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(54) **Valve Actuator-Cover
Assemblies for Pressurized
Containers**

(57) A dispenser-valve-actuator for a
pressurized dispenser has a cover 4

superimposed. An annular metal ring
2 integral with the dispenser 1 is
retained by ribs 6 inside a wall 5 to
form an assembly which takes up little
space and can be transported to point
of use without the possibility of
damaging guarantee seals.

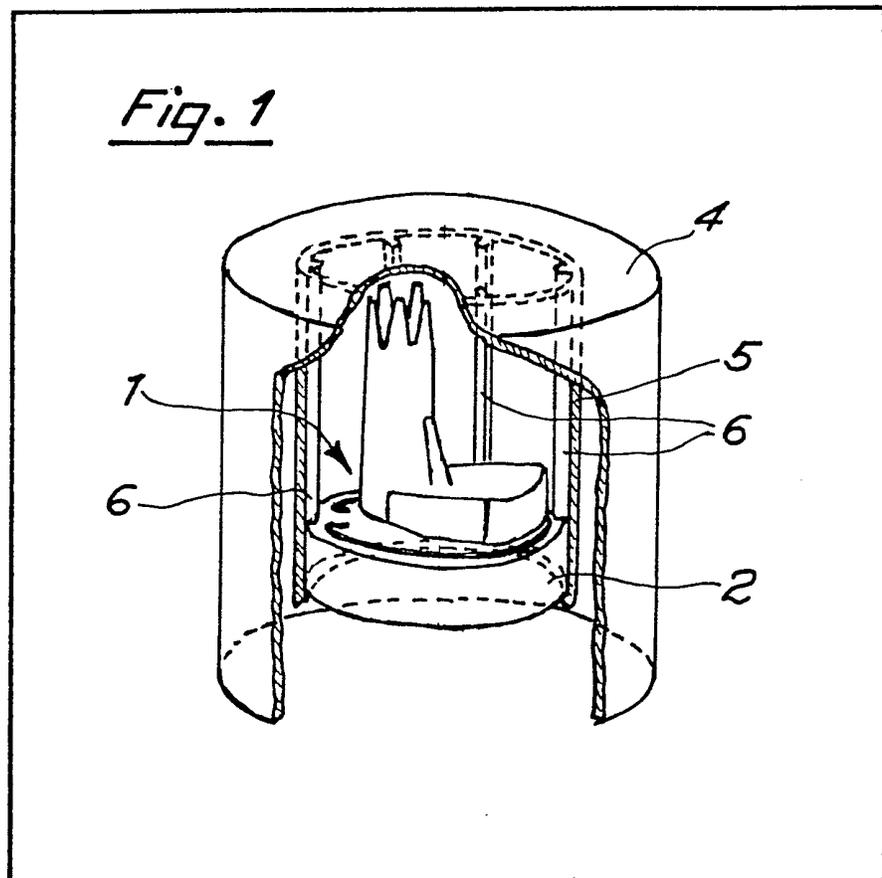


Fig. 1

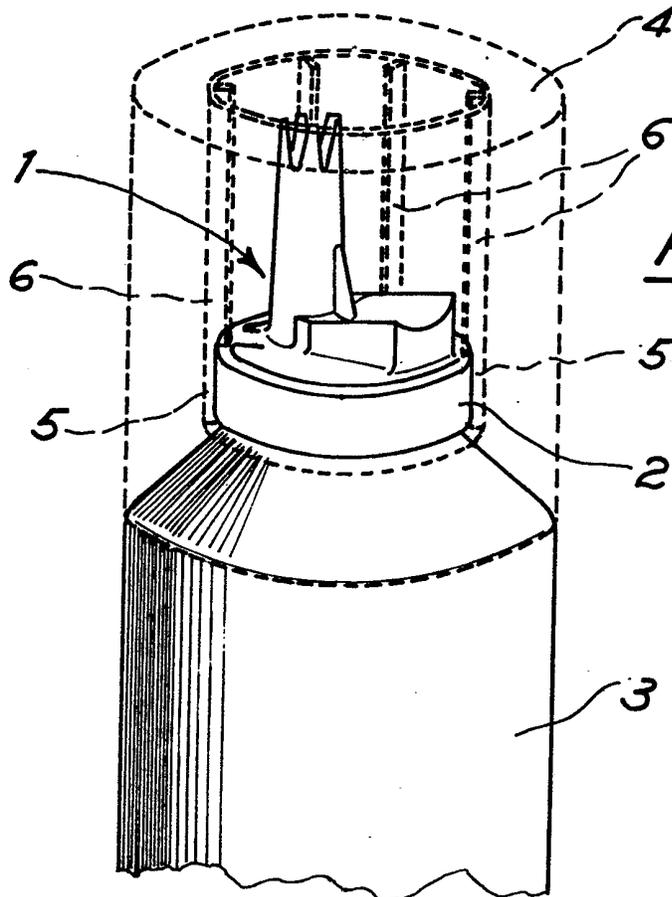
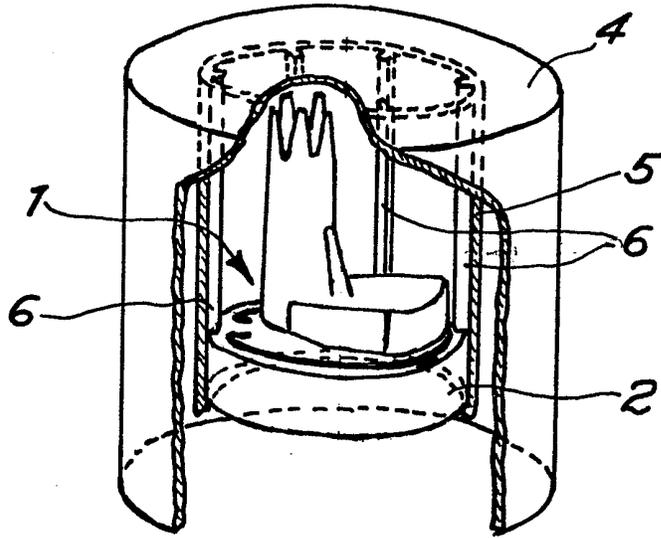


