July 18, 1939. F. D. SCHERMERHORN 2,166,480

BEDPAN

Filed Feb. 1, 1939

Fig. 1.

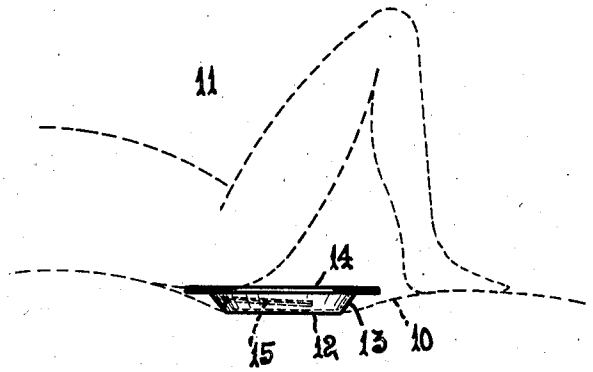


Fig. 2.

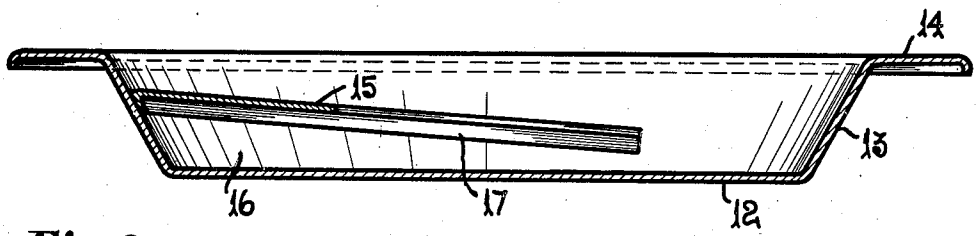
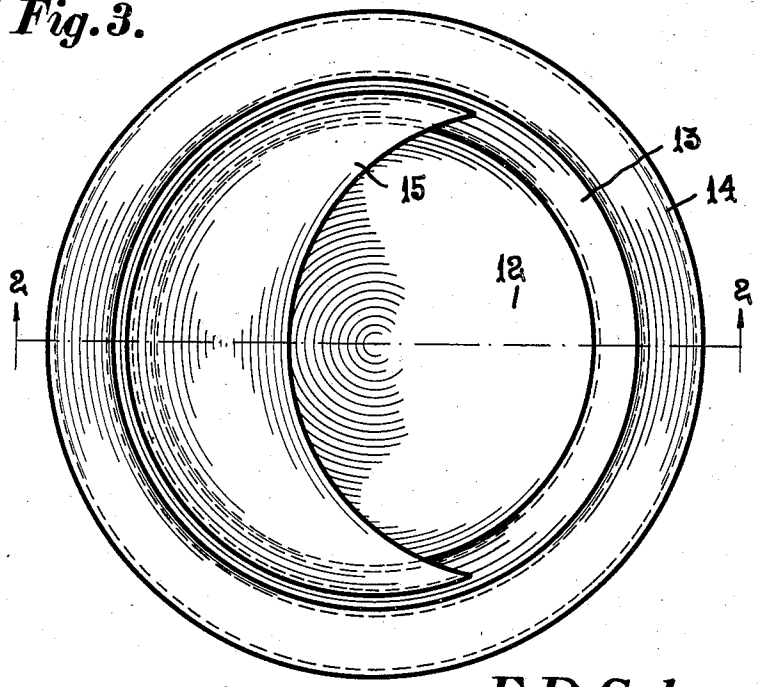


Fig. 3.



Inventor

By F.D.Schermerhorn

Arthur H Sturges

Attorney

Patented July 18, 1939 2,166,480

UNITED STATES PATENT OFFICE

2,166,480

BEDPAN

Francis D. Schermerhorn, Omaha, Nebr., assignor of one-half to Anna M. Schermerhorn, Omaha, Nebr.

Application February 1, 1939, Serial No. 254,042

1 Claim. (Cl. 4—112)

This inventon relates to hospital and surgical supplies or the like and more particularly to bed-pans and has for an object to provide a device of economical construction which may be placed in an operative position more rapidly and advantageously than heretofore.

A primary object of the invention is to provide a bed-pan which can be placed in a position of use with a minimum of discomfort to a bed-ridden patient and which does not necessitate raising the medial portions of the torso of the patient off of a bed in order to insert a bed-pan under said torso as heretofore practiced.

