F. M. ASHE.

DISPENSING CAN.

APPLICATION FILED NOV. 16, 1907.

945,362.

Patented Jan. 4, 1910.

Fig. 2.

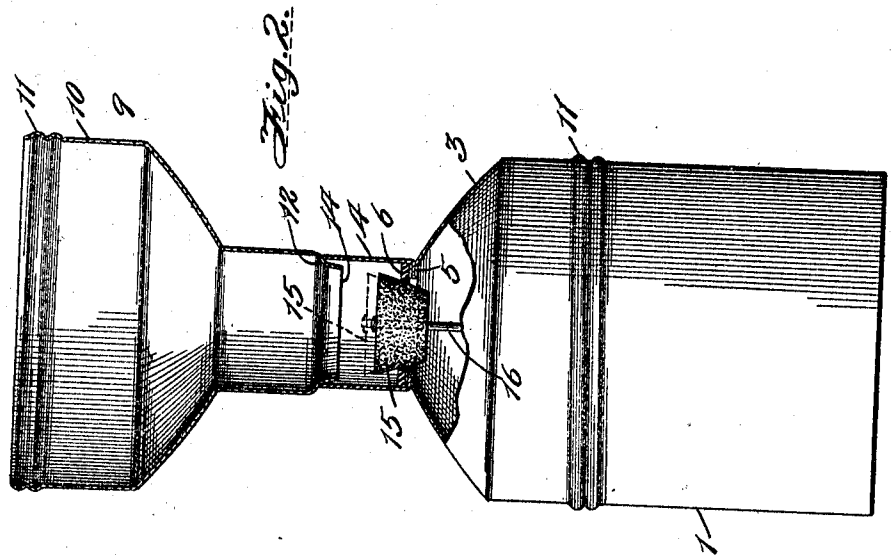


Fig. 3.

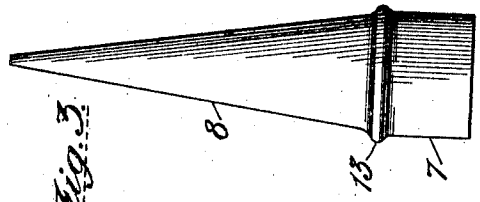
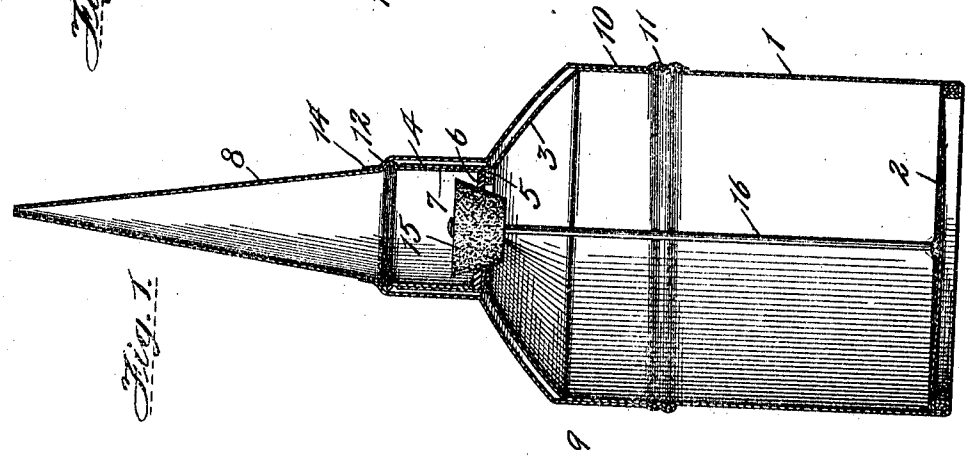


Fig. 1.



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UNITED STATES PATENT OFFICE.

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DISPENSING-CAN.

945,362. Specification of Letters Patent. Patented Jan. 4, 1910.

Application filed November 16, 1907. Serial No. 402,381.

