April 13, 1948. E. N. BRODERICK 2,439,683

SANITARY RECEPTACLE AND SUPPORTER

Filed Sept. 14, 1946 2 Sheets-Sheet 1

Fig. 6.

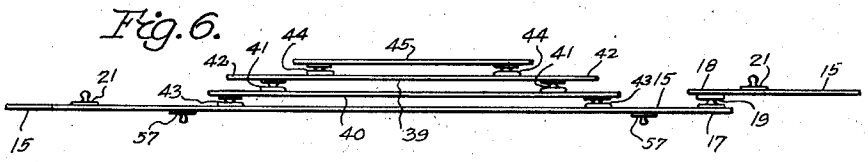
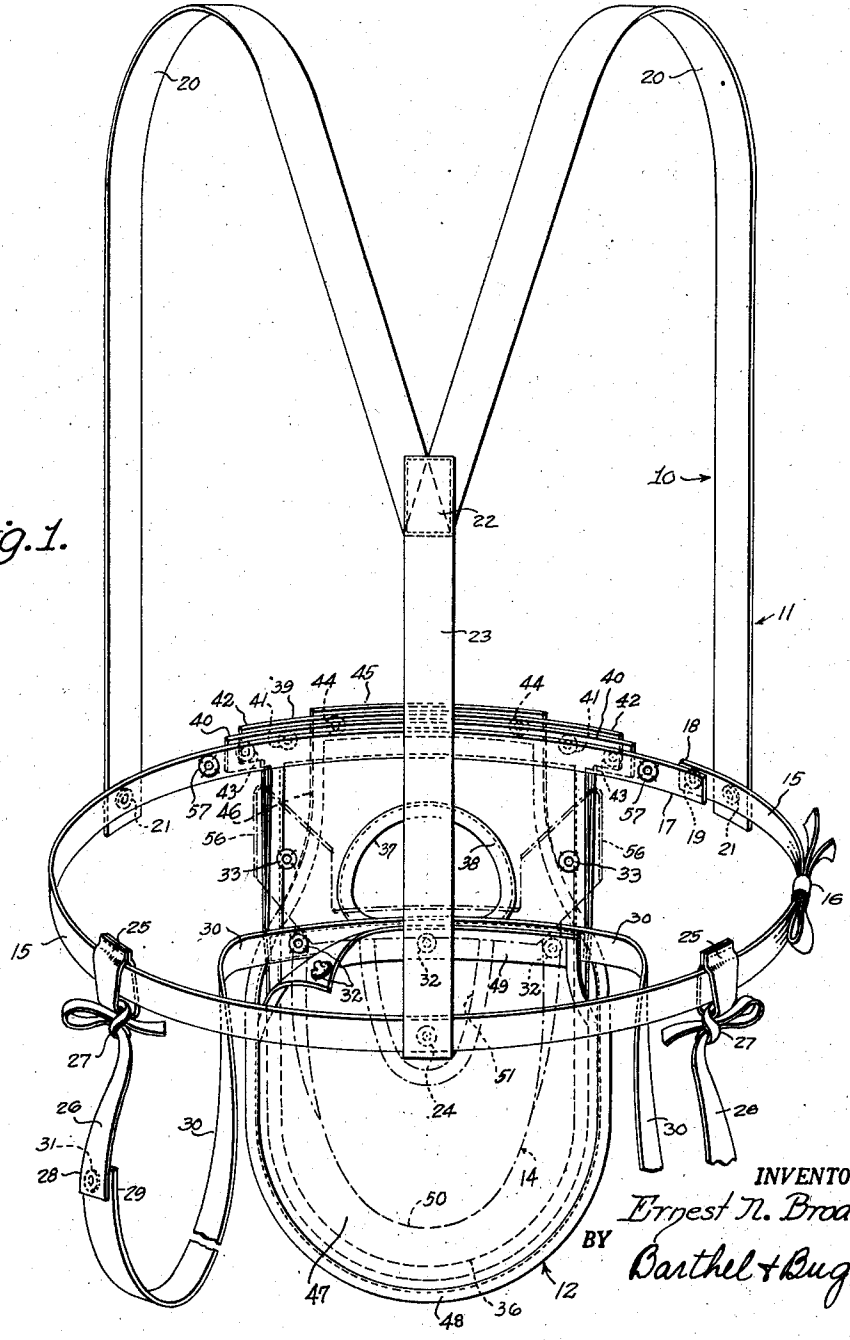


Fig. 1.



