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H. BASS
DOUCHING APPARATUS
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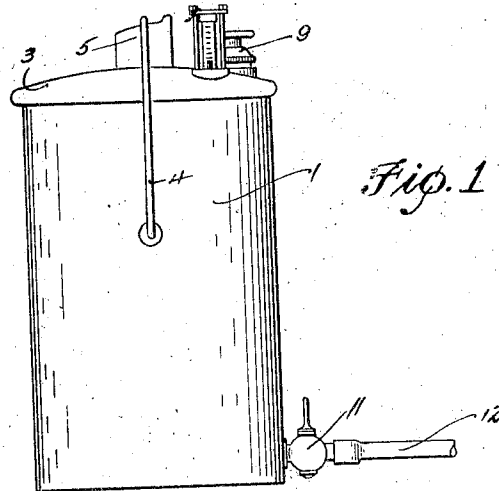


Fig. 1

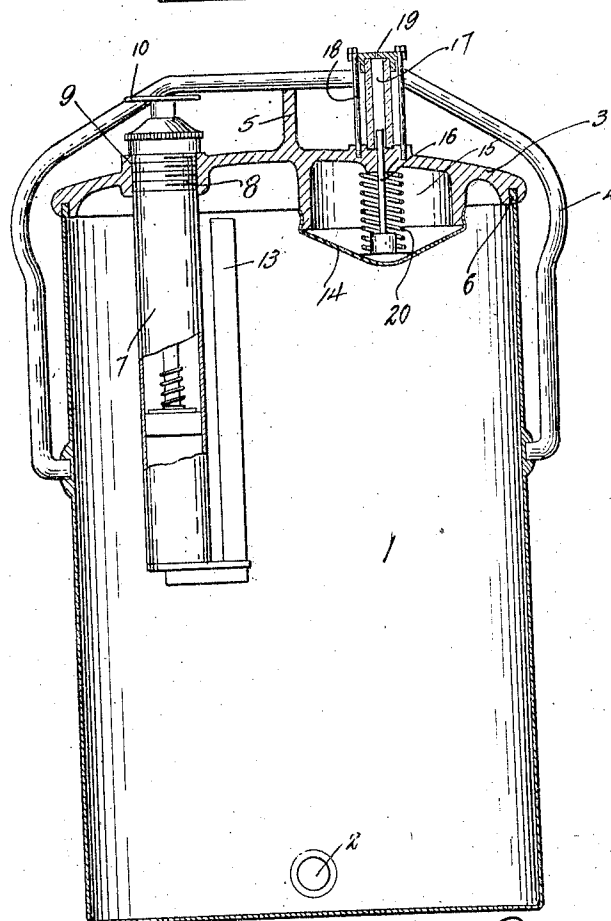


Fig. 2

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DOUCHING APPARATUS.

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This invention relates to improvements in douching apparatus and has for its principal object to provide a means whereby the liquid is discharged from the receptacle under pressure, thus obviating the necessity of having to support the receptacle in such a manner as to cause the contents thereof to be discharged therefrom by gravitation.

A further object of the invention is to provide a douching apparatus of the above mentioned character wherein a manually actuated pump is associated with the cover of the receptacle for creating a pressure in the top of the receptacle for feeding the contents of the receptacle outwardly therefrom, a gage being associated with the cover whereby the pressure in the receptacle may be readily ascertained.

A further object is to provide a douching apparatus of the above mentioned character, which is simple in construction, inexpensive, strong and durable and furthermore adapted for the purposes for which it is designated.

Other objects and advantages of this invention will become apparent during the course of the following description.

In the accompanying drawing forming a part of this specification and in which like numerals designate like parts throughout the same:

Figure 1 is a side elevation, and

Figure 2 is an enlarged vertical sectional view through the receptacle showing my invention associated with the cover thereof.

In the drawing wherein for the purpose of illustration is shown the preferred embodiment of my invention, the numeral 1 designates a substantially cylindrical open top receptacle, the same being provided with an outlet opening 2 adjacent the bottom thereof. A cover 3 is provided for the open top of the receptacle and the same is normally held in a sealed position thereon by means of the swing bail 4 which is pivotally supported at its respective ends at diametrically opposite points on the receptacle.

The intermediate portion of the bail is adapted for engagement with the locking cam 5 which extends upwardly from the central portion of the cover. A rubber sealing

ring 6 is also carried by the cover in the manner more clearly illustrated in Figure 2 of the drawing.

A hand operated pump of any well known construction is shown at 7 and the upper portion of the same is externally threaded at 8 whereby the same is supported in a suitable internally threaded opening 9 provided in the cover 3. The handle 10 of the pump 7 is disposed above the cover 3 whereby the pump may be easily and efficiently actuated for admitting compressed air to the interior of the upper portion of the receptacle 1 whereby a pressure will be applied to the liquid contents of the receptacle to permit the same to flow easily through the outlet 2 when the valve 11 is open and through the discharge tube or hose 12. The air outlet of the pump 7 is shown at 13 and is so arranged as to cause the air to be discharged from the pump under compression into the top of the receptacle as is obvious from the construction shown in Figure 2.

An air gage is associated with the cover 3 whereby the amount of air pressure within the receptacle may be readily ascertained. The air gage includes a diaphragm 14 which is supported around the lower portion of the annular flange 15, the latter depending from the cover 3. A plunger 16 is associated with the diaphragm 14 and the upper end of the plunger extends upwardly through a suitable opening provided in the cover 3 and into a graduated glass tube 17 which is supported on the cover 3 by the fastening bolts 18, the heads of which extend through a cap 19 provided for the upper portion of the glass tube. A coil spring 20 encircles the plunger rod 16 and is disposed between the diaphragm and the cover as clearly illustrated in Figure 2.

While I have shown the preferred embodiment of my invention, it is to be understood that various changes in the size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention and the scope of the appended claim.

Having thus described the invention, what I claim is:—

In combination, a cover for a receptacle,

an annular flange on the bottom side of the cover, a diaphragm stretched across the bottom of said flange, a rod slidable through the cover and provided with a head engageable with the diaphragm, a spring disposed about the rod and tensioned to hold said head in engagement with the diaphragm and to hold said diaphragm flexed outwardly of the annular flange, a transparent tube on the exterior of the cover for receiving the rod, and means for holding said tube in place. 10

In testimony whereof I affix my signature.

HELEN BASS.