Aug. 19, 1952 F. H. PRUYNE 2,607,401

ATTACHMENT FOR HOSPITAL BEDS

Filed May 1, 1950 2 SHEETS—SHEET 1

FIG. 1.

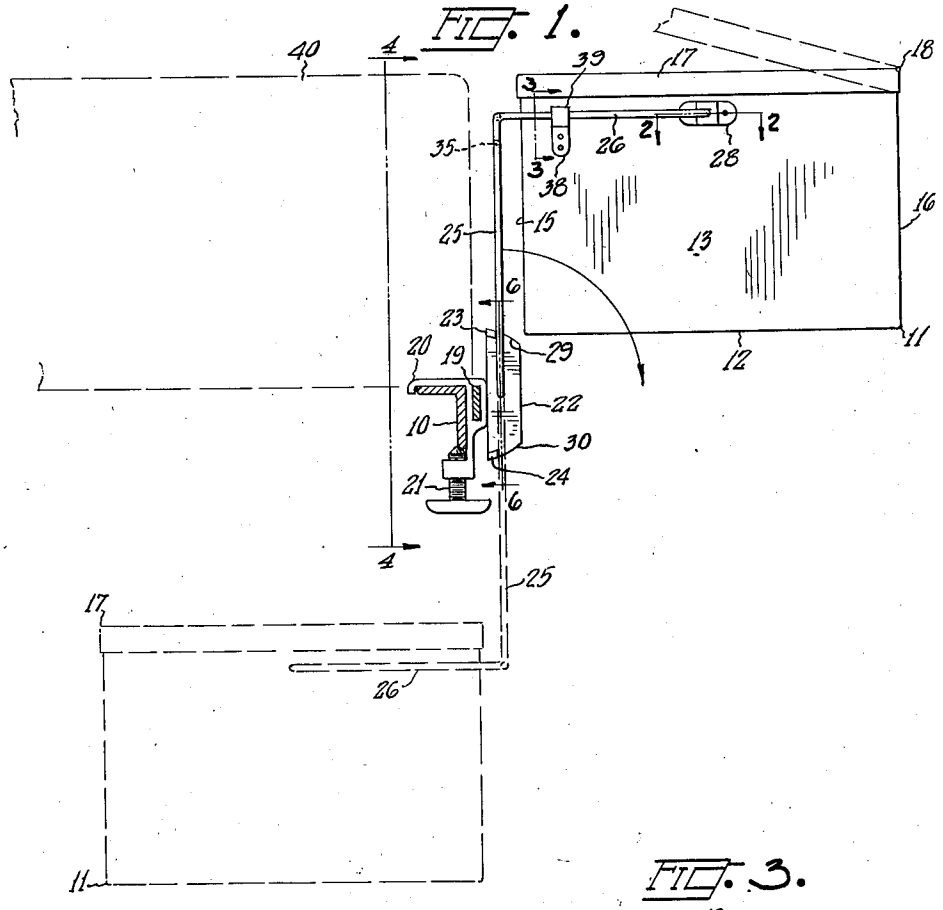


FIG. 2.

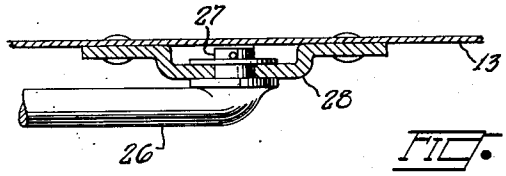


FIG. 3.

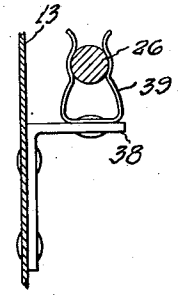
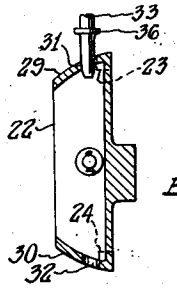


FIG. 8.



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FIG. 4.

