L. PIETERS.

SANITARY BEDPAN.

APPLICATION FILED APR. 30, 1920.

1,396,382. Patented Nov. 8, 1921.

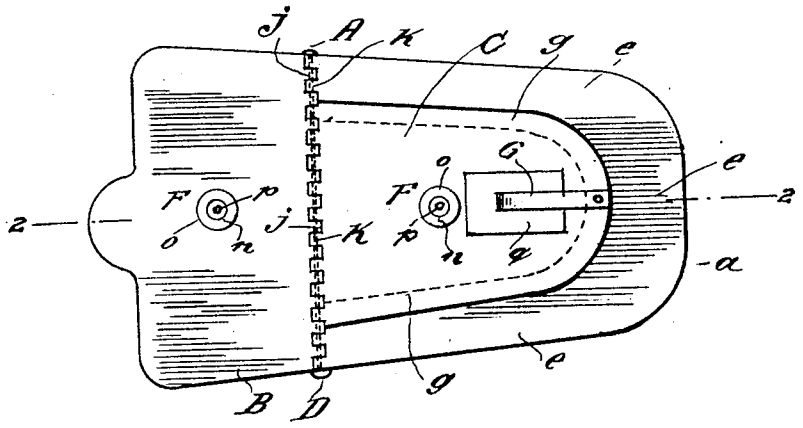


Fig. 1.

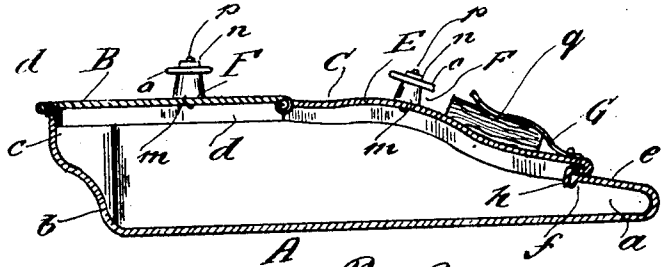


Fig. 2.

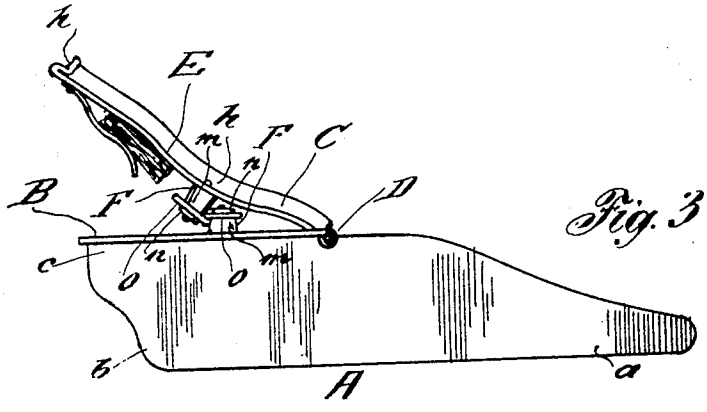


Fig. 3

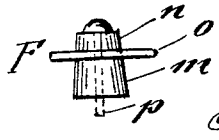


Fig. 4.

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SANITARY BEDPAN.

1,396,382. Specification of Letters Patent. Patented Nov. 8, 1921.

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To all whom it may concern:

Be it known that I, LOUISE PIETERS, a citizen of the United States, and resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Sanitary Bedpans, of which the following is a specification.

This invention relates to sanitary bed pans, and has for its objects to provide an article of this character which embodies novel features of utility adapted for the several purposes for which such articles are usually employed; which may be used without liability of soiling bed clothes, and which may be maintained in constantly clean and well aired condition.

The above named and other objects are attained by employing a receptacle of adaptable contour, hinged covers therefor, means for maintaining said covers open, means for carrying toilet paper, and other novel features, all as hereinafter fully described and specifically set forth in the annexed claims.

In the accompanying drawings forming part of this specification, Figure 1. is a top plan view of my improved bed pan. Fig. 2. is a longitudinal sectional view taken on the line 2—2 of Fig. 1. Fig. 3. is a side view showing one part of the cover open and in locked relation with the other part thereof; and Fig. 4. is a side view showing the locking means in detail.