Fig. 2

SPECIFICATION

Dispenser-Cover Assemblies for Pressurized Containers

The invention relates to a dispenser-cover assembly for a pressurized container, that is for a container storing under pressure a substance that can be dispensed through a manually operable valve. The dispenser is enclosed and protected by a cover which is generally mounted on the container after the dispenser has been applied thereto.

An assembly according to the invention comprises an annular ring, integral with the dispenser, for connection to a base of the valve, and elements extending from the cover to define a guide surface in which the annular ring can be forced or received and retained. The elements preferably comprise ribs extending from the cover for bearing on the outer free edge of the ring to restrict its translation in the guide surface. The dispenser is preferably connected to the ring by breakable guarantee tongues or seals for avoiding fraudulent dispensing of the substance stored in the container.

A dispenser-cover according to the invention occupies a small volume, and can be transported and applied to a pressurized container at the place of use without any possibility of rupturing any guarantee tongue or seal with which the dispenser may be provided.

Drawings

Figure 1 is a perspective view of a dispenser mounted within a cover, a portion of the latter being broken away to show the dispenser; and

Figure 2 shows by dotted line a cover superimposed on a dispenser applied to a container of a pressurized substance.

The dispenser 1 is integral with an annular metal ring 2 which is connected to a base of a valve (not shown for the sake of clarity) mounted on a container 3 storing a pressurized substance. The dispenser comprises a movable part operable by a finger, which may be connected to the metal ring 2 by breakable tongues forming a guarantee seal. A cover 4 comprises a wall 5 having a shaped inner surface in which the metal ring 2 is forced or received and retained. Ribs 6 also are part of the cover 4, the ribs 6 extending internally of the guide surface 5 and being so dimensioned as to bear on the free edge of metal ring 2 without interfering with the movable part of the dispenser.

After separate manufacture of the dispenser and cover, still at the manufacturing site, the dispenser is inserted into the cover by sliding the

metal ring 2 inside the guide surface 5 until the edge of metal ring 2 stops against the edges of ribs 6. Under these conditions, the assembly comprising the dispenser and cover can be easily transported, only occupying the volume defined by the cover 4, since the dispenser is fully within the cover.

At the use location, when applying the dispenser 1 to the container 3, a user only needs to push the cover 4, having the dispenser therein, over the valve mounted on the container. During this pushing of the dispenser 1 (carried out by cover 4) only the ribs 6 are effectively on the metal ring 2, until connected to the bottom of the valve mounted on the container, without ever acting on the movable part of the dispenser, and thus avoiding any possible rupture of the guarantee seals which may be provided between said metal ring 2 and movable part of the dispenser.

Thus, the assembly of the dispenser is simple and rapidly effected. After the dispenser has been connected to the valve bottom, and is accordingly slightly outwardly deformed, the cover 4 can be firmly retained against the metal ring 2 by simple friction, because the metal ring 2 presses against the cover guide surface 5. The guide surface 5 may comprise a slightly tapered continuous surface, or a series of ribs parallel to one another, for example. The ribs 6 may be inwardly projecting teeth or fingers, and the cover may be of any desired shape.

Claims

1. A dispenser-cover assembly for a pressurized container, comprising a dispenser applicable to a control valve for dispensing a substance stored in a pressurized container, a cover superimposed on the dispenser, an annular ring integral with the dispenser, for connection to a base of the valve, and elements extending from the cover to define a guide surface in which the annular ring can be forced or received and retained.

2. A dispenser-cover according to claim 1 in which the elements comprise ribs extending from the cover for bearing on the outer free edge of the ring to restrict its translation in the guide surface.

3. A dispenser-cover according to claim 1 or claim 2 in which the annular ring is of metal.

4. A dispenser-cover assembly according to any preceding claim in which the dispenser is connected to the ring by breakable guarantee tongues.

5. A dispenser-cover assembly as herein described with reference to the drawings.