June 24, 1924. 1,499,161

C. E. FARNSWORTH

BEDPAN

Filed Jan. 7, 1924

Fig. 1.

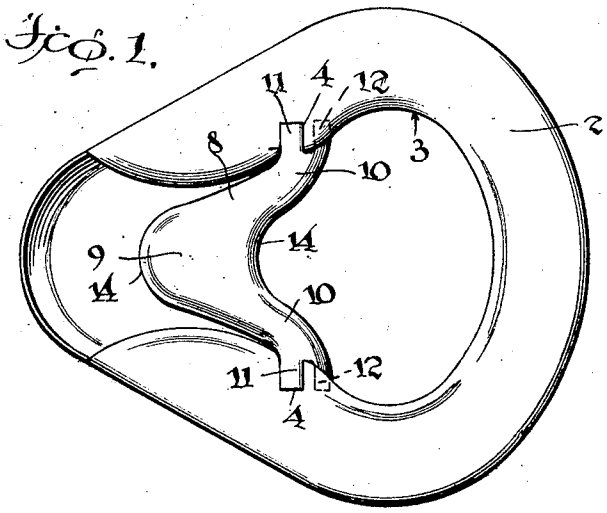


Fig. 2.

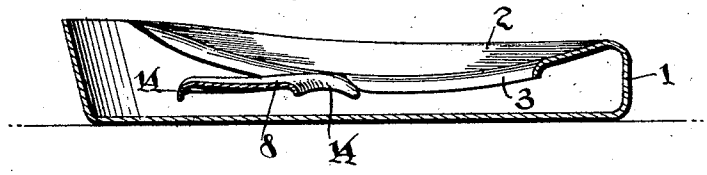


Fig. 3.

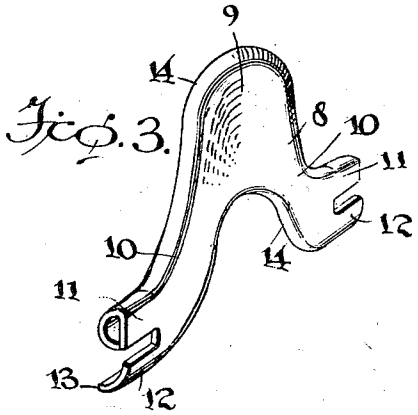
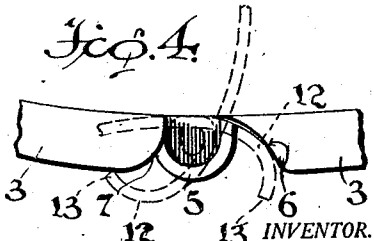


Fig. 4.



INVENTOR.
C. E. Farnsworth,

BY
Geo. P. Kimmel.
ATTORNEY.

Patented June 24, 1924. 1,499,161

UNITED STATES PATENT OFFICE.

CLARENCE E. FARNSWORTH, OF HOISINGTON, KANSAS.

BEDPAN.

Application filed January 7, 1924. Serial No. 684,807.

To all whom it may concern:

Be it known that I, CLARENCE E. FARNSWORTH, a citizen of the United States, residing at Hoisington, in the county of Barton and State of Kansas, have invented certain new and useful Improvements in Bedpans, of which the following is a specification.

This invention relates to receptors and more particularly to the class of bed pans, and has for its primary object the provision in the manner as hereinafter set forth, of a bed pan adapted to both male and female use, and having a centrally positioned shiftable means to provide a deflecting shield.

Another object of this invention is the provision in the manner as hereinafter set forth, of a bed pan having a shiftable member occupying the central position in and extending toward the front of the vessel to act as a support or retractor for a portion of the body of the patient.

Another object is the provision in the manner as hereinafter set forth, of a bed pan having a centrally positioned retractor and shield pivotally supported between the inwardly extending edges of the pan and adapted to be removed for the purpose of cleansing and sterilization.

A still further and final object of this invention is the provision, in the manner as hereinafter set forth, of a bed pan having a shiftable shield and deflector pivotally connected thereto, the use of which will add greatly to the comfort of the patient, but will not hinder easy and thorough cleaning of the vessel, and will be of a construction which is light, strong, and inexpensive to manufacture.

A better understanding of the invention may be had from a consideration of the following detailed description taken in connection with the accompanying drawing forming part of this specification, with the understanding that the invention is not confined to any strict conformity with the showing of the drawing, but may be changed and modified so long as such changes and modifications mark no material departure from the salient features of the invention as expressed in the appended claims.

In the drawings:

Figure 1 is a top plan view of a bed pan and shield constructed in accordance with this invention.

Fig. 2 is a vertical longitudinal section of the same.

Fig. 3 is a detail perspective view of the removed shield, and,

Fig. 4 is a detail view showing means for the support of the shield in the pan and also showing in dotted position, the raised and lowered position of the shield.

