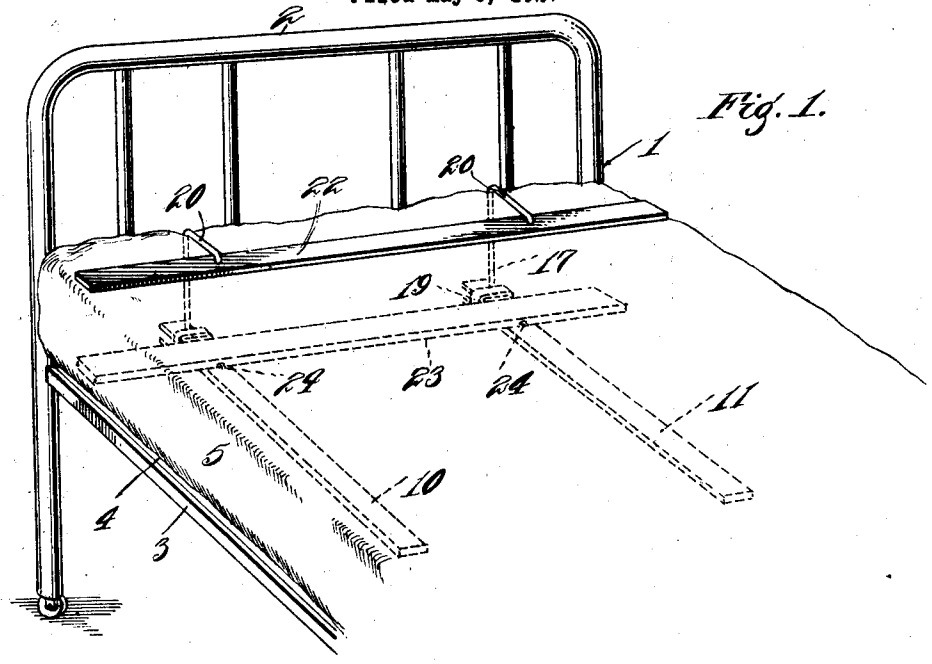
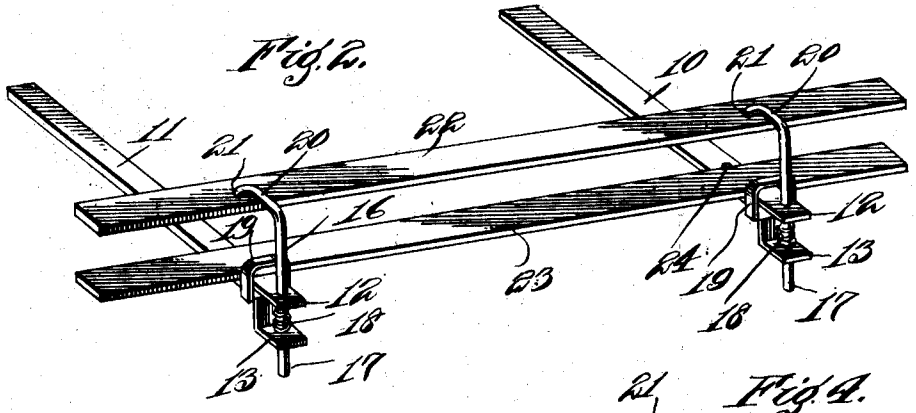
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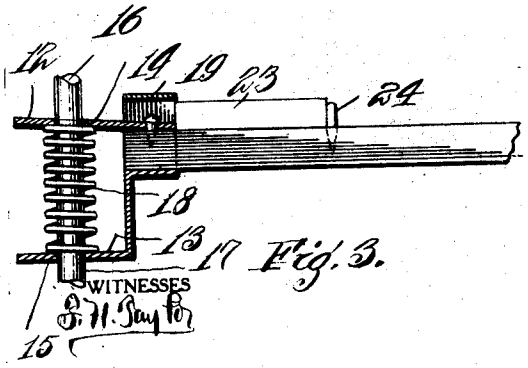
C. N. DILATUSH