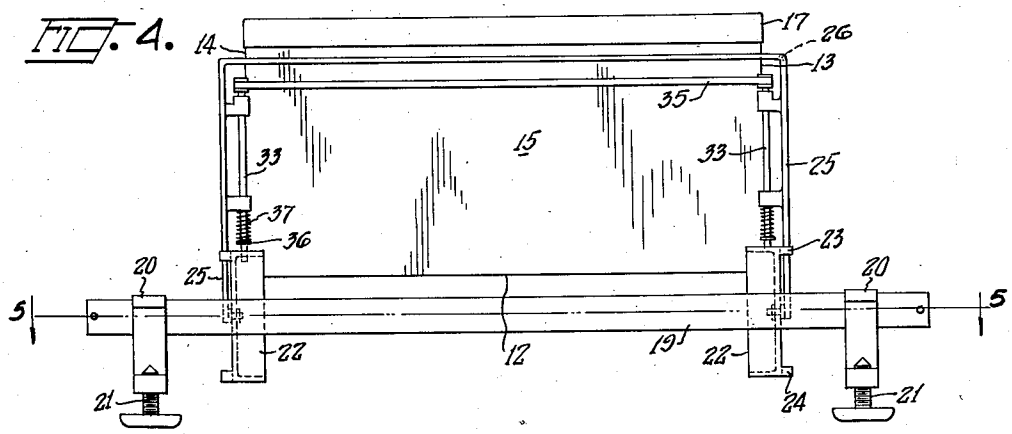


FIG. 5.

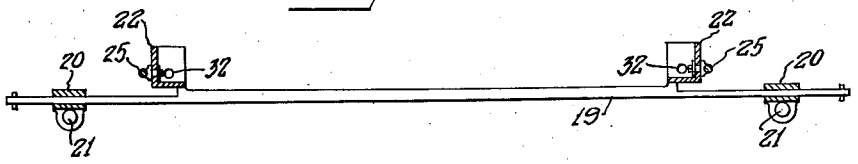


FIG. 7.

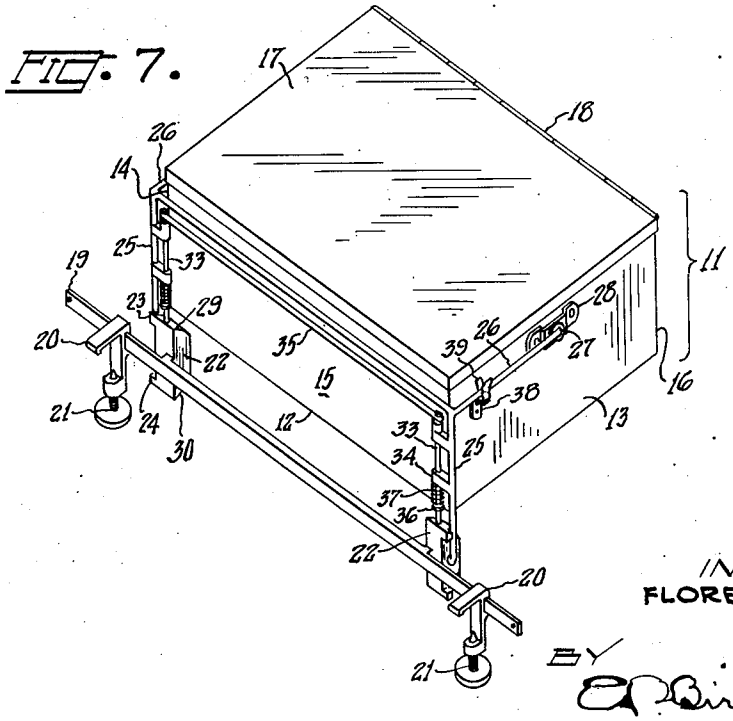
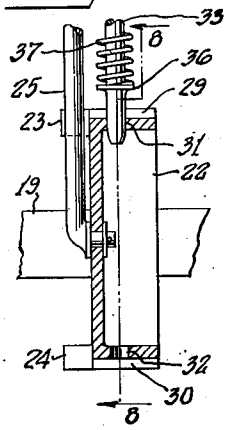


FIG. 6.



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ATTACHMENT FOR HOSPITAL BEDS

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Application May 1, 1950, Serial No. 159,184

3 Claims. (Cl. 155—317)

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This invention relates generally to hospital equipment and particularly to an attachment for a hospital bed wherein articles may be held.