Referring now to the drawings in detail, wherein like numerals of reference indicate corresponding parts throughout the several views of the drawings, a bed pan body is indicated at 1, which has the usual open top, the top edge being partially surrounded by the usual inwardly extending and downwardly inclined flange 2, which flange has its inner edge bent and extended downwardly toward the bottom of the pan, as at 3. This depending flange 3 is broken at diametrically opposite points, and the points in the inwardly extending flange adjacent the break in the downturned flange 3, there are formed recesses 4 and positioned beneath these recesses there are U-shaped bearing members 5. These bearing members 5 may be made from separate material and may be secured to the under surface of the inwardly extending flange beneath the recesses 4 or the inwardly extending flange 2 may be pressed inwardly at these points adjacent the break in the depending flange 3 to form the recess and the bearings 5 at one operation. The broken ends of the depending flanges 2 which terminate on either side of the bearings 5 are formed in the following manner. The ends of the flange 3 which terminate rearwardly of the bearings 5 are cut backwardly from the upper portion of the bearings to the lower edge of the flange 3 forming a rearwardly extending concave curved edge 6, as clearly shown in Fig. 4. The other ends of the downturned flange 3 which terminate upon the forward side of the bearings 5 are substantially vertical at the upper portion or where the upper part of the flange 3 connects with the upper part of the bearing 5, and the lower portion of

each end of this flange is slightly rounded as at 7.

Adapted to be supported in the bearings 5, is a substantially yoke-shaped member 8 having the central forwardly extending portion 9 of substantial thickness and further being slightly concaved at its central portion and the sides of this member 9 are tapered off into relatively narrow portions 10 which extend outwardly at right angles with respect to the longitudinal axis of the portion 9, and these right angularly extending portions are bifurcated, and one of the furcations on each side, the upper, is rolled to provide a pivotal arm 11, while the other furcation is curved toward the under side of the member 8 to provide a stop member 12, the purpose of which will become evident. The pivot arms 11, when the member 8 is placed in position, occupy the bearing 5, and are rounded to turn therein, while the curved top of the stop members 12 engage the surface 6 when the shield or retractor member 8 is in a horizontal position, and the edges 13 of the member 12 engage the other surface 7 of the depending flanges 3 to retain the member 8 in vertical position.

The position occupied by and the part played by the stop member 12, will become apparent upon a study of Fig. 4 of the drawing, there being here shown in dotted lines the position assumed by the stop 12 when the retractor is in vertical and also when it is in the horizontal position. The front and rear edges of the retractor are curved, as at 14, to remove any sharp edges from the material which would come in contact with the body of the patient.

What I claim is:—

1. The combination with a bed pan having its top formed with a pair of spaced bearings of, a combined deflector and support positioned within said top and formed with a pair of bifurcated extensions, one of the furcations in each of said extensions being seated in one of said bearings, and the other furcations engaging under the top to provide a stop.

2. The combination with a bed pan having its top formed with a pair of spaced bearings of, a combined deflector and support positioned within said top and formed with a pair of bifurcated extensions, one of the furcations in each of said extensions being seated in one of said bearings, and the other furcations engaging under the top to provide a stop, the furcations seated in said bearings being rolled and of semicircular contour.

3. The combination with a bed pan having its top formed with a pair of spaced bearings of, a combined retractor and deflector positioned within said top and formed with a pair of bifurcated extensions, one of the furcations in each of said extensions being seated in one of said bearings, and the other furcations engaging under the top to provide a stop, the said bearings being arranged below the upper surface of said top.

4. The combination with a bed pan having its top formed with a pair of spaced bearings of, a combined retractor and deflector positioned within said top and formed with a pair of bifurcated extensions, one of the furcations in each of said extensions being seated in one of said bearings, and the other furcations engaging under the top to provide a stop, the said top having recesses formed therein and the said bearings being arranged beneath said top and opening into said recesses.

5. In a bed pan, a combined support and deflector element having a flaring body portion provided at one end with a pair of oppositely disposed bifurcated lateral extensions, for connection and supporting said body to and on a bed pan in a horizontal or vertical position.

6. In a bed pan, a combined support and deflector element having a flaring body portion provided at one end with a pair of oppositely disposed bifurcated lateral extensions, for connection and supporting said body to and on a bed pan in a horizontal or vertical position, said body portion being concave in cross section.

7. In a bed pan, a combined support and deflector element having a flaring body portion provided at one end with a pair of oppositely disposed bifurcated lateral extensions, for connection and supporting said body to and on a bed pan in a horizontal or vertical position, one of the furcations of each extension acting as a pivotal connection between the said element and pan and the other of said furcations engaging the said pan to provide a stop.

8. In a bed pan, a combined support and deflector element having a flaring body portion provided at one end with a pair of oppositely disposed bifurcated lateral extensions, for connection and supporting said body to and on a bed pan in a horizontal or vertical position, one of the furcations of each extension being rolled and semi-circular in contour to provide a pivotal connection between the said element and pan and the other of said furcations engaging the said pan to provide a stop.

9. In a bed pan, a combined support and deflector element having a flaring body portion provided at one end with a pair of oppositely disposed bifurcated lateral extensions, for connection and suspending said body to and on a bed pan in a horizontal or vertical position, one of the furcations of each extension acting as a pivotal connec-

tion between the said element and pan and the other of said furcations being curvilinear and engaging the body of the pan at its convex side when the element is in horizontal position and when in vertical position engaging the body of the pan with its outer edge.

10. In a bed pan, a combined support and deflector element having a flaring body portion provided at one end with a pair of oppositely disposed bifurcated lateral extensions, for connection and supporting said body to and on a bed pan in a horizontal or vertical position, the marginal edge of the said body portion at the front and rear thereof being curved, said support further being removable from the pan only upon proper manipulation.

In testimony whereof, I affix my signature hereto.

CLARENCE E. FARNSWORTH.