Jan. 31, 1928. 1,657,975

B. C. SHIELLS

PORTABLE URINAL BOTTLE

Filed May 7, 1927

Fig. 1.

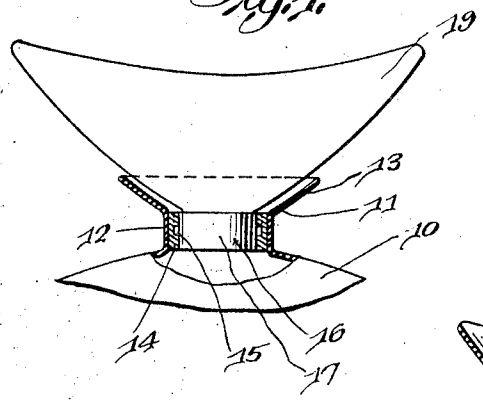


Fig. 4.

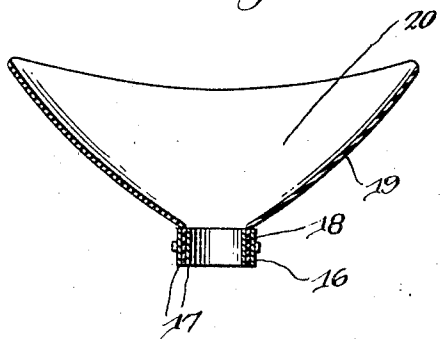


Fig. 2.

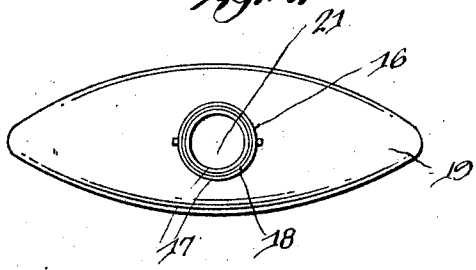


Fig. 5.

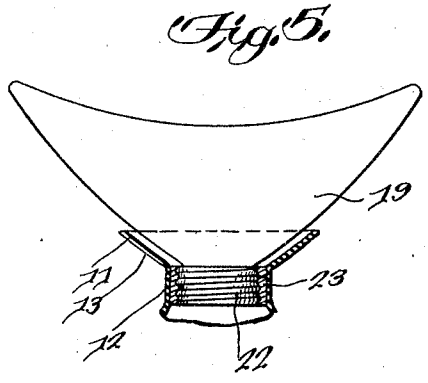
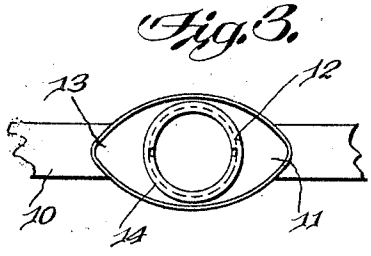


Fig. 3.



Blanche C. Shields
INVENTOR

BY Victor J. Evans
ATTORNEY

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UNITED STATES PATENT OFFICE.

BLANCHE C. SHIELLS, OF NEENAH, WISCONSIN.

PORTABLE URINAL BOTTLE.

Application filed May 7, 1927. Serial No. 189,659.

This invention relates to certain novel improvements in portable urinal bottles and has for its principal object the provision of an improved construction of this character which will be highly efficient in use and economical in manufacture.

Among the several objects of the invention is to provide a simple inexpensive convenient arrangement of parts for detachably connecting a selectively shaped funnel to the nipple of the ordinary hot water bag, now commercially in use.

Other objects will appear hereinafter.

The invention consists in the novel combination and arrangement of parts to be hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings, showing the preferred form of construction and in which:

Fig. 1 is a fragmentary part sectional detail view of a hot water bottle showing the invention associated therewith;

Fig. 2 is a bottom plan view of the same;

Fig. 3 is a top plan view of the same;

Fig. 4 is a transverse vertical sectional detail view of the invention; and

Fig. 5 is a sectional detail view similar to that illustrated in Fig. 1 but showing a slightly modified form of construction.

Referring to the drawings, Figs. 1 to 4 inclusive, a hot water bag is indicated at 10. This bag 10 includes a pouring guard 11 having a restrictive neck portion 12 and an outwardly flaring mouth 13.

Frictionally mounted in the restricted neck portion 12 is a collar 14 to which is detachably connected, through the medium of a bayonet and slot connection 15 a funnel supporting collar 16. This collar 16 includes inner and outer rings 17 and arranged between the rings is the tube portion 18. of a funnel 19. The inner ring of the collar 16 is of such diameter as will, when mounted in the position illustrated in Fig. 4, bind the tube portion 18 between the two rings of this collar in a manner to permit expeditious detachment between the collar 16 and the tube portion 18. The funnel 19 includes a mouth portion 20 which is of an elongated oval shape in plan view.

In associating the invention with the bag 10, the usual neck plug is removed and the collar 14 frictionally confined within the restricted neck 12. The funnel is connected to the collar 16 by disposing the tube portion 18 between the rings 17. The collar 16 when thus attached is ready to be detachably connected to the collar 14 through the medium of the bayonet and slot connection 15.

From the description herein set forth it will be manifest that the several parts embodying my invention can be expeditiously dis-assembled for sterilizing purposes.

The bag 10 is provided with the usual outlet plug 21.

In Fig. 5 I have illustrated a slightly modified form of construction and in this modified form of construction the tube portion 18 has formed thereon a thread bearing collar 22 which is adapted to be threaded into a collar 23, frictionally engaging in the restricted neck portion 12.

In this modified form of construction it will be manifest that the invention comprises few parts, thereby greatly facilitating the assembling and dis-assembling of the same.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification, without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

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

1. The combination with a bag including a neck portion, a collar arranged in the neck portion, a funnel including a tube portion, a collar including inner and outer members between which the tube portion is adapted to frictionally engage, and means for de-

tachably connecting said second mentioned collar to said first mentioned collar.

2. The combination with a bottle including a pouring guard having a restricted neck portion, a collar frictionally mounted in said neck portion, a funnel including a tube portion, a collar mounted for embracing relation with respect to the tube portion, a collar mounted within the tube portion for frictionally holding the tube portion between said last and said second mentioned collar, and bayonet and slot connections between said second mentioned collar and said first mentioned collar.

In testimony whereof I affix my signature.

BLANCHE C. SHIELLS.