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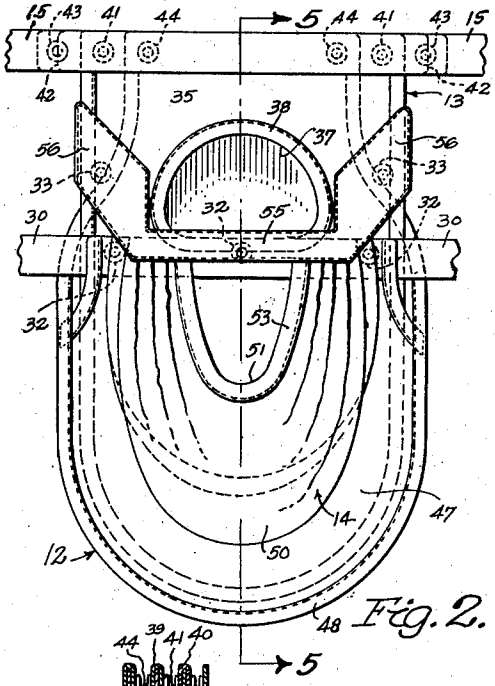


Fig. 2.

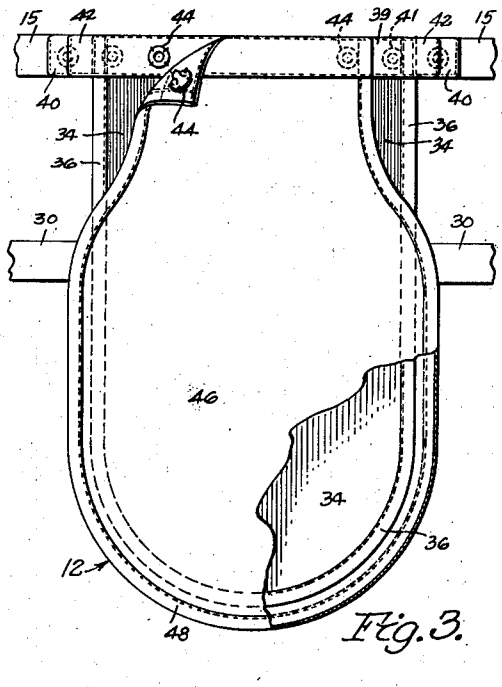


Fig. 3.

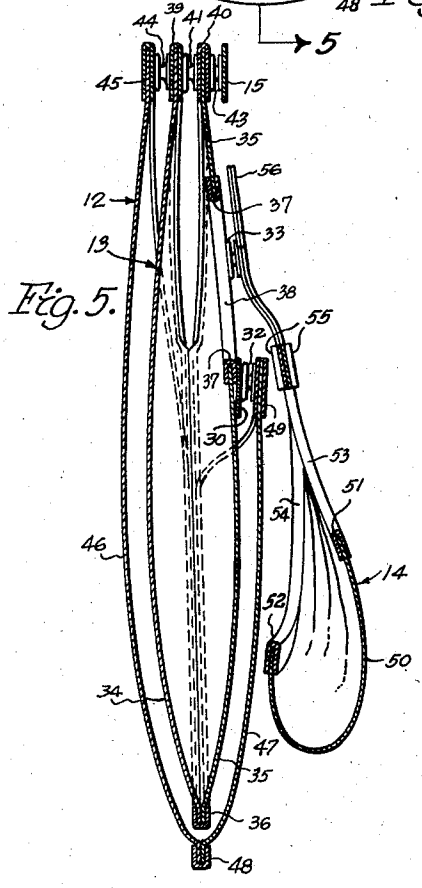


Fig. 5.

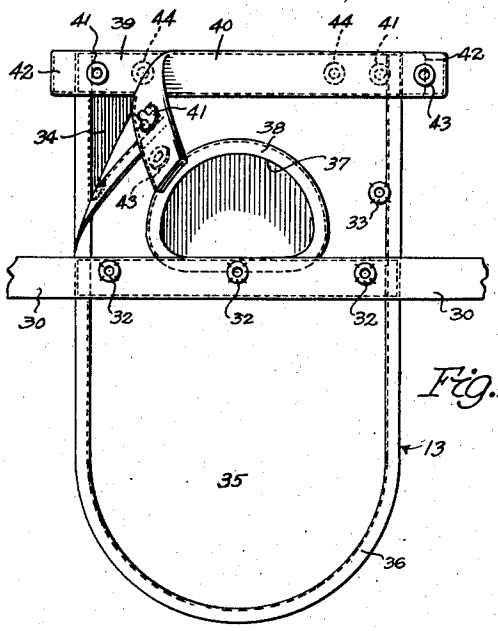


Fig. 4.

