Sept. 9, 1958 C. C. WHITE 2,850,743

SITZ BATH

Filed March 7, 1957 2 Sheets-Sheet 1

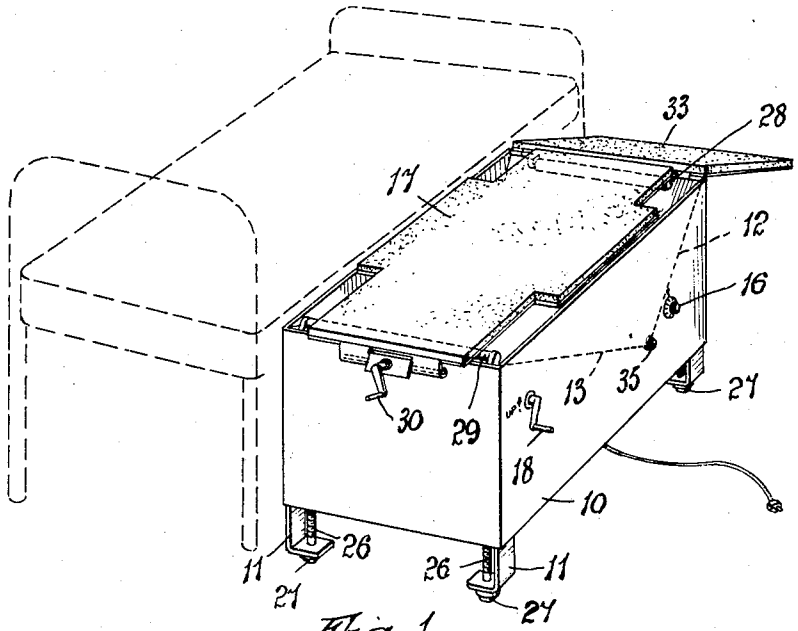


Fig. 1.

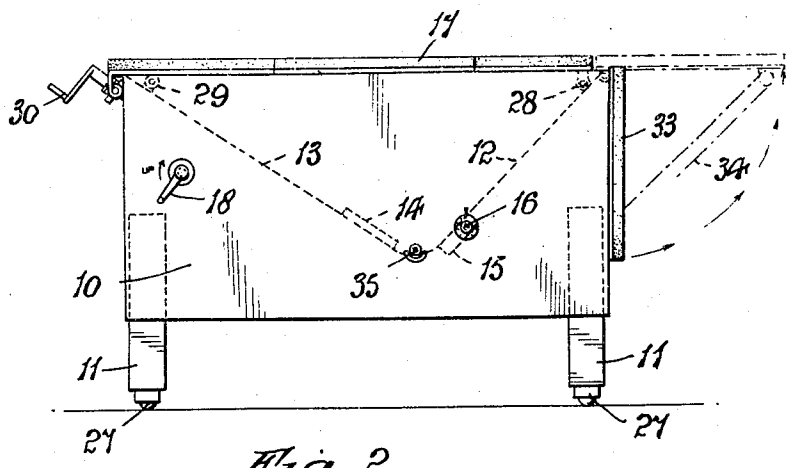


Fig. 2.

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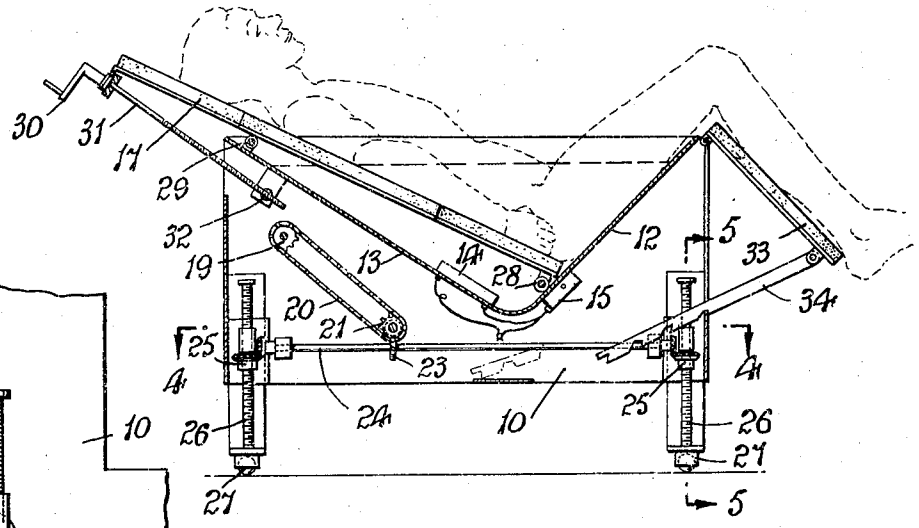


