

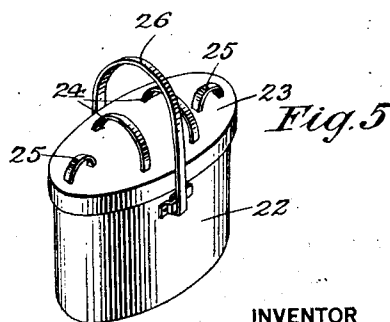
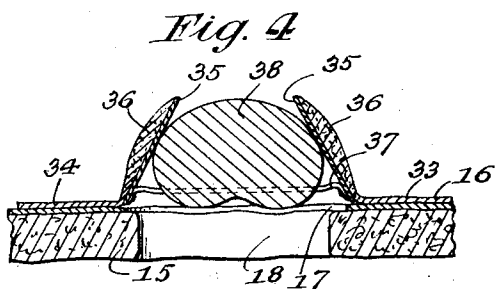
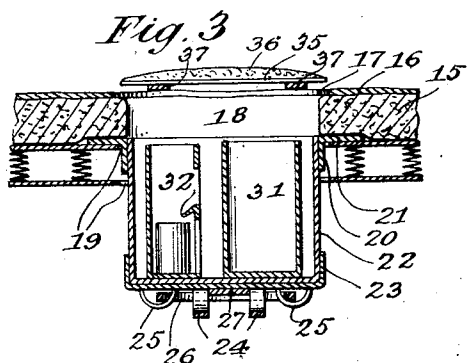
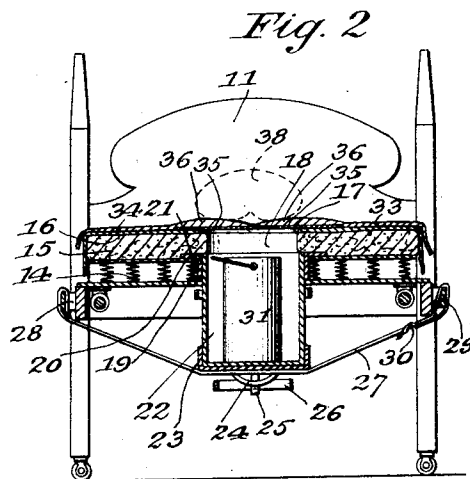
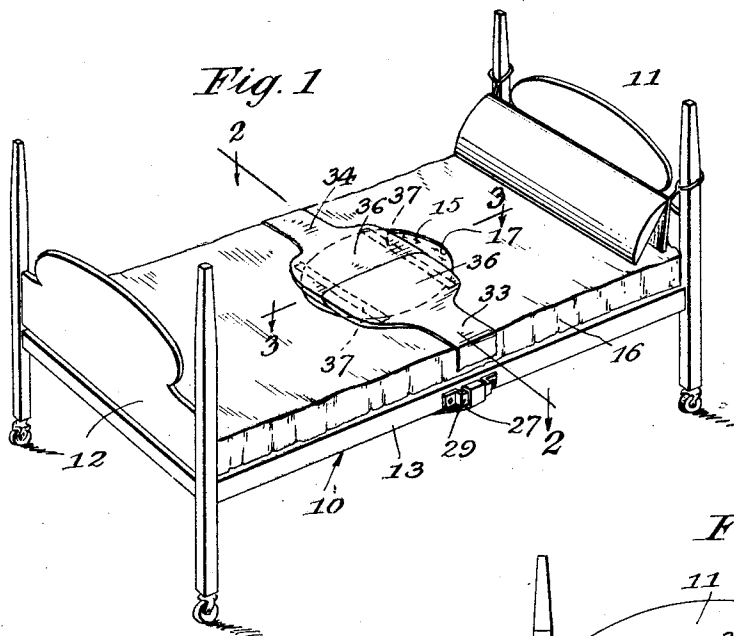
June 22, 1926.

1,589,377

W. DRY

HOSPITAL BED

Filed August 21, 1925



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UNITED STATES PATENT OFFICE.

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HOSPITAL BED.

Application filed August 21, 1925. Serial No. 51,540.

This invention relates to new and useful improvements in invalid or hospital beds, and has for an object the provision of means whereby the invalid may in a large measure administer to his own needs without the necessity of leaving his bed.

Other objects are to provide a bed, of the character stated including an improved construction combination and arrangement of parts and which is comfortable to the patient and easily maintained in a clean and sanitary condition.

Additional objects and advantages will become apparent from a consideration of the following specification in connection with the accompanying drawing wherein a satisfactory embodiment of the invention is shown.