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SANITARY RECEPTACLE AND SUPPORTER

Ernest N. Broderick, Detroit, Mich.

Application September 14, 1946, Serial No. 697,041

11 Claims. (Cl. 128—295)

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This invention relates to medical and surgical appliances and in particular to sanitary receptacles and supporters.

One object of this invention is to provide a sanitary receptacle for receiving the discharge from the genito-urinary organs of male patients resulting either from disease or from organic weakness.

Another object is to provide a sanitary receptacle as set forth above wherein the various parts are easily removed for cleaning or replacement purposes or partially separated for medical examination of the organs or for urination.

Another object is to provide a sanitary receptacle, as set forth in the preceding objects wherein an attachable and detachable suspensory is also provided for supporting the organs.

Another object is to provide a sanitary receptacle, as set forth in the preceding objects, wherein the fluid is absorbed by an absorbent material contained in a fabric sack which is in turn protected by an external bib or shield of waterproof material such as rubber, thereby avoiding soiling and staining of the clothing.

Another object is to provide a sanitary receptacle wherein the various parts may be quickly and easily adjusted to fit the wearer or detached completely by the use of quick-detachable fasteners.

Another object is to provide a sanitary receptacle which is as soft and comfortable to the body as is possible and which offers the maximum convenience in assembling, disassembling, adjusting, putting on or taking off.

Another object is to provide a sanitary receptacle which may be removed from the body without removing the clothing, merely by unfastening three fasteners, namely one on a belt and two on leg straps by which the device is held in position, this feature also enabling the quick and easy replacing of a soiled receptacle with a new or clean one.

Other objects and advantages will become apparent during the course of the following description of the accompanying drawings, wherein:

Figure 1 is a rear perspective view of a sanitary receptacle and supporter according to a preferred form of the invention, with the suspensory removed and its position shown in chain lines;

Figure 2 is a fragmentary rear elevation of the central portion of Figure 1, with the suspensory attached;

Figure 3 is a front elevation of the central portion of Figure 1, with the suspensory removed;

Figure 4 is a rear elevation of the receptacle

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after its removal from the device and without the waterproof shield;

Figure 5 is a central vertical section taken along the line 5—5 in Figure 2; and

Figure 6 is a top plan view of the central forward portion of Figure 1, showing the manner of uniting the various parts by snap fasteners.

Referring to the drawings in detail, Figures 1 to 5 inclusive show a preferred form of sanitary receptacle and supporter generally designated 10, according to the invention, and consisting generally of a carrier portion 11, a waterproof shield or bib 12, a receptacle 13 within the shield 12, and a supporter or suspensory 14 separably and removably attached to the foregoing parts. The carrier portion 11 consists of a belt 15 of tape or the like adapted to encircle the body at the waist and with its opposite ends arranged to be tied together as at 16 according to the size of the wearer's waist. The belt 15 is also provided with separable portions 17 and 18 detachably united by a separable fastener 19, such as a snap fastener. The belt 15 is additionally supported by shoulder straps 20 removably secured by snap fasteners 21 to the front of the belt and united as at 22 to a single back strap 23 which is likewise secured to the back mid-portion of the belt 15 by a snap fastener 24. The belt 15 also carries a pair of loops 25 through which the ends of tapes 26 are passed and tied as at 27. The lower ends 28 of the tapes 26 are united to the ends 29 of a tape 30 by means of snap fasteners 31.

The tape 30 (Figure 4) is secured at its mid-portion as by stitching to the receptacle 13 and is provided with spaced snap fasteners 32 for the attachment of the shield 12 as hereinafter described. The receptacle 13 is also provided with an additional pair of snap fasteners 33 for the supporter 14.

The receptacle 13 is in the form of a sack having front and rear walls 34 and 35 respectively united by an edge binding 36. The rear wall 35 is provided with an aperture 37 surrounded by a binding 38 attached thereto by stitching or the like, the aperture 37 serving for the passage of the penis. The front and rear walls 34 and 35 are stitched together with the binding 36 only at locations below the tape 30, the upper portions being separated and attached to separate horizontal tapes or straps 39 and 40 respectively (Figure 4). The tapes 39 and 40 are separably united by snap fasteners 41. The tape 39 is also provided on its exposed or rear side with laterally extending tabs 42 to facilitate

grasping it, whereas the tape 40 is provided with snap fasteners 43 by which the receptacle 13 is removably attached to the belt 15. The front of the forward tape 39 is provided with snap fasteners 44 by which the upper edge tape 45 of the shield 12 is removably attached.

