

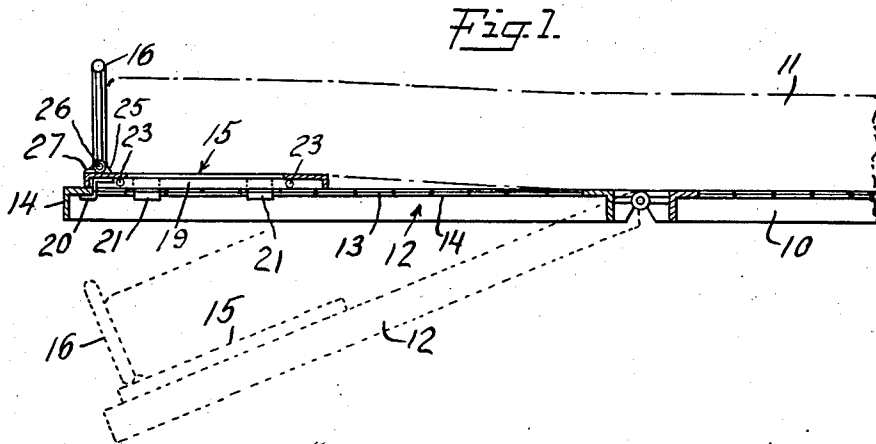
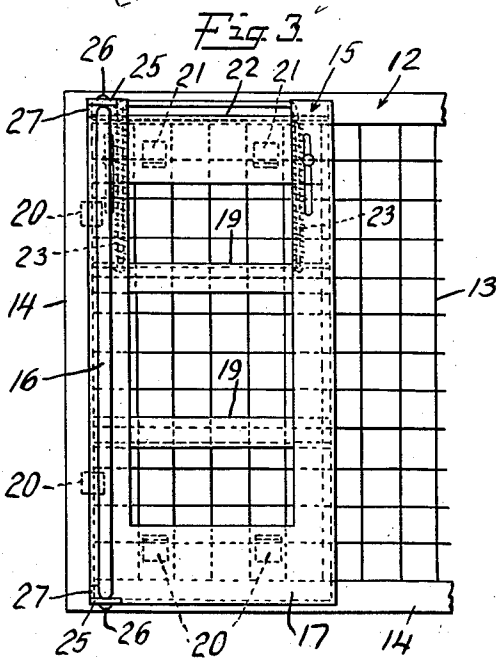
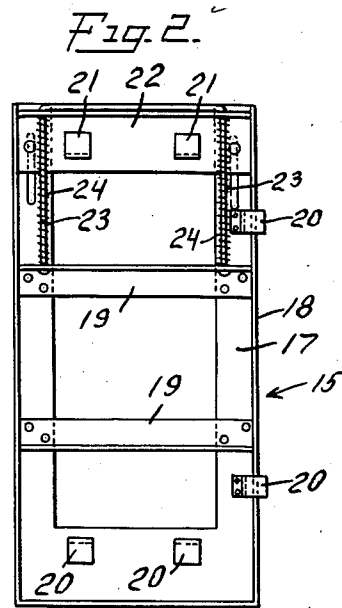
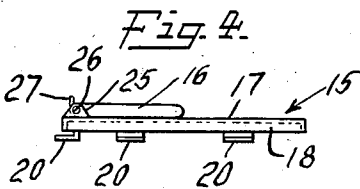
Jan. 12, 1937.

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2,067,515

DETACHABLE MATTRESS SUPPORT

Filed July 16, 1936



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2,067,515

DETACHABLE MATTRESS SUPPORT

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Application July 16, 1936, Serial No. 90,841

2 Claims. (Cl. 5—322)

The present invention relates to a detachable device or attachment for use with invalid beds or the like in which one or both ends of a mattress must be supported in an inclined position.

5 It relates more particularly to a removable device or attachment which may be readily attached to, and removed from, the mattress-support, and which serves effectively to prevent the mattress from slipping along the inclined
10 surface of the mattress-support, while at the same time permitting the ends of the mattress to be lifted or moved much as they can be lifted or moved on an ordinary bed to simplify the making of the bed.