To all whom it may concern:

Be it known that I, FRED M. ASHE, a citizen of the United States, residing at Tarkio, in the county of Atchison and State of Missouri, have invented certain new and useful Improvements in Dispensing-Cans, of which the following is a specification.

One of the objects of this invention is the provision, in a dispensing can having a spout that is removable to permit of filling the can, of improved means for forming a fluid-tight connection between the spout and the can body.

Another object is the provision, in a dispensing can of the character just mentioned, of means for forming a strong connection between the spout and the can body.

A further object is to provide a dispensing can comprising a section which may be used as a funnel when the can is to be filled.

The invention also relates to the other improvements in dispensing cans hereinafter set forth.

In the accompanying drawings, Figure 1 is a vertical central section through a dispensing can embodying the features of my invention. Fig. 2 is a view showing one of the can-sections arranged for use as a filling funnel. Fig. 3 is a view of the spout section.

In the embodiment selected for illustration, the body 1 of the can is substantially cylindrical and is provided with a flexible bottom 2 and a breast 3. Centrally of the breast 3 is a tubular vertically-extending neck 4 provided at its lower end with an inwardly-extending annular flange 5. The connection between the parts 3 and 4 and that between the bottom and the cylindrical walls of the can body may be formed in any common or approved manner. An annular packing ring 6 of leather or other suitable material is placed upon the flange 5.

The neck 4 receives the cylindrical lower portion 7 of the spout 8, said spout resting upon the packing ring 6. The spout may be of any form suited to the material to be dispensed. The spout is removably secured to the can body by means of a funnel-shape section 9 having a cylindrical portion 10 adapted to fit over the upper part of the cylindrical walls of the can body 1 and be secured thereto by means of a screw-thread connection. As herein shown, the cylindrical walls of the can body and the cylindrical portion 10 of the section 9 have corresponding screw-threads 11 formed therein. The upper part of the section 9 is contracted in diameter to fit around the neck 7 and has an annular shoulder 12 thereon adapted to engage an annular bead 13 formed upon the spout 8. Above the shoulder 12 the section 9 is extended in the flange 14, which flange may be of any suitable height and diameter. It will be seen that the section 9 provides a strong, reinforced connection between the spout and the can body. When the section 9 is screwed down, it draws the spout into liquid-tight contact with the gasket 6.

To prevent leakage in case the can should be accidentally overturned, I provide a valve member 15 of conical or any other suitable form, which member is adapted to be seated upon the packing ring 6. The valve member 15 is connected with the spring bottom 2 by means of a rod 16.

In use, the bottom 2 is flexed by pressing thereon to unseat the valve member 15 and permit the flow of the liquid through the spout 8. When the can is to be filled the section 9 is unscrewed, the spout 8 lifted out of the neck 7, and the section 9 inverted and placed upon the neck, in which position said section 9 is adapted to serve as a filling funnel.

It is evident that various changes may be made in the embodiment herein shown without departing from the spirit and scope of my invention, therefore no undue limitation should be understood from the foregoing detailed description.

I claim as my invention:

1. A dispensing can comprising a can body having a neck and an annular inwardly extending flange at the lower end of said neck; a spout fitting within said neck, said spout having an annular shoulder thereon; and a funnel section having a screw-thread connection with the can body, and an annular shoulder adapted to engage the shoulder on said spout, said funnel section being arranged to clamp said spout against said flange.

2. A dispensing can comprising a can body having a neck and an annular inwardly-extending flange at the lower end of said neck; a packing ring resting on said flange; a spout having a portion adapted to

fit within said neck and bear upon said ring, said spout having an annular shoulder thereon; and a section comprising a cylindrical portion having a screw-thread connection with the cylindrical can body, and a contracted portion adapted to fit around said neck, said contracted portion having an annular shoulder adapted to engage the shoulder on said spout, said section being arranged to draw said spout into fluid-tight contact with said packing ring.

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Witnesses:
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