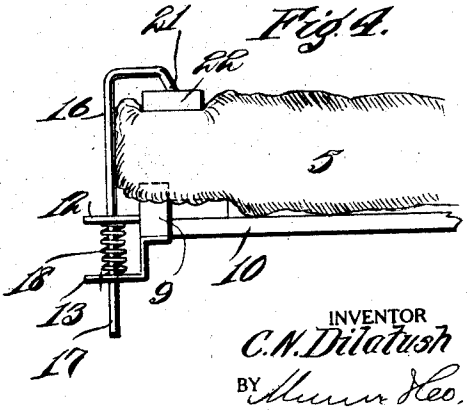
BEDCLOTHES HOLDER

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UNITED STATES PATENT OFFICE.

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BEDCLOTHES HOLDER.

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This invention relates to bed clothes holders or clamps for securing the bed clothes in place or the mattress to the bedstead, or both.

A primary object of the invention is to provide a simple and efficiently device of this character which while especially designed for use on children's or invalids' beds to firmly hold the bed clothes without danger of their being torn by pitching and tossing of the occupant of the bed, may be used on any other bed to simplify the making of the bed since it holds the clothes intact at the foot of the bed.

Another object of the invention is to provide a device of this character the clamping means of which will securely hold the article clamped in operative position and yet which may be readily released when desired.

In carrying out these objects, the invention is susceptible of a wide range of modification without departing from the spirit or sacrificing any of the advantages of the claimed invention; there being shown in the drawings for illustrative purposes a preferred and practical form, in which:

Figure 1 represents a perspective view of a portion of a bedstead with this improved clamp shown applied,

Fig. 2 is a similar view of the attachment detached,

Fig. 3 is a detail longitudinal section section of the clamp detached, the portions being broken off for convenience in illustration, and

Fig. 4 is a detail side elevation of the foot portion of a bed with this attachment shown in operative position, the bedstead being omitted.

In the embodiment illustrated, a portion of a bedstead 1 is shown which may be of any ordinary construction, a footboard being shown at 2 and side bars at 3 with a spring 4 supported thereon, and on which is mounted a mattress 5.

The holder constituting this invention is designed to be mounted at the foot of the bedstead as shown in Fig. 1 and comprises two bars 10 and 11 which are designed to be placed longitudinally of the bedstead between the mattress 5 and the spring 4, as is shown clearly in dotted lines in Fig. 1. Mounted on the outer ends of these bars 10 and 11 are two longitudinally extending vertically spaced plates 12 and 13 which may be made of brass or other suitable metal and are secured by screws or otherwise to the top and bottom respectively of the bars 10 and 11 as shown clearly in Fig. 3. The plate 13 of each clamp, one of which is carried by each bar 10 and 11, is offset downwardly from the bar to which it its connected, as shown in Fig. 3 and the two plates are apertured as shown at 14 and 15, respectively, to receive an adjustable clamping member 16 made in the form of an inverted J-shaped rod, the long arm 17 of which is slidable through the apertures 14 and 15 of the plate. This rod arm 17 slides loosely in the plate apertures and has a coiled spring 18 mounted thereon between the opposed faces of the plates 12 and 13. This spring 18 exerts its tension to force the plates away from each other for a purpose presently to be described. The top plate 12 is pivoted to move vertically, the securing pivots being arranged at the inner end thereof so that the plate operates as a lever and the edges of the aperture 14 thereof bindingly engage the rod arm 17 when the plate is forced upwardly by the spring 18 and thereby securely holds the rod in adjusted position. It is of course understood that when the plate 12 is depressed the spring will become compressed and the rod 17 permitted to slide freely in the registering apertures of the two plates.

