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DOUCHE RECEPTACLE

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Fig. 1.

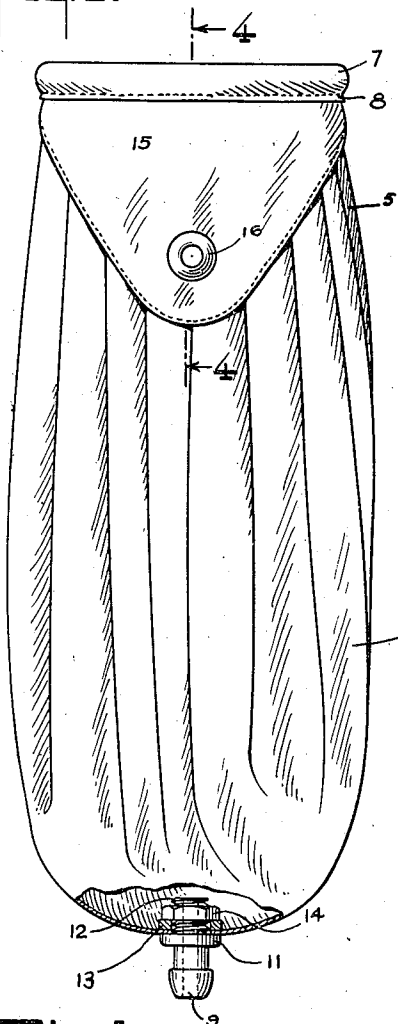


Fig. 3.

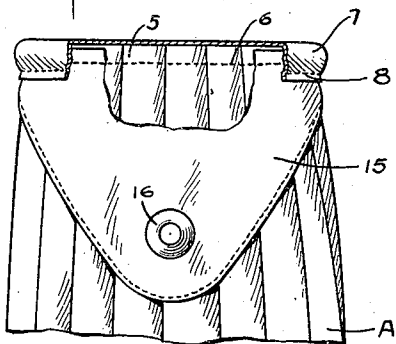


Fig. 2.

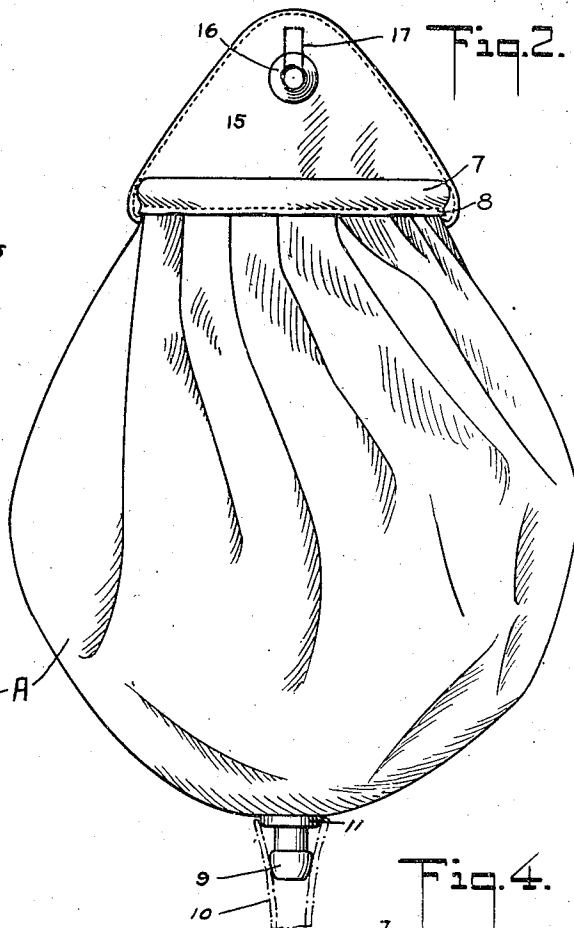
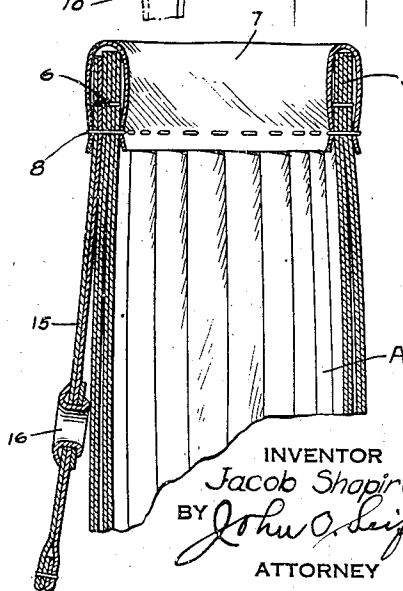


Fig. 4.



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DOUCHE RECEPTACLE

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2 Claims. (Cl. 128—227)

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This invention relates to irrigating douche appliances including a receptacle to contain liquid arranged to be suspended from a support and having an outlet member arranged for connection of one end of a flexible tube having a nozzle attached at the opposite end to direct a stream of liquid discharged from the receptacle through the tube to the nozzle, and relates particularly to an improved receptacle to contain liquid in douche appliances of this character.