Fig. 3.

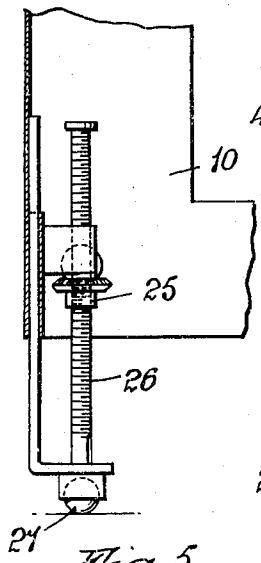


Fig. 5.

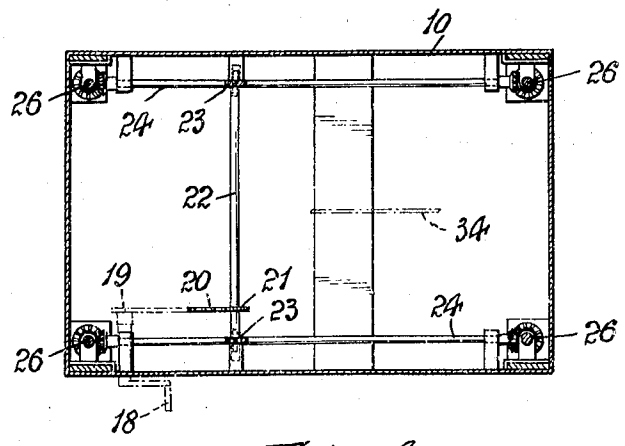


Fig. 4.

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SITZ BATH

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Application March 7, 1957, Serial No. 644,624

2 Claims. (Cl. 4—185)

This invention relates to a portable sitz bath, more particularly for use in hospitals or sick rooms wherein it is desirable to transfer a patient from bed to the sitz bath with a minimum of inconvenience to the patient, and has for its object to provide such a bath with a normally horizontal platform, which may be adjusted to the height of the bed so that the patient may be readily transferred thereto, with provision for gently lowering one end of the platform to an inclined position immersed in the bath in such manner that the patient will be comfortably supported with the hips immersed and the calves of the legs extended over the front edge of the bath where a suitably adjustable support may be provided to properly rest the lower portions of the legs so projecting.

More particularly, the said invention aims to support the said platform in such manner that, after the patient has been placed thereon, the said platform may be drawn rearwardly over the rear edge of the tub, which rear edge is adapted to operate as a fulcrum on which the said platform may be rocked to a partially immersed slanting position in the tub; these movements preferably being effected through the agency of mechanical adjusting means.

Still further, it is contemplated that an inclined guide or track be provided in, or forming, the forward portion of the tub proper to direct the downward and upward movement of the forward end of the platform as the said platform is drawn rearwardly over the rear edge portion of the tub.

Still further, it is proposed for the raising and lowering of the platform in its horizontal position to the substantial level of a bed from which a patient is to be transferred and preferably to effect this by mechanical means arranged to raise and lower the tub itself.

Still further objects or advantages additional or subsidiary to the aforesaid objects, or resulting from the construction or operation of the invention as it may be carried into effect, will become apparent as the said invention is hereinafter further disclosed.