A keeper 19 made in the form of an inverted U-shaped metal strap straddles the end of each bar 10 and 11 and has the leg members secured in any suitable manner to the side edges of the bar in connection with which it is used. The cross bar of the keeper 19 is spaced above the top plate 12 and operates as a stop for limiting the upward movement of the plate as well as a protector for the plate.

The short arm 20 of the rod 16 is provided at its free end with an in-turned finger 21 which when the rod is swung into operative position as shown in Figs. 1 and 2 is designed to engage a cross bar or strip 22 which is placed outside the bed covers transversely of the bed. When the rod 16 is moved down to cause the finger 21 to securely engage the bar 22 said bar will be forced into clamping engagement with the covering or the mattress and the plate 12 will be swung upwardly and cause it to bindingly engage the rod arm 17 and securely hold the rod against upward movement. To release the clamping fingers of the device all that is necessary is to depress the plate 12 against the tension of

spring 18 which will release the clamping or biting engagement of the wall of the aperture 14 from the rod arm 17 and permit the rod to be freely moved in the registering apertures of the plate to unclamp the device from the bed.

A bar 23 similar to that 22 is located transversely of the bed beneath the mattress and rests on the longitudinally extending bars 10 and 11 being held against movement on said bars by stops 24 in the form of staples driven into the bars 10 and 11 at a point spaced from the keepers 19 a distance equal to the width of the bars 10 or 11 in connection with which it is to be used.

The two clamping members at opposite corners of the bed will thus securely hold the covering in place and it will be seen that the slides 16 thereof may be quickly engaged with or released from the bedding and when not in use they may be dropped down to their extreme lower position with their short arm 20 paralleling the side bar of the bedstead.

Without further description it is thought that the features and advantages of the invention will be readily apparent to those skilled in the art, and it will of course be understood that changes in the form, proportion and minor details of construction may be resorted to, without departing from the spirit of the invention or the scope as claimed.

I claim:—

1. A device of the class described comprising vertically spaced guide members adapted to be mounted on a support, registering apertures in said members, a slide mounted to reciprocate in said apertures, and having article engaging means, a coiled spring mounted on said slide between said guide members, one of said guide members being pivoted to rock to cause one wall of the aperture therein to bitingly engage the slide and hold it in adjusted position.

2. A device of the class described comprising vertically spaced guide plates having registering apertures therein, and adapted to be secured to a support, one of said plates being movably mounted on the support and the other fixed, a slide mounted in the apertures of said guide plates and having article engaging means, and a spring mounted to normally force said movable guide plate away from the other and cause it to bindingly engage said slide whereby the slide is held in adjusted position.

3. A device of the class described comprising spaced guide plates adapted to be mounted on a support, said plates having registering apertures therein, one of said plates being pivotally mounted to move toward and away from the other, a clamping member slidably mounted in the apertures of said plates and having article engaging means, a coiled spring mounted on said clamping member between said plates and normally operating to force the movable plate away from the other, whereby said movable plate bindingly engages said clamping member and holds it in adjusted position and means for limiting the movement of the movable plate.

4. A bed clothes holder comprising a plurality of strips adapted to be arranged longitudinally of the bed under the mattress thereof, clamping elements carried by one end of said strip, and cross bars adapted one to overlie said strips adjacent the clamping members thereof, and the other to overlie the mattress and to underlie and cooperate with the clamping members.

5. A bed clothes holder comprising a plurality of strips adapted to be arranged longitudinally of the bed under the mattress thereof, clamping elements carried by one end of said strip, and cross bars adapted one to overlie said strips adjacent the clamping members thereof, and the other to overlie the mattress and to underlie and cooperate with the clamping members, and means to lock said clamping members in adjusted position.

6. A bed clothes holder comprising a plurality of strips adapted to be arranged longitudinally of the bed under the mattress thereof, clamping elements carried by one end of said strip, and cross bars adapted one to overlie said strips adjacent the clamping members thereof, and the other to overlie the mattress and to underlie and cooperate with the clamping members, and spring pressed locking means for holding said clamping members in adjusted position.

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