The main object of this invention is to produce a device wherein articles may be held at the bedside ready for use or moved out of the way under the bed when not needed.

The second object is to so construct the device that it will be latched into a storage position or in an operating or using position.

I accomplish these and other objects in the manner set forth in the following specification as illustrated in the accompanying drawings, in which

Fig. 1 is a vertical section through a hospital bed showing the device clamped to a side rail and indicating the stored position in dotted lines.

Fig. 2 is a horizontal section taken along the line 2—2 in Fig. 1.

Fig. 3 is a vertical section taken along the line 3—3 in Fig. 1.

Fig. 4 is an elevation taken along the line 4—4 in Fig. 1.

Fig. 5 is a horizontal section taken along the line 5—5 in Fig. 4.

Fig. 6 is a section taken along the line 6—6 in Fig. 1.

Fig. 7 is a perspective view of the device.

Fig. 8 is a section taken along the line 8—8 in Fig. 6.

Like numbers of reference refer to the same or similar parts throughout the several views.

Referring in detail to the drawings, there is shown the side rail 10 of a hospital bed to which the device is attached.

Referring particularly to the device, there is shown a box 11 having the bottom 12, ends 13 and 14, the front 15 and back 16 to which is attached a cover 17 by means of the hinges 18.

Mounted alongside of the side rail 10 is a horizontal bar 19 on which is slidably mounted a pair of clamps 20 which may be secured on the side rail 10 by the screws 21.

On the bar 19 are secured the spaced blocks 22 having lateral stops 23 and 24 formed thereon. Hinged to each block 22 is an L-shaped arm composed of the portion 25 which is hinged to the block 22 and the portion 26 which is pivotally joined to the box 11 by means of the pivots 27 mounted in the clips 28.

Each block 22 is provided with rounded upper and lower ends 29 and 30 which serve as cams. The blocks 22 have holes 31 and 32 formed in their upper and lower ends to receive the slide rods 33 which are mounted in the guides 34 formed on portion 25 of the L-shaped arms. The upper ends of the rods 33 are joined by an actuating rod 35 which, if raised when the box is as shown in Fig. 7, will withdraw the rods 33 from the holes 31, thereby permitting the entire

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box 11 to move to the position shown in dotted lines in Fig. 1.

On the rods 33 are formed the flanges 36, against which bears a spring 37 which reacts against the lower guide 34.

As the box 11 descends, the rods 33 ride around the outer sides of the blocks 22 and absorb the shock at the completion of the movement.

Angle brackets 38 secured on the box ends 13 and 14 have secured thereon the spring clips 39 which engage the arm portions 26 and prevent the box 11 from swinging when in the position shown in Fig. 7.

It can be seen from the foregoing that there is provided a disappearing container which can be moved back and forth between a storage position under the bed to a using or working position at approximately the level of the mattress 40 and the change can be made by a simple movement of the rod 35.

I claim:

1. An attachement for beds comprising a pair of blocks having means for securing them to a bed rail, a pair of angular arms hinged to said blocks in parallel planes, a box pivotally supported between the outer ends of said arms, latches for holding said arms against swinging with relation to said blocks and a rod connecting said latches for jointly releasing same.

2. An attachment for beds comprising a bar, a pair of blocks mounted on said bar, clamps for securing the bar and blocks to a bed rail, a U-shaped member having its open ends hinged to said blocks in parallel, vertical planes, a pair of parallel arms projecting from the ends of the closed side of said U-shaped member, spring urged latches in said blocks for holding said arms in raised or lowered positions, a box hinged between the outer ends of said arms and latches on said box engaging said arms when said box is in an uppermost position.

3. An attachment for beds comprising a box having a hinged cover, a pair of right angled arms hinged to opposite ends of the box near the middle of its upper edge, blocks mountable on a bed rail forming hinge supports for said arms, latches in said blocks for holding said arms in uppermost or lowermost positions and a latch release bar for releasing said first-mentioned latches in unison.

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REFERENCES CITED

The following references are of record in the file of this patent:

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Number	Name	Date
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