

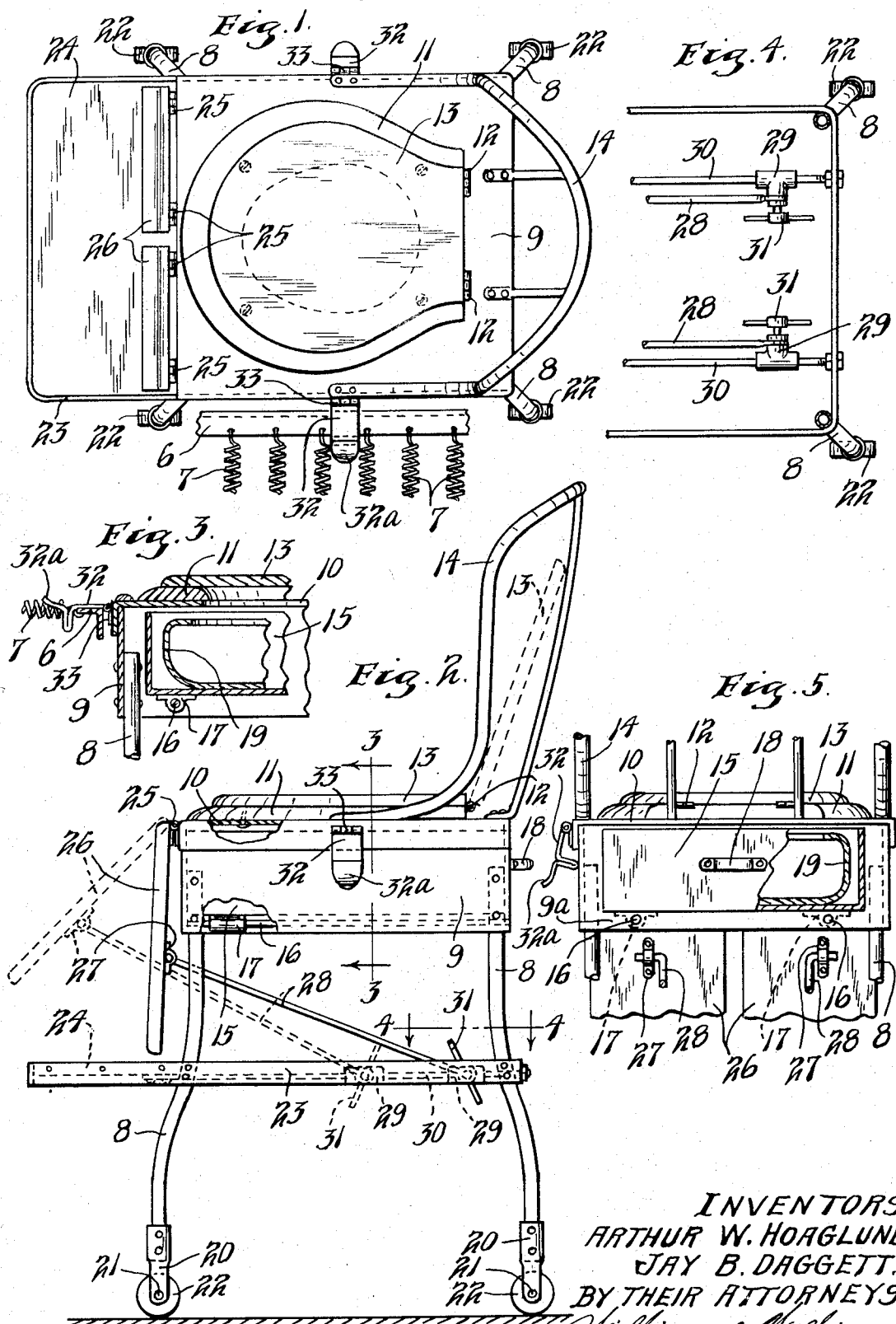
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BEDSIDE TOILET CHAIR

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BEDSIDE TOILET CHAIR

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1 Claim. (Cl. 155—31)

This invention relates to bed side toilet chairs, particularly adapted for use in hospitals and in sick rooms.

Invalids are often too sick to get out of bed to go to the toilet. Much difficulty and discomfort is caused in attempts by invalids to utilize bed pans in beds.

It is the general object of this invention to provide a novel and improved bed side toilet chair, which can be moved from one place to another and which can be anchored alongside the bed of an invalid to be comfortably used without difficulty.

The objects and advantages of the present invention will more fully appear from the following description, made in connection with the accompanying drawing, wherein like reference characters refer to the same or similar parts throughout the various views, and, in which,

Fig. 1 is a plan view illustrating a bed side toilet chair embodying the invention anchored alongside a hospital bed and ready for use;

Fig. 2 is a view in side elevation of the chair shown in Fig. 1, certain of the parts being broken away to more clearly illustrate the construction thereof, and certain movable parts being shown in full lines in certain positions and in dotted lines in other positions;

Fig. 3 is a vertical section taken on the line 3—3 of Fig. 2, as indicated by the arrows, and showing part of an adjoining bed to which the chair is anchored;

Fig. 4 is a horizontal section taken on the line 4—4 of Fig. 2, as indicated by the arrows; and

Fig. 5 is a view in rear elevation showing part of the chair, some of the parts being broken away to more clearly illustrate the construction thereof.

Referring to the drawing, there are illustrated a side rail 6 of an ordinary hospital bed and spaced coil springs 7 connected to this rail in the usual manner and forming part of the resilient support for the mattress of the bed. The side rail 6 is of the usual angle bar formation.