In the example of my invention illustrated by the drawings, A indicates an elongated receptacle composed of sheet metal, as tin; said receptacle is comparatively deep at its rearward part, and it is shallow and tapered at its forward part, as indicated by *a;* the rearward wall *b* of said receptacle is provided with a spout or contracted extension *c*, of approximately semicircular plan-contour which may be used for either ingress or egress of fluid substance. The bottom of the receptacle is extended on a horizontal plane, whereby a nurse may place it on a bed surface in proper position adjacent to a patient and leave it for any desirable length of time without liability of having its contents spilled.

As a means for closing the receptacle, at its rearward or deep part, I provide a flat cover B, which has an inturned and downwardly extended flange *d*, around its outward and side edges, this flange snugly fits within the rear and side walls of the receptacle obviating liability of leakage and making a secure closure when the cover is down, said tight fitting closure also acts to prevent the escape of odorous gases which may be generated by the contents of the device.

The inner or tapered end part of the receptacle A is provided around three of its sides with an overhanging part *e*, having a downwardly extended flange *f*, which extends around the ingress opening *g;* this flange provides a smooth-edged opening for contact with the body of the patient. As a means for closing the said opening *g*, I provide a cover C, having an inturned and downwardly extended flange *h*, which registers with and closely fits within the flange *f*, when the cover is down, whereby the contents of the device is securely contained and leakage is prevented when it is being handled by a nurse.

The covers B and C are hinged to each other, at their line of intersection, by means of interlocking parts *j*, *k* and a rod D which passes through said interlocking parts and through the side walls of the receptacle A, whereby said covers may have independent swinging movement.

The cover C is provided with a concavo-convex part E, adapted to conform to the curves of the body of a patient, whereby said cover may contact over the abdominal regions of a patient while the device is in use without causing inconvenience.

The covers B and C are respectively provided with a stud F, comprising respectively a wooden base-ring *m*, an outer ring *n* and a rubber ring *o*, said stud being fixed to its cover by means of a pin *p*, which is riveted, soldered or otherwise fixed to its cover. These studs accomplish a twofold purpose, they may be employed either as handle-means for opening and closing the covers, or as means for locking and maintaining the device in open condition, as shown in Fig. 3 of the drawing; this open condition of the device is essential for purposes of airing and drying it after it has been used and cleansed. The locking operation is automatic, it being simply necessary to swing the covers toward each other until their resilient rings *o*, pass and peripherally interlock; when closing the device swinging movement imparted to the covers in the opposite direction automatically unlocks the studs by reason of the resiliency of their rings *o*.

The device is further provided with a spring-metal clip G, for holding a plurality of tissue paper sheets *q*, in handy position for use of a patient.

When the device is out of use the covers are maintained open in position shown by Fig. 3, with the cover C over the cover B, or the cover C may be closed with the cover B thrown thereover; or the device may be placed on one of its sides with the covers locked together and both swung open, whereby the inside of the device may be more thoroughly aired, the open covers admitting of free circulation of air therethrough.

When the device is being used the nurse adjusts it in proper and desirable correlation with the body of a patient, allowing the cover E to rest over said patient's abdomen, this brings the paper in handy position for the patient's use, confines gases and odors and admits of automatic closing of the cover at the time of removal of the device from the bed.

Slight variations of contour of the parts and details of mechanical construction may be employed as equivalents for the specific details herein shown and described; therefore I do not wish to confine myself to such specific details, reserving the right to employ other details which may be rightly used under the spirit and scope of my invention.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. A bed pan comprising a receptacle having an opening at the top and having a flat horizontal bottom and an open spout at its rear end part, and a hinged cover for said rear end part and spout, said receptacle being tapered at its forward end part and having an overhanging downwardly flanged part, and a hinged cover for the forward end of said opening, said cover having a flanged edge for engaging said flanged overhanging part, and locking means for maintaining said covers in open position.

2. A bed pan comprising a receptacle open at the top and having an open spout at its rear end part and a tapered forward end part, a hinged cover for closing said rear end part and its spout, and a hinged cover for closing said tapered part, said last named cover having a concave-convex part, and means for locking said covers in open position.

3. A bed pan comprising a receptacle open at the top and having an open spout at its rear end part and a tapered forward end part, a hinged cover for closing said tapered part, said cover having a concave-convex part, and a cover for closing said outer end part and its spout, and spurs having resilient annular flanges for locking said covers in open position.

Signed at New York, in the county of New York, and State of New York, this twentieth day of April, A. D. 1920.

LOUISE PIETERS.