The shield 12 is likewise in the form of a sack and consists of front and rear walls 46 and 47 respectively united along their lower portions by an edge binding 48 stitched or otherwise secured thereto. The upper portions of the shield 12 are unattached along their vertical edges or sides in order to permit insertion and removal of the receptacle 13. The rear wall 47 terminates in a horizontal tape or strap 49 (Figure 5) approximately adjacent the tape 30 and is removably secured thereto by the snap fasteners 32, as previously stated. Thus, the shield 12 is in the form of a waterproof bib of rubber or rubber-like material which contains the receptacle 13 and prevents it or its contents from soiling the clothing. The receptacle 13 is preferably of fabric and in use is provided with a pad of absorbent gauge or other suitable absorbent material (not shown), so as to receive and retain the fluids.

Since weakness of or disorders of the genito-urinary organs is often accompanied by weakness of the testicles, provision for their support is effected by means of a suspensory 14. This is in the form of a sack portion 50 having apertures 51 and 52 in its rear and front walls respectively surrounded by edge bindings 53 and 54 (Figure 5), these being united at their upper edges by lateral members 55 stitched together and having upwardly extending wings 56 at their opposite ends. These are secured to the receptacle 13 by the snap fasteners 33 previously described. The belt 15 is also provided with additional snap fasteners 57 spaced outwardly of the snap fasteners 43 for the attachment of a larger sized receptacle 13 and shield 12. The larger sizes of these are attached in the same manner as described previously for the smaller sizes thereof and hence requires no additional description.

In the use of the device of this invention, the wearer adjusts the belt 15 to his own waist measurement and ties the ends thereof as at 16, after passing the belt 15 through the loop 25. He then places a pad of gauze or other absorbent material in the receptacle 13 by unsnapping the upper snap fasteners 41 (Figures 4 and 5), after which he inserts the receptacle 13 into the shield 12 and snaps the upper forward portion 45 thereto by the snap fasteners 44, and the upper rear portion 49 thereof to the tape 30 by the snap fasteners 32. If the suspensory or supporter 14 is desired, it, too, is snapped to the receptacle 13 by means of the snap fasteners 33.

The user then inserts the penis through the opening 37 in the receptacle 13 and also arranges the suspensory 14 to support the testicles, if the suspensory is used. He then attaches the assembly to the belt 15 by means of the snap fasteners 43, and also secures the ends 29 of the tape 30 to the ends 28 of the tape 26 by means of the snap fasteners 31, adjusting the length of the tapes 26, if necessary, by tying them, as at 27 through the loops 25. The device is then ready for use.

When fluids escape from the genito-urinary organs through the penis, they are absorbed by the gauze pad within the receptacle 13 and the shield 12 prevents leakage and consequent soiling of the clothing. The upper portions 45 and 39 can be detached from the portion 40 for medical inspection or urination merely by loosening the snap fasteners 41 and 44 (Figure 5), or the entire assembly may be dropped by separating the parts of the snap fastener 19 to separate the portions 17 and 18 of the belt 15. If the wearer desires additional support, the carrier portion 11 is attached to the belt 15 by means of the snap fasteners 21 and 24. The device may be changed for cleaning or replacement whenever necessary by completely detaching the assembly consisting of the shield 12 and receptacle 13, detaching the tapes 30 thereof at the snap fasteners 31, and replacing the used receptacle 13 with a fresh one. The tabs 42 assist the wearer in detaching the receptacle 13. The straps 30 may be shortened, if desired, by knotting them or self-fastening buckles (not shown) may be used. The device is useful not only in cases of prostatic weakness, but also in bladder trouble, surgical operations or in cases of venereal disease.

While I have shown and described the invention in detail, it is to be understood that the same is to be limited only by the appended claims, for many changes may be made without departing from the spirit and scope of my invention.

What I claim is:

1. A sanitary receptacle comprising a body-encircling belt, an outer flexible waterproof bag connected to and depending from said belt, and an inner flexible bag within said waterproof bag arranged to receive liquid-absorbing material, said inner bag having an organ-receiving aperture in the inner wall thereof, one of said bags having its opposite side edges open, and separable fasteners disposed between said open edges for releasably closing said open edges.