In douche appliances of this character the liquid containing receptacle is of an open top rigid structure made of metal arranged with an opening or a perforated ear struck from the material thereof for engagement of means secured in a support to suspend the receptacle therefrom, or is made of rubber normally assuming a flat condition with opposite wall portions juxtaposed to each other and having a neck at the upper end midway the sides adapted for engagement of a stopper and arranged with a perforation or eyelet for engagement of means to suspend the same from a support. In both instances a tubular outlet member is provided in the lower or bottom portion of the receptacle adapted for expanding an end of a rubber tube thereover for connecting the tube in communication with the receptacle and the tube carrying a nozzle at the opposite end for directing a stream of liquid discharged from the receptacle through the tube. In either case the receptacle is cumbersome and inconvenient for storing with the result they are usually suspended from a support, as in a bath room, giving an unsightly appearance. Should the receptacle made of rubber be folded lengthwise upon itself against its inherent tendency to assume a flat condition and stored in such condition the material of the receptacle cracks and renders the same useless as a liquid containing receptacle in a short time.

It is the object of the invention to provide an improved liquid containing receptacle for douche appliances of this character made of water-proof material, such as rubber, or water-proofed fabric adapted to be collapsed into compact form to take up a minimum amount of space in storing the receptacle, or to be enclosed in an envelope preparatory to storing the same, and to provide a receptacle of this character which is simple and cheap in construction and highly efficient for the purpose intended.

It is another object of the invention to provide an improved receptacle for douche appliances of this character formed from a blank of water-proof material, such as rubber, or water-proofed

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fabric, preferably of circular form having a nipple secured in an opening centrally in the blank adapted for connecting a rubber tube thereto, and the blank shaped to receptacle or bag form by gathering together the marginal portion of the blank into pleats and secured in said condition by suitable means, as by stitching, and said pleated and secured together portions forming the receptacle mouth, and a binding member of pliable material engaged over the edge of and disposed at the inner and outer sides of the pleated mouth forming portion of the blank and secured thereto, as by stitching, and said member being of sufficient rigidity so that it may be grasped and the receptacle supported by the hand as liquid is filled into the receptacle and permit the receptacle mouth to be collapsed preparatory to storing the receptacle.

It is a further object of the invention to provide in a receptacle of this character a flap having a portion extending about and secured to the gathered together and pleated mouth forming portion of the receptacle in interposed relation thereto and the mouth reinforcing binding member, and said flap converging from the attaching portion lengthwise of and contiguous to the outer side of the body of the receptacle and adapted to be moved outwardly from the receptacle body and folded upon itself to position to project from the receptacle mouth and provided with an opening forming member for the engagement of means to suspend the receptacle from a support.

In the drawing accompanying and forming a part of this application Figure 1 is a side elevation of the receptacle showing the same in normal condition and partly in section to show the manner of connecting a nipple to the receptacle for connecting a nozzle carrying discharge tube thereto.

Figure 2 is an elevational view of the receptacle showing the form the receptacle assumes when liquid is filled therein and is suspended from a support.

Figure 3 is an elevational view of the mouth end portion of the receptacle partly broken away and in section to show the manner of securing the gathered together pleated mouth or throat forming portion of the receptacle blank and the securing of the suspending flap and mouth reinforcing member to the receptacle; and

Figure 4 is a sectional view taken on the line 4—4 of Figure 1 looking in the direction of the arrows.

In carrying out the invention there is provided

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a sheet of suitable flexible water-proof material, such as rubber, or water-proofed fabric, from which blanks, preferably of circular form, are severed. The marginal portion of the blank is gathered together and folded upon itself into pleats, as at 5, shaping the blank to bag form A, the pleats arranging the body of the bag of elongated form with the material of the pleats diverging from the pleated marginal portion toward the bottom of the bag, as shown in Figure 1. The gathered together or pleated portions of the bag are secured in said condition by suitable means, as by stitching, as shown at 6 in Figures 3 and 4, and forming a throat constituting the inlet or mouth of the receptacle through which to fill liquid into the receptacle. To reinforce and add rigidity to the pleated throat portion or mouth of the receptacle while maintaining the same flexible and pliable, a binding member 7, which may be made of the same material as the receptacle, and may comprise scraps of the sheet from which the receptacle forming blanks are severed, is engaged over the pleated throat portion in abutting relation to the edge thereof with portions disposed at the inner and outer sides of the pleats of the throat and secured thereto by suitable means, as by stitching 8. The reinforcing member may be of the same material as the receptacle forming blank and may comprise the portions of the sheet between the receptacle forming blanks.