Other and further objects and advantages of the invention are believed to be obvious from the following detailed description thereof, reference being had to the accompanying drawing forming a part thereof and in which:

Figure 1 is a side elevation of the new bed-pan as applied in a position of use with respect to a patient and bed, the latter and said patient being represented by dotted lines.

Figure 2 is a transverse section taken on line 2—2 of Figure 3.

Figure 3 is a top plan view of the new device.

Referring now to the drawing for a more particular description, the dotted line 10 represents the upper surface of a bed upon which a patient, generally indicated at 11, is disposed, the latter being also represented by dotted lines.

The back of the torso of said patient is disposed upon and in contact with said surface 10 in a well-known manner and, as shown in Figure 1 while using the new bed-pan.

As heretofore practiced it has been necessary for the primary portion of said torso to be raised off of the surface 10 in order to slide a conventional bed-pan into a position of use and at times when said patient has certain afflictions a disturbance of the torso militates against a recovery thereof and often great pain is caused said patient resultant from said raising and the present invention contemplates obviating the prior undesirable practices.

The new device includes a bottom 12 and is comparatively extremely shallow. Preferably the side wall 13 of the new device is annular and disposed between said bottom 12 and an annular flange 14.

The distance between said bottom and the flange 14 governs the depth of the pan of the present invention and said depth is approximately one-fifth of the diameter of the annular wall 13.

A partition wall 15 which is crescent shape in plan, as shown in Figure 3, is secured to the side wall 13 of the pan for providing a chamber 16 for purposes later described.

The chamber is sealed and water-tight as to the walls of all portions thereof except that the side thereof which is disposed toward the medial portion of the pan is open for providing the chamber with a mouth.

The upper surface of the crescent shaped partition 15 is inclined with respect to the bottom 12, as shown in Figure 2, said partition extending divergently with respect to said bottom, the acute ends of the crescent partition being preferably disposed closer toward the bottom 12 than that portion thereof which is disposed further away from said ends.

The partition 15 is preferably provided with a downwardly turned flange 17 which is formed integral with the convexed edge thereof being substantially semi-circular in plan and secured to the side wall 13 by any suitable means such as solder or baked enamel.

In order to apply the pan in a position of use without disturbing the patient, that side thereof which is provided with the partition 15 is inserted between the patient and the upper surface 10 of the bed and at this time the pan is in an inclined position; whereupon the nurse or attendant presses the heel of the palm of her hand downwardly upon that portion of the flange 14 which is oppositely disposed with respect to the open side or mouth of the chamber 16 for causing the pan to be pressed inwardly of the soft surface 10 of the bed and into a substantially horizontal position of use, as shown in Figure 1, and held in said horizontal position during use.

As thus described it will be understood that urine discharged upon the upper surface of the partition 15 flows downwardly upon the bottom 12 of the pan; whereupon the pan is again inclined for and during a removal thereof without disturbing said patient, said urine flowing into the chamber 16 during said latter mentioned inclination of the pan and becomes trapped in said chamber whereby the pan and debris may be removed without soiling the bed linen.

It is obvious that various changes and modifications may be made in the details of construction and design of the above specifically described embodiment of this invention without departing from the spirit thereof, such changes and modifications being restricted only by the scope of the appended claim.

I claim:

A bed-pan comprising a bottom, a flange, a side

wall between said flange and bottom, said flange being perimetrically disposed with respect to said wall and extending beyond the latter a distance substantially equal to the height of said side wall, said height being approximately one fifth of the diameter of said bottom for providing a comparatively shallow construction whereby it may be inserted inclinedly between the upper surface of a bed and the torso of a user while the latter is disposed on said surface, and a partition of approximately crescent shape in plan extending between oppositely disposed portions of said wall, the convexed edge of said partition being sealed to said wall for providing a chamber between said bottom and partition having an open mouth adjacent the concaved edge of said partition, that portion of said flange which is furthest away from said mouth being adapted to be pressed toward said surface of the bed for permitting said pan to be held in an approximately horizontal position of use, said partition being disposed inclinedly toward said mouth for causing urine discharged thereon to flow downwardly of the partition during use, said chamber being adapted to trap said urine therein at times when the bedpan is inclined during a removal thereof from under the body of said user.

FRANCIS D. SCHERMERHORN.