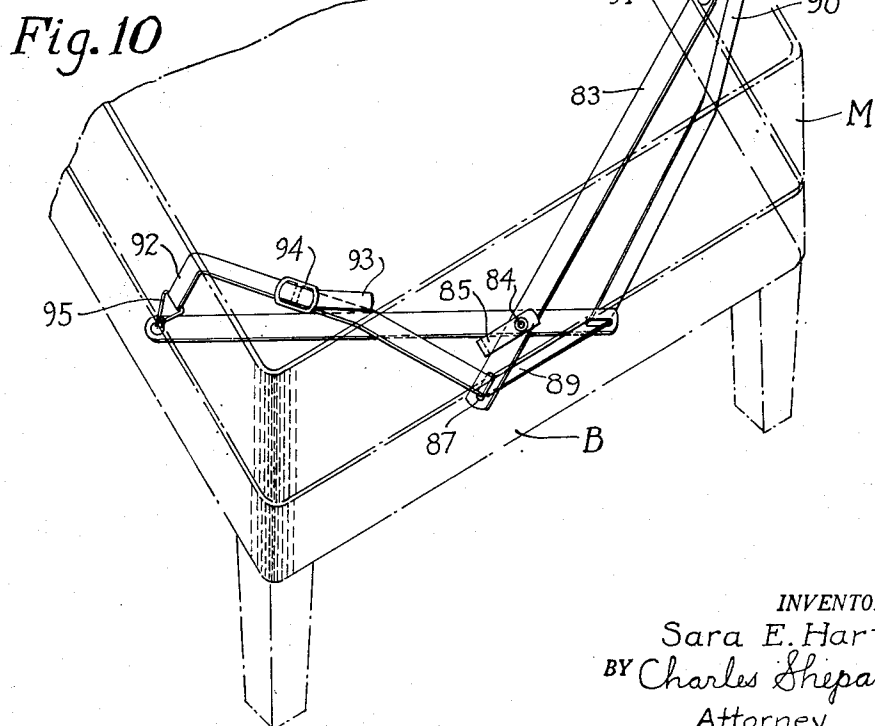
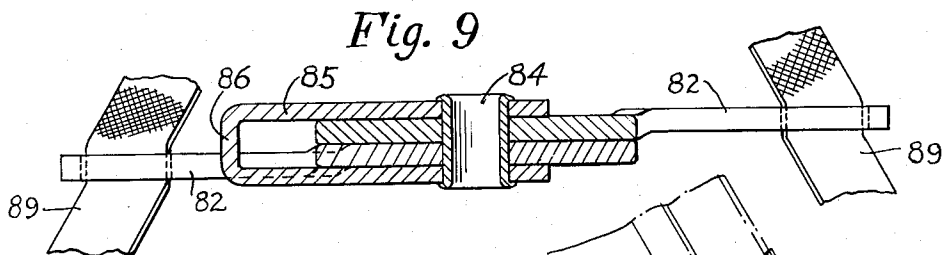
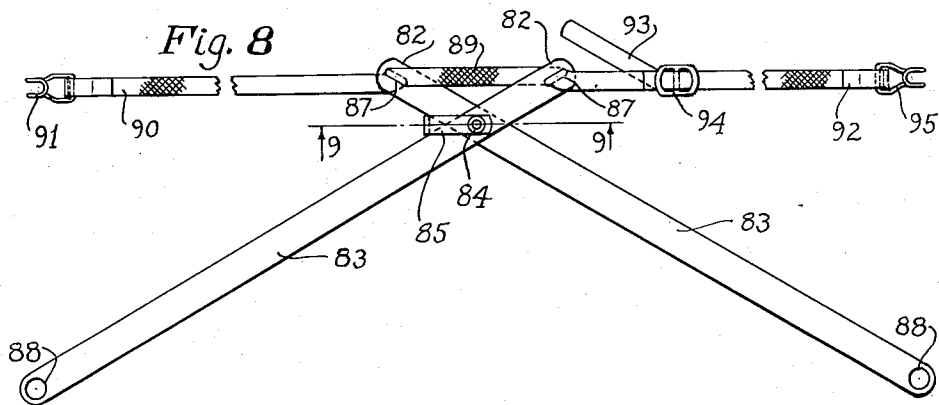
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HOLDER FOR BED CLOTHING

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3 Sheets-Sheet 3



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2,657,441

HOLDER FOR BED CLOTHING

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Application November 3, 1949, Serial No. 125,369

8 Claims. (Cl. 24—72.5)

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This application is a continuation in part of an earlier application having the same title filed by this applicant on October 16, 1944, Serial No. 558,875, and allowed May 26, 1949.

The invention relates to bed clothing securing devices and has for its object to hold the bed clothes against pulling up from the foot of the bed, or sliding off at either side thereof.

Another object of the invention is to provide a bed clothing holder in which there is no part or portion thereof attached to the bedstead, springs, mattress or bed clothes.