2. A sanitary receptacle comprising a body-encircling belt, an outer flexible waterproof bag connected to and depending from said belt, and an inner flexible bag within said waterproof bag arranged to receive liquid-absorbing material, said inner bag having an organ-receiving aperture in the inner wall thereof, both of said bags having their opposite side edges open, and separable fasteners disposed between said open edges for releasably closing said open edges.

3. A sanitary receptacle comprising a body-encircling belt, an outer flexible waterproof bag connected to and depending from said belt, an inner flexible bag within said waterproof bag arranged to receive liquid-absorbing material, said inner bag having an organ-receiving aperture in the inner wall thereof, and a suspensory removably connected to and depending from one of said bags.

4. A sanitary receptacle comprising a body-encircling belt an outer flexible waterproof bag connected to and depending from said belt, an inner flexible bag within said waterproof bag arranged to receive liquid-absorbing material, said inner bag having an organ-receiving aperture in the inner wall thereof, a suspensory removably connected to and depending from one of said bags, and separable connectors disposed between said suspensory and the bag to which it is connected.

5. A sanitary receptacle comprising a body-encircling belt, an outer flexible waterproof bag connected to and depending from said belt, an inner flexible bag within said waterproof bag arranged to receive liquid-absorbing material, said inner bag having an organ-receiving aperture in the inner wall thereof, and an elongated

flexible member connected intermediate its ends to said inner bag below said aperture therein and having leg encircling end portions connected to said belt.

6. A sanitary receptacle comprising a body-encircling belt, an outer flexible waterproof bag connected to and depending from said belt, an inner flexible bag within said waterproof bag arranged to receive liquid-absorbing material, said inner bag having an organ-receiving aperture in the inner wall thereof, and an elongated flexible member connected intermediate its ends to said inner bag below said aperture therein and having leg encircling end portions connected to said belt, said inner bag havings its opposite side edges open between said flexible member and the top edge of said inner bag.

7. A sanitary receptacle comprising a body-encircling belt, an outer flexible waterproof bag connected to and depending from said belt, an inner flexible bag within said waterproof bag arranged to receive liquid-absorbing material, said inner bag having an organ-receiving aperture in the inner wall thereof, an elongated flexible member connected intermediate its ends to said inner bag below said aperture therein and having leg encircling end portions connected to said belt, said inner bag havings its opposite side edges open between said flexible member and the top edge of said inner bag, and separable connectors disposed between said open edges for releasably closing said open edges.

8. A sanitary receptacle comprising a body-encircling belt, an outer flexible waterproof bag connected to and depending from said belt, an inner flexible bag within said waterproof bag arranged to receive liquid-absorbing material, said inner bag having an organ-receiving aperture in the inner wall thereof, and an elongated flexible member connected intermediate its ends to one of said bags and having leg encircling end portions connected to said belt, said belt having loops slidably mounted thereon connected to the ends of said flexible member.

9. A sanitary receptacle comprising a body-encircling belt, an outer flexible waterproof bag connected to and depending from said belt, an inner flexible bag within said waterproof bag arranged to receive liquid-absorbing material,

said inner bag having an organ-receiving aperture in the inner wall thereof, a shoulder strap structure having upper portions arranged to rest on the shoulders of the wearer and its lower ends disposed adjacent said belt, and separable fasteners disposed between said lower ends and said belt and separably interconnecting the same.

10. A sanitary receptacle comprising a body-encircling belt, an outer flexible waterproof bag having its outer upper edges connected to and depending from said belt, an inner flexible bag within said waterproof bag arranged to receive liquid-absorbing material, the upper edges of said inner bag being connected to and depending from said belt, said inner bag having an organ-receiving aperture in the inner wall thereof, and an elongated flexible leg encircling member interconnecting said inner bag and the rear portion of said belt, the inner upper edge of said outer bag being connected to said inner bag below said aperture.

11. A sanitary receptacle comprising a body-encircling belt, an outer flexible waterproof bag having its outer upper edges connected to and depending from said belt, an inner flexible bag within said waterproof bag arranged to receive liquid-absorbing material, the upper edges of said inner bag being connected to and depending from sad belt, said inner bag having an organ-receiving aperture in the inner wall thereof, an elongated flexible leg encircling member interconnecting said inner bag and the rear portion of said belt, the inner upper edge of said outer bag being connected to said inner bag below said aperture, and separable fasteners disposed between and interconnecting the upper edges of said bags and said belt.

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