The receptacle is provided centrally of the bottom with a tubular nipple 9 adapted for connecting one end of a tube of flexible material, such as rubber, in communication with the receptacle, as shown at 10, said tube having the usual nozzle connected to the opposite end for directing a stream of liquid discharged from the receptacle through the tube. The nipple is preferably connected centrally of the receptacle forming blank prior to shaping the same to bag form, and comprises a tubular member having an annular laterally extending flange 11 and a screw threaded portion 12 extended through and secured to the material of the blank about an opening therein by clamping the marginal portions about the opening between the flange 11 and a washer 13 engaged on the threaded end of said member and secured in clamping position by a nut 14 threaded onto the threaded end of said member at the outer side of the washer.

To provide the receptacle with means to suspend the same from a support and further reinforce the throat portion of the receptacle, a flap 15 of triangular shape and made from the same material as the receptacle and preferably consisting of two plies of juxtaposed material secured together by stitching at the marginal portions. An angle portion of the flap is disposed about the outer side of the throat forming pleats of the receptacle and is of a length to extend about the throat for more than one-half the circumference thereof and secured to the pleated throat portion by the stitching 6 securing the throat forming pleats in pleated condition, the flap normally extending from the portion at which it is attached to the receptacle longitudinally of and contiguous to the body of the receptacle, as shown in Figures 1 and 3. The flap 15 is disposed below the reinforcing member 7 and is also secured to the pleated throat of the receptacle by the stitching 8 securing the reinforcing member 7 thereto, as shown in Figure 3. The receptacle may be readily supported with the mouth end open and in substantially circular form preparatory to filling liquid into the recep-

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tacle by grasping the receptacle with the pointer and thumb of the hand extending about and embracing the outer side of the reinforcing member 7, or slightly below the same. To suspend the receptacle from a support the flap 15 is provided with an eyelet 16 adapted for engagement of a hook member 17 secured in a suitable support. Preparatory to engaging the eyelet upon the supporting hook the flap 15 is moved outwardly from the body of the receptacle and bent upon itself at the juncture thereof with the reinforcing member 7 to project outwardly from the receptacle mouth, as shown in Figure 2. The body of the receptacle with the liquid filled therein as it is suspended from the support is expanded by the weight of the liquid and assumes a position, for instance, as shown in Figure 2, and the force of the material of the receptacle resisting such expanding force exerting a force on the liquid in the receptacle to forcibly discharge the same from receptacle. Furthermore, by making the flap 15 of a size to extend about the throat of the receptacle for more than one-half the circumference thereof the suspending of the receptacle from the support 17 does not effect tilting of the receptacle mouth which would tend to spill liquid therefrom.

After use of the receptacle and the liquid has been emptied therefrom the suspending flap 15 is folded to normal position to lie contiguous to the body of the receptacle, as shown in Figure 1, the body of the receptacle tending to contract and assume its elongated pleated position, or it may be readily shaped to such form by the hand, and preparatory to storing the receptacle the receptacle mouth is collapsed by pressing together opposite wall portions when it can be stored in a relatively small space. Preparatory to storing the receptacle it may be inserted into an envelope of suitable material, such as water-proof fabric, the flap and body of which envelope may be provided with snap fastener members to retain the flap of the envelope closed.

Having described my invention, I claim:

1. A receptacle for an irrigating douche, comprising a sheet of flexible water-proof material shaped to bag form by gathering together into pleats the marginal portion of the sheet and secured in pleated condition by stitching to constitute the mouth of the bag, a flap juxtaposed to the outer side of the pleated mouth forming portion of the bag having a portion with the edge flush with the edge of the pleated portion extending about the mouth for more than one-half the circumference thereof and attached thereto by the stitching securing the mouth forming pleats, said flap arranged with an eyelet and adapted to be moved laterally from the body of the bag and folded upon itself to project outwardly from the mouth of the bag and the eyelet engage a support to suspend the bag therefrom, and a flexible tube connecting nipple secured in an opening in the bottom of the bag.

2. A receptacle for an irrigating douche appliance, comprising a sheet of flexible water-proof sheet material shaped to bag form by gathering together into pleats the marginal portion of the sheet and arranging the same to circular form to constitute the mouth of the bag, a flap arranged with an eyelet juxtaposed to and extending about the outer side of the pleated mouth forming portion with the edge thereof flush with the edge of the pleats, said flap secured to and the mouth forming pleats secured in pleated condition by stitching, a binding mem-

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ber of flexible material engaged over the edges of the pleated mouth forming portions and of the flap and secured thereto by stitching, said flap adapted to be moved laterally of the body of the bag and folded upon itself to project outwardly from the mouth of the bag and the eyelet engaged on a supporting member to suspend the bag therefrom, and a flexible tube connecting

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nipple secured in an opening in the bottom of the bag, the bag being adapted to be collapsed by pressing together opposite wall portions of the mouth and folding the body of the bag upon itself longitudinally relative to the pleats and arrange the receptacle to compact form for storing.

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