The chair of the invention includes four legs 8, connected at their upper ends to rectangular frame 9 to which a horizontal supporting member 10 is attached. The supporting member 10 may be provided with front and side flanges, as illustrated, and it is provided further with a large central opening. Secured to the supporting member 10 is a toilet seat 11 of usual construction and the inner edges of this seat preferably slightly overlie the edges of the opening in the supporting member 10. Secured by hinges 12

at the rear edge of the toilet seat 11 is a toilet seat cover 13. Attached to the side edges of the supporting member 10 and to the rear edge thereof is an ordinary chair back 14 which forms a support for the cover 13 when it is swung upwardly to the dotted line position shown in Fig. 2.

The back side 9a of frame 9 is cut out to receive the rear panel of a drawer 15 which is slidably mounted below the toilet seat 11 on rods 16, extending from the front side of the frame 9 to the rear side 9a thereof. The drawer 15 carries sleeve-like brackets 17 projecting below its bottom panel and through which the rods 16 extend and these brackets act in conjunction with the back side 9a to prevent complete removal of the drawer when slid rearwardly. The drawer is preferably provided with a handle 18 and it is of such size as to readily accommodate an ordinary bed pan 19 in proper receiving position below the toilet seat 11.

Attached to the lower ends of the legs 8 are tubular forked brackets 20 carrying cross pins 21 upon which rollers 22 are journaled. The pins 21 extend transversely of the chair and, accordingly, the rollers 22 while permitting the chair to be freely rolled forwardly and rearwardly, prevent lateral shifting movement of the chair. About midway between the lower ends of the legs 8 and the frame 9, another rectangular frame 23 is connected to the legs and this frame projects forwardly of the front legs and carries a horizontal shelf 24 at its forward portion which forms a footrest and step for the chair.

Connected by hinges 25 to the forward edge of the supporting member 10 are a pair of leg supporting bars 26 which can be swung forwardly at their lower ends as from the position shown in full lines Fig. 2, to the position there shown in dotted lines. These bars 26 carry brackets 27 in which the intumed forward ends of rods 28 are pivotally mounted and these rods project diagonally rearwardly and are pivotally connected at their rear ends to brackets 29. The brackets 29 have tubular portions through which rods 30 extend and these rods are connected at their rear ends to the rear part of the frame 23 and they are connected at their forward ends to the footrest 24. Set screws 31 equipped with bar handles are received within screw threaded bores in the brackets 29 and these set screws are adapted to clamp the brackets tightly against the rods 30 when the brackets are slid to any forward or rearward positions on these rods.

Angular-shaped clips 32 are hingedly connected to half hinges 33 attached to the supporting mem-

ber 10 at the sides thereof and these clips are preferably provided at their outer ends with upturned lips 32a which form handles for operating the clips. The clips are of slightly greater width than the spacing between adjacent springs 7 of the beds in connection with which the chair is to be used. The pivots connecting the clips 32 to the half hinged members 33 are at a level slightly higher from a supporting surface for the chair than the level of the bed rails 6 from the supporting surface for the bed in connection with which the chair is to be used. Accordingly, the toilet seat 11 will be located at roughly the same level as the top of the bed.

When an invalid lying in a bed desires to use the toilet chair, the chair will be rolled on the rollers 22 to a position alongside of the bed with the chair facing in the same direction as the patient lying in the bed and the chair preferably disposed a short distance towards the foot from the head of the bed. The clip 32 at the side of the chair adjacent the bed may then be swung upwardly and carried downwardly over the adjacent bed rail 9 between two adjacent springs 7 and the two springs will resiliently clamp the clip so that the clip will remain in this position. The chair is then securely anchored to the bed and is ready for use. An invalid lying in the bed can then readily slide off the bed onto the seat 11 with very little effort, utilizing the footrest 24 during this process. If the invalid happens to have a broken leg or otherwise has difficulty in bending one of his legs, one of the bars 26 may be swung upwardly from the full line position as shown in Fig. 2, and secured by tightening the set screws 31 therefor, so that the bar extends at the proper angle for supporting the leg. As two of these bars 26 are provided, either or both legs of the invalid may be properly supported as the case may require.

As the invalid slides onto the chair or off of the same, there is no danger that the chair will move away from the bed inasmuch as the rollers 22 and the secured clip 32 prevent lateral movement of the chair away from the bed. After the chair has been used, the patient can readily slip back into the bed from the chair with but slight

exertion. The handle 32a of the engaged clip 32 may then be grasped and the clip may be swung upwardly to disengage the same from the bed rail 33 whereupon the chair can be rolled away from the bed. Access may be had to the drawer 15 for removal or insertion of the bed pan 19 when the chair is connected to the bed or at any other time. As clips 32 are provided at each side of the chair, the chair may be attached to either the right hand rail or the left hand rail of the bed as most convenient.

The bed side toilet chair of the invention is particularly adapted for use in hospitals where it can be utilized in caring for a number of patients. Of course, the height of the seat 11 will be made such as to accommodate the same to the particular bed or beds in connection with which the chair is used. The device of the invention has been successfully demonstrated in actual practice.

It will, of course, be understood that various changes may be made in the form, details, arrangement and proportions of the various parts without departing from the scope of the present invention, which, generally stated, consists in the matter shown and described and set forth in the appended claim.

What is claimed is:—

The combination with a bed having a rail and transverse springs connected to said bed rail at spaced longitudinal intervals, of a bed side chair comprising a toilet seat disposed at roughly the same level as the top of the rail, legs supporting said seat, rollers attached to the lower ends of said legs and permitting rolling movement of the chair solely forwardly and rearwardly relative to the seat, means for supporting a bed pan below said seat and a handle equipped angle hingedly connected to one side of said seat and swingable over the bed rail, said angle being received between a pair of said springs and said angle being of a width slightly greater than the spacing between springs to resiliently wedge the springs apart slightly whereby the springs will restrain the chair from movement longitudinally of the bed.

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