Referring to said drawing:—

Fig. 1 is a perspective view of the improved bed;

Fig. 2 is a transverse sectional view along the line 2—2 of Fig. 1;

Fig. 3 is a sectional view on the line 3—3 of Fig. 1;

Fig. 4 is a fragmentary sectional view showing the opening in the mattress and the pads which normally cover the same raised to expose it; and

Fig. 5 is a perspective view of the receptacle, which is used in connection with the bed closed for transportation.

Referring in detail to the drawing, the bed 10 includes head, foot and side sections 11, 12 and 13 respectively. The side sections support a spring 14 on which is superposed a mattress 15 covered by a sheet 16. As clearly shown the sheet, mattress and spring are provided with registering openings 17, 18 and 19 respectively.

Disposed in the opening 19 in the spring and extending beneath the bed bottom is a sleeve or guide 20 having a laterally extending supporting flange 21 at its upper edge. This flange (Figs. 2 and 3) is disposed between the spring and mattress and holds the sleeve in place. A receptacle 22 is designed to have its upper open end slidably fitted within the sleeve 20 and to be supported in such position by a means to be presently described.

A cover 23 is provided for receptacle 22 and carries pairs of loops 24 and 25 (Fig.

5). A bail 26 is detachably secured to the receptacle for carrying the latter.

When the receptacle is in position (Figs. 2 and 3) the cover 23 is fitted on its bottom and the entire structure is supported by means of a strap 27 which has one end secured to a bracket 28 and has its other end looped through a companion bracket 29 and secured by a buckle 30. In this position bail 26 has been removed and is being supported by loops 25 while the strap 27 is passing between loops 24 which act as guides for it.

Within receptacle 22 there are placed suitable containers of earthenware or other material. As shown two containers are provided these being numbered 31 and 32 and are for solids and liquids respectively.

Upon loosening strap 27 the receptacle will descend, being guided by sleeve 20. The cover is next placed in position and the bail 26 attached when the structure is in condition to be removed for emptying. If desired a small quantity of disinfectant may be kept in receptacle 22 around the containers 31 and 32.

A cover means is provided for the opening through the bed. This means includes straps 33 and 34 having their remote ends disposed over the edge of the bed and being provided at the under sides of their adjacent ends with rigid reinforcing plates 35 of aluminum or other suitable material. The upper sides of these plates are upholstered or cushioned as at 36. Spaced elastic strips 37 connect and are secured to plates 35 at their remote edges.

In the use of the device, the patient positions his body over the cushions 36 and then elevates his body. Next he reaches beneath himself and grasping the plates 35 swings or pulls them apart and lowers his body between them. Upon releasing the plates the position of the parts is that shown in Fig. 4 wherein a body is indicated at 38. Upon the patient elevating his body from the position shown in Fig. 4 the elastic strips will return the plates 35 with cushions 36 to their normal position as shown in Fig. 2. When the parts are in this position a covering of sheeting or like material may be positioned over the straps 33 and 34 and the cushions 36.

While I have shown and described a satis-

factory embodiment of the invention it is to be understood that the disclosure is by way of illustration only and that reference must be had to the annexed claims for a definition of the limitations of the invention.

Having thus described my invention what I claim is:—

1. In combination with a receptacle, a cover for the same adapted to be positioned on the bottom thereof while the receptacle is in operative position, said cover having guides thereon for guiding a supporting means for the receptacle.

2. A covering for a hospital or invalid bed which has an opening therethrough, the same including straps at each side of the opening, rigid portions secured to said straps and each extending partially across said opening and adapted to be swung upwardly to expose said opening, and means for normally holding said portions in position to cover said opening and for returning them to opening covering position when they are moved therefrom.

3. A covering for the opening in a hospital or invalid bed, the same including a pair of rigid members each extending partially across said opening from opposite sides thereof to cover the same, said portions adapted to have their adjacent edges swung upwardly and outwardly to expose said opening, and elastic strips connecting said

portions and secured to remote portions of each of them to return them to positions over their respective portions of the opening when they are released.

4. A covering for the opening in a hospital or invalid bed, the same including a pair of strap members having their remote ends disposed over the sides of the bed, a rigid portion secured to each of said strap members and each partially covering the opening, said portions adapted to have their adjacent edges swung upwardly and outwardly to expose said openings, and spaced elastic strips connecting said portions and secured to remote portions of each of them to return them to position over their respective portions of the opening when they are released.

5. A covering for the opening in a hospital or invalid bed, the same including a pair of rigid members each extending partially across said opening from opposite sides thereof to cover the same, said members adapted to be swung upwardly to expose said opening, and means for normally holding said portions in position to cover said opening and for returning them to opening covering position when they are moved therefrom.

Signed at Bridgeport in the county of Fairfield and State of Connecticut this 20th day of August A. D. 1925.

WERONICA DRY.