15 In accordance with the present invention, there is provided an attachment or device consisting of a flat frame provided with cleats or brackets adapted to hold the spring securely to the bars or channels provided around the bed-spring or mattress-support. The cleats or
20 brackets adapted to engage with the bottom or top of the mattress-support, and with one of the sides, are fixed in place, while the cleats or brackets adapted to engage with the other side of the mattress-support, are yieldably supported,
25 so that they may be drawn back toward the center of the device or attachment to permit the attachment to be slipped into place. On the upper side of the frame is provided an upright panel, similar to the ordinary footboard of a bed,
30 which is advantageous rotatably mounted so that it may be folded flat when the attachment is not in use, and may be rotated so that it is perpendicular to the frame when the attachment is used; a stop being provided to prevent the up-
35 right support from rotating beyond the vertical position.

40 The invention will be further described and illustrated in connection with the accompanying drawing, which illustrates one embodiment of the invention, but it will be understood that it is not limited thereto.

In the drawing:

45 Fig. 1 illustrates a portion of an invalid bed with a mattress thereon and with the attachment in place;

Fig. 2 is a plan view of the device, showing the bottom of it;

50 Fig. 3 is a plan view of the device or attachment, showing it attached to a mattress-support; and

Fig. 4 is a side view showing the device folded.

55 In Fig. 1, there is shown a mattress-support 10 supporting a mattress 11, and provided with a hinged or pivoted section 12 adapted to be

adjusted so that a portion of the mattress may be inclined downwardly. The mattress-support consists of a spring 13 suitably supported by the channel bars 14.

Attached to the mattress-support is the at-
5 tachment 15 provided with an upright member 16 which serves to support the mattress, and to keep it from slipping, when the adjustable portion 12 of the mattress-support is lowered so that the end of the mattress is inclined. This
10 vertical or upright member, which is similar to the foot-board of an ordinary bed, effectively prevents the mattress from sliding downwardly when the end of it is inclined, and yet enables the end of the mattress to be lifted or moved
15 much as a mattress on an ordinary bed can be moved.

The construction of the attachment is shown in greater detail in Figs. 2 through 4. In these
20 figures, there is shown a rectangular frame 17, made from one or more suitable pieces of sheet metal, and with flanged edges 18. Braces 19, to impart rigidity and stiffness to the frame, may be provided.

25 Cleats or brackets 20, which are rigidly attached to the frame, are provided on two adjacent sides of the frame, the cleats on one side being adapted to engage the members which support the mattress-support on one side, and
30 the other cleats 20 being adapted to engage the member which extends along the bottom or top of the mattress-support. There are also provided the cleats or brackets 21 adapted to engage the member which supports the other side of the mattress-support. These cleats or brack-
35 ets 21 are supported on the movable member 22, which is adapted to slide on the members 23 and which is yieldably forced outwardly by the springs 24, which are carried by the members 23.

40 The frame so constructed is readily attached to the bottom or top of the mattress-support, it being merely necessary to force the slidable member 22 toward the center of the frame, and to slide the frame into place on top of the mat-
45 tress-support, with the cleats or brackets 20 engaging the members which support the mattress-support on one side and at the bottom or top of the bed. The member 22 may then be released, so that the springs 24 force it outward-
50 ly so that the cleats 21 engage with the member which supports the other side of the mattress-support.

On the upper side of the frame, there is pro-
55 vided a pair of brackets 25, through which are

passed pins 26. A member 16, which serves as the vertical or upright support for the end of the mattress, is pivotally mounted on the pins 26, so that it may lie flat, as shown in Fig. 4, or may be upright, as shown in Figs. 1 and 3. Suitable stops 27 are provided so that this member 16 cannot swing past the vertical or upright position, and so that its movement is limited to the positions in which it is shown in Fig. 4 and in Fig. 1.

It will thus be seen that by the present invention, I provide a device or attachment which may readily be applied to hospital beds, invalid beds, and the like, and which serves effectively to support a mattress and keep it from shifting in position when a portion of the bed is placed in an inclined position, and yet which is readily removable and may be folded to be stored away, and which permits the mattress to be moved and adjusted much as the mattress on an ordinary bed may be.

I claim:

1. A removable attachment for invalid beds and the like, adapted to prevent the mattress from slipping when in an inclined position, comprising a rectangular frame, including one side member movable laterally, means on the other side member and one end member, for engaging one side and the top or bottom of the mattress-support, means on the movable side member for engaging the other side of the mattress-support, and a member mounted on the upper face of the frame adapted to support the mattress and prevent it from slipping.

2. An attachment as in claim 1, in which the means for holding the frame in place are cleats or brackets, mounted on the under face of the frame, and in which the laterally movable member is yieldably held in position by at least one spring.

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