A further object of the invention is to provide a bed clothing holder minus clamps, teeth, springs, or other such members which might catch into and injure the mattress, bed clothing or springs, or mar the bedstead.

A still further object of the invention is to provide a bed clothing holder which, while securely holding the clothes in proper place, will in no way interfere with the free movement of the feet or limbs of the occupant of the bed.

Another object of the invention is to provide such a device which, after being once adjusted to the bed, will in no way interfere with free spreading of the bed clothes, changing of the same, or which will need removal or readjustment of the device.

Other features and advantages will become more apparent from the following description, and the accompanying illustrative drawings, in which:

Fig. 1 is a perspective view of one form of my device shown in operative position upon a mattress, the latter being shown in dotted lines;

Fig. 2 is a detail perspective view of a broken away portion of the invention showing a slight change in a wing stop;

Fig. 3 is an enlarged detail perspective view of a bed clothes holding member;

Fig. 4 is a perspective view of a modification of the invention;

Fig. 5 is a similar view thereof, partly broken away and shown in position collapsed inwardly by sliding;

Fig. 6 is a view, similar to Fig. 4, illustrating another modification;

Fig. 7 is a detail, enlarged, fragmentary section of a coupling element appearing in Fig. 6;

Fig. 8 is a plan view of a structure and arrangement constituting still another modification of the invention extended preparatory to application to a bed;

Fig. 9 is a much enlarged section therethrough taken on the line 9—9 of Fig. 8; and

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Fig. 10 is a perspective view of this last mentioned modification in operative position on a foot portion fragment of a bed and mattress, which latter are depicted in phantom lines.

Like reference characters indicate like parts throughout the following specification and in the several views in the drawings in which latter, first referring to Figs. 1, 2, and 3, 10 indicates in general the bed clothing holder, including an elongated frame plate 11 to the ends 12 and 13 of which are pivotally connected wings 14 and 15 which, when in use, are held in rigid spread apart inclined position by means of pins or screws 16 and 17. To the outer ends of the members 14 and 15 are attached rings 20 and 21 through which are looped adjustable straps 22 and 23 provided on their free ends 24 and 25 with hooks 26 and 27, engageable in rings 28 and 29 secured to the outer corners 30 and 31 of the member 11.

In Fig. 2 of the drawings I show a different method of limiting the spread of wing 32. In this form the end 33 of said wing is secured by a pivot 34 to the plate 35 in which is a struck out tongue 36 adapted to overlap the outer edge 37 of the wing 32 and form a stop therefor.

In the operation of this form of the invention the frame plate 11 is placed centrally under the foot end of the mattress 38, the outer edge 39 of said plate 11 being flush with the end wall of the mattress and the wings 14 and 15 being spread apart at approximately right angles to each other so that their extremities will just come to the side walls of the mattress and the pins 16 and 17 being placed to hold said wings fixed rigidly in position. When the straps 22 and 23 are unhooked and allowed to drop free to the sides of the bed, the bed clothes may be spread properly in position after the said straps are drawn up and over the corners of the bed and hooked in the rings 28 and 29 whereby the covering is held securely in position and after that the final spread may be placed on the bed and cover the straps 22 and 23. It is quite obvious that if it should be desired to include the top spread under the straps the latter may be of an ornamental design whereby the appearance of the finished bed will not be marred.

The paired apertures 11' and 11'' in plate 11 are provided for adjustment of the device to mattresses of various sizes.

In Figs. 4 and 5 of the drawings I show a modification of the invention in which the device is formed of rigid wire and comprises a U-shaped portion 40, as a substitute for the plate 11 of the above-described form of the invention. The

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cross bar 41 thereof is turned at the ends to form eyes 42 and 43, and arms 44 and 45, the terminals 46 and 47 of which are turned inwardly to receive collars 48 and 49. These are held secured on said ends by bending the terminals 50 and 51 thereof over the edges of the collars. The said collars are oval-shaped and of a width to receive arms 52 and 53 slidable therein. These latter arms are provided with turned stops 54 and 55 on the inner ends to limit the outer movement and with eyes 56 and 57 on the outer ends to which straps may be engaged.

In Figs. 6 and 7 I show another modification in which is provided a bar 58 having outwardly inclined terminals 59 and 60 on which are fixed internally screw-threaded collars 70 and 71 into which are removably screwed flaring arms 72 and 73, the outer ends of which terminate in loops 74 and 75, for engagement in hooks 76 and 77 of the elastic or other adjustable straps 78 and 79 held in rings 80 and 81 on the bar 58.

The latter two forms of my invention are particularly adapted for single beds, couches and so forth, and the operation in use is substantially the same as that of the form of Fig. 1 of the drawings. However, the cross bars thereof may be placed under a couch or other form of bed having a mattress secured thereto instead of between the bed springs and mattress of an ordinary bed. In this device of Fig. 4 of the drawings, it is collapsible by sliding the arms 52 and 53 inwardly, while the device of Fig. 6 is collapsible for packing, storing, shipping, etc. by unscrewing arms 72 and 73 from collars 70 and 71.