In carrying the said invention into effect, I may adopt the novel construction and arrangement of parts hereinafter described, by way of example, having reference to the accompanying drawing, wherein:

Figure 1 is a perspective view of my improved sitz bath shown in relation to the bed of the patient;

Figure 2 is a side elevation of the device;

Figure 3 is a vertical longitudinal section of the same showing the platform in its slanted position of use;

Figure 4 is a horizontal section of the same taken on a plane indicated by the line 4—4 in Figure 3; and

Figure 5 is a detail view of one of the adjustable bath supports taken on a plane indicated by line 5—5 in Figure 4.

Similar characters of reference indicate similar parts of the several figures of the drawing.

The outer bath structure **10** is shown as being, in this case, of a rectangular construction provided with corner leg members **11** and is characterized by sloping guide on

track extending downwardly and rearwardly within the structure from the forward edge thereof, and, although the actual construction of this tub proper may be of any form within the structure which may be found convenient and desirable, I prefer to make the said track **12** in the form of an inclined plate extending between the side walls of the outer structure and thus forming part of the bottom of the tub and merging into a second oppositely inclined plate **13** extending upwardly to the rear edge of this structure, as clearly shown in Figures 1, 2 and 3; whereby a tub of a V type, as viewed from the side of the device, is provided.

For controlling of temperature of water in this tub, I have shown electric heater **14** coupled to a thermostat **15**, which may be regulated by a control **16**, suitably accessible on the outside of the structure.

17 indicates a platform or body rest which may, in its raised position, be substantially level with the top of the structure **10**, as indicated in Figures 1 and 2, and can be lowered to an inclined position within the tub (as shown in Figure 3), as by means which will be further described.

In order that this platform, in its raised position, may be adjusted to the general level of the bed of a patient so that he may be easily moved from the bed on to the platform, I provide for the vertical adjustment of the device to meet such a requirement. To facilitate such adjustment, I show a crank **18** to operate a gear **19**, which is coupled by a chain **20** to a gear **21** mounted on a transverse shaft **22** within the structure. This shaft **22** is geared at **23** to longitudinal shafts **24** which, in turn, have their extremities geared to nuts **25** suitably mounted on threaded posts **26**, each of which is provided with a castor **27**. Thus, by rotation of the crank **18** in one or other direction, the structure may be raised or lowered on the said posts **26** to determine the level of the platform **17**.

The said platform **17** is provided at its forward end with a roller **28** positioned to travel upwardly and downwardly over the inclined track **12**, and a further roller **29** is shown as being situated at the upper edge of the wall **12**, so that the said platen may be freely moved over this roller in a manner which will be quite apparent from an examination in Figure 3; **30** being a crank for operating an adjusting screw **31** which is carried by the rear portion of the said platform **17** and is threaded into a member **32** carried by the structure **10**; whereby the rotation of this crank **30** in one or other direction will cause the rearward movement of the said platform over the rear edge of the tub and permit the downward descent of the forward end of the platform along the guide or track **12**, in which position the body of a person resting thereon will have the hips immersed in the bath proper. Obviously the opposite rotation of the crank **30** will effect forward movement and consequent raising of the platform. It will be apparent that the member **32** is capable of some rotation relative to the frame structure in order that the screw **31** may swing vertically to accommodate the tilting movement of the platform.

A forward leg rest **33** is shown as being hinged to the upper front end of the structure and adjustable from a horizontal to an inclined position, through the agency of a rack brace **34** in a manner which will be obvious.

A plug **35** is indicated to facilitate drainage of the device.

What I claim is:

1. In the portable sitz bath, a tub having spaced forward and rear edges, a patient support platform normally resting in a horizontal position over said edges, said platform being slidable rearwardly of said tub with said rear edge as a fulcrum whereby said platform may be tilted about said rear edge during such movement to

an extent of less than 90° to provide an inclined back rest within the tub, inclined track means in the forward end of said tub to guide the forward edge of said platform downwardly and rearwardly during such tilting movement to an inclined position and during its return movement to a horizontal position, and adjustably operable platform-sliding means for moving said platform backwards and forwards over the rear end of said tub whereby the forward end of said platform may accordingly descend or ascend said track means to lower and raise a patient into and from said tub.

2. A sitz bath according to claim 1, wherein the forward end wall of said tub is inclined and forms the track means for the guidance of the forward edge of said platform.

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