Proceeding now to the embodiment of the invention illustrated in Figs. 8 to 10, the fixed or anchoring portion consists simply of a frame composed of a pair of crossed bars or wings providing two short diverging arms 82 and two long diverging arms 83. These bars, which are preferably of strap iron, thinner than they are wide, are pivoted together by a hollow or tubular rivet 84. This rivet also secures a small swinging yoke 85, also of flat material, which yoke embraces the bars while its connecting portion 86 extends to one side. Such connecting portion serves as a stop to limit the spreading of the arms as in Fig. 1 when it is pinched between the short arm 82 of one bar and the long arm 83 of the other thus limiting the diverging angles of both sets of arms.

The terminal portions of the short arms 82 are provided with preferably elongated openings 87 while the terminals of the long arms 83 are also provided with openings 88. Passing through both openings 87 in continuity is a strap or heavy tape 89 preferably elastic. One end 90 is secured to a hook 91. The other end is looped at 92 and its extremity 93, or free end, is passed through a friction buckle 94 that slides on the body 89 of the strap in the well known manner to shorten or lengthen the loop and hence the overall dimension of the tape. The said loop passes loosely through the eye of another hook 95.

The action of the two pivoted bars is like that of a pair of scissors. When they are closed together one is superposed precisely upon the other and when the flexible strap is also laid along them the device is most compact and may be stored or transported, for instance, in a paper tube of small diameter. When extended for use as in Fig. 1 the long arms 83 are placed between the mattress M and the springs or frame of the bed B (Fig. 10) so that the slotted ends of the short arms 82 barely protrude. This causes the openings 88 at the tips of the long arms 83 to also

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barely protrude from the sides of the mattress near its foot, the bars, of course, in the first place, being of a length adaptable to a particular width of bed. Finally, the strap 89 is adjusted to a corresponding proper length, equalized or centered with respect to the two openings 87, and passed diagonally up and over the corners of the mattress and bed clothing as before and thence downwardly and the respective hooks 91 and 95 engaged with the openings 88.

The continuous strap 89 functions as two straps in use as it locks in the slots 87 as soon as it is stretched upwardly. Of course its two halves could be cut to length and fastened in these slots, thereby eliminating the buckle 94.

It is seen from the foregoing disclosure that the above mentioned objects of the invention are admirably fulfilled. It is to be understood that the foregoing disclosure is given by way of illustrative example only, rather than by way of limitation, and that without departing from the invention, the details may be varied within the scope of the appended claims.

What is claimed is:

1. In a device of the character described, a generally flat anchoring frame adapted to be slipped between the foot end of a bed mattress and its support and embodying two adjustably spread wings adapted to extend, when the frame is thus disposed divergently from the foot of the mattress at approximately right angles to each other across the under corners of the mattress with their outer extremities accessible from the sides of the mattress, their inner extremities being connected to each other to constitute the central body of the said frame, flexible straps adjustable as to length proceeding from the middle portion of the frame and mattress foot and having their loose ends both provided with attaching means engageable with the respective outer extremities of said wings, and means for limiting swinging movement of said wings relative to each other.

2. A device of the character described, constructed and functioning as in claim 1 in which the wings are pivotally mounted.

3. A device of the character described, constructed and functioning as in claim 2 in which the wings cross and are pivoted directly to each other so that they may be folded into parallelism.

4. A device of the character described, constructed and functioning as in claim 2 in which the outer extremities of the wings are provided with openings and the ends of the straps are provided with hooks engaging said openings.

5. A device of the character described, constructed and functioning as in claim 2 in which the wings are evolved from two bars pivoted together near their inner ends, the latter constituting the middle portion of the frame from which the straps proceed.

6. A device of the character described, constructed and functioning as in claim 2 in which the wings are evolved from two bars pivoted together near their inner ends, the latter constituting the middle portion of the frame from which the straps proceed and being provided with openings through which the straps pass.

7. A device of the character described, constructed and functioning as in claim 2 in which the wings are evolved from two bars pivoted together near their inner ends, the latter constituting the middle portion of the frame from which the straps proceed and the bars are foldable on the pivot in one direction into parallelism.

8. In a device of the character described, a

generally flat anchoring frame adapted to be slipped between the foot end of a bed mattress and its support and embodying two adjustably spread wings adapted to extend, when the frame is thus disposed, divergently from the foot of the mattress at approximately right angles to each other across the under corners of the mattress with their outer extremities accessible from the sides of the mattress, said wings being formed from two bars pivoted to each other near their inner end, the bars being foldable on their pivot in one direction into parallelism, a stop on the same pivot adapted to be pinched between said inner ends when the bars are swung apart, to define the angle to which said wings may be swung relative to each other, said inner ends constituting the middle portion of the frame, and flexible straps adjustable as to length extending from the middle portion of the frame and mattress foot and having their loose ends both provided with attaching means engageable with the respective outer extremities of the said wings.

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