

Oct. 23, 1956

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2,767,889

DISPENSING CAPS OR COVERS

Filed July 12, 1955

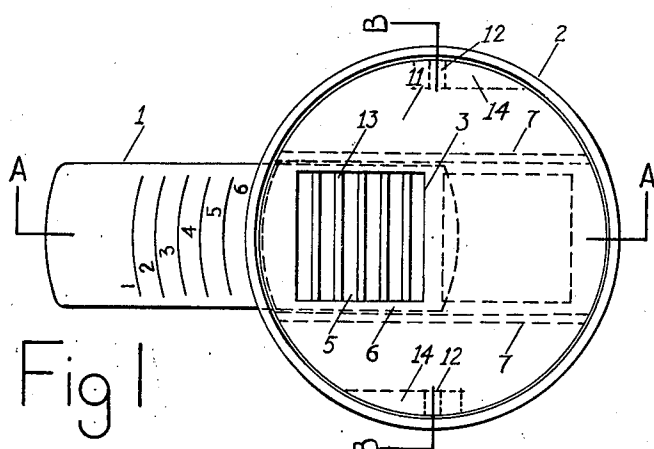


Fig 1

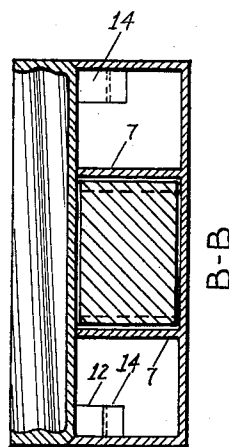


Fig 4

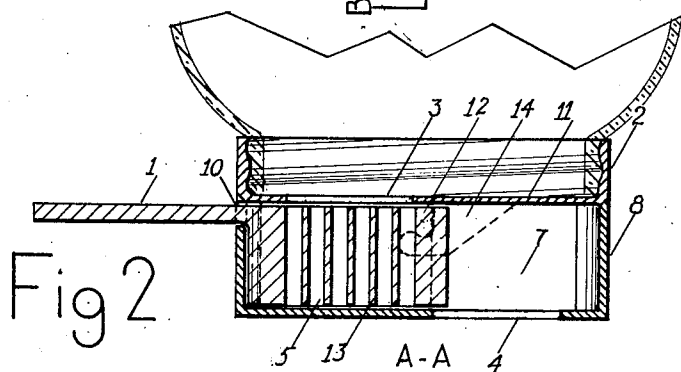


Fig 2

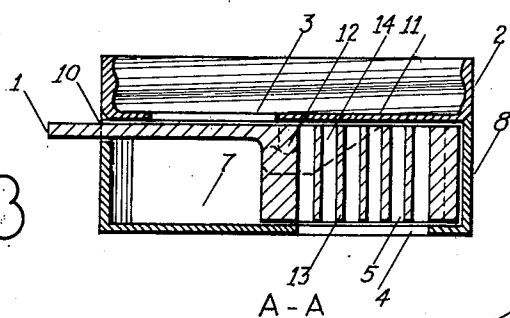
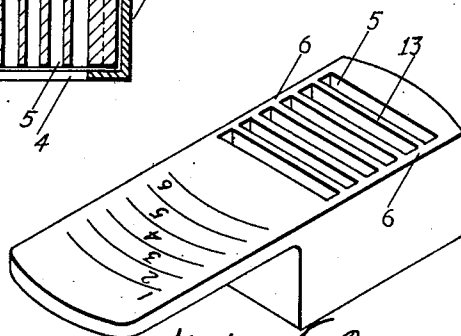


Fig 3

Fig 5



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2,767,889

DISPENSING CAPS OR COVERS

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Application July 12, 1955, Serial No. 521,473

2 Claims. (Cl. 222—284)

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My invention relates to improvements in dispensing caps or covers. Such improvement being the design and construction of a movable dispensing member being horizontally disposed to a jar or container, when held in an inverted or dispensing position.

Further improvement being that the present invention provides for consistently accurate dispensing of a selected amount of finely divided or granular material such as coffee, tea, sugar, or instant coffee. This invention relates to dispensing of instant coffee however it is not restricted to instant coffee. Such material may be received and dispensed without removal of cap from container.

It is a further object of the present invention to provide a sanitary tight closure for the container, which can remain attached to the container until the contents are exhausted. The present invention provides for simultaneous closure of container with the dispensing operation.

It is anticipated that the present invention be fabricated of a material such as plastic, having three sections which may be easily disassembled for cleansing.

With the foregoing description and objects in view, and such embodiment and description of the present invention as may be disclosed in the following description and specification, it being understood that such embodiment as here portrayed and described may be changed when not departing from the intent and spirit of the present invention.

With regard to the drawings—

Fig. 1 is a plan view taken from the inner side of the cap with dispensing member in receiving position.

Fig. 2 is a longitudinal cross section of the present invention attached to a suitable jar or container, being inverted, and portraying the material dispensing member in the receiving position.

Fig. 3 is a longitudinal cross section of Fig. 1 portraying the material dispensing member in the dispensing position.

Fig. 4 is a transverse cross section through the cap or cover (Fig. 1).

Fig. 5 is an isometric view portraying the dispensing member with a plurality of bottomless openings with two common sides.

With reference to the drawings: all reference to upper and lower section are with the cap or cover inverted. The upper section 2 is provided with a suitable means of attachment to the container. In this instance a thread is indicated for attachment to a standard 6 oz. coffee jar. The upper section 2 has an outlet 3 which allows for the receiving of the material by gravity to the series of bottomless openings 5 which are contained by the common sides 6.

The upper section 2 has L-shaped locks 12 which provide for joining of the upper section 2 and the lower section 8 by a twisting motion of the two sections. The opening 3 is a rectangular shape and aligns with the series

of bottomless openings 5 of the movable member. The number of openings so aligned is determined by movement of the cutoff 1 of the movable member. The cutoff 1 has suitable graduations on either side allowing for selection in either upright or inverted position. The desired selection is indicated by the graduation at the point of entry 10 of the cutoff slide 1 into the cap or cover. That part of outlet 3 which is not opened for receiving is covered by the cutoff 1. The cutoff 1 completely closes outlet 3 when dispensing member is moved by hand to dispensing position Fig. 3.

The lower section 8 has fittings 14 for reception of locks from section 2. Section 8 also provides guides 7 which are centrally disposed in the cap or cover and snugly guide the movable member. Section 8 has a rectangular outlet 4 through which the material is dispensed by gravity when the dispensing member is moved to dispensing position Fig. 3 and the series of bottomless openings 5 align with outlet 4. The dispensing member is snugly held in the cap or cover by guides 7, bottom side 11 of upper section 2 and bottom part of lower section 8.

The dispensing member is formed of a single unit having a cutoff slide 1 with graduated markings on either side; further, having a plurality of bottomless openings 5 which are formed by a series of regularly spaced transverse members 13 which are parallel and have two common sides 6.

Thus it is shown that the movable member is snugly contained in the cap or cover by 11, guides 7 and outer part of cover 8. By gravity material is received through outlet 3 by the plurality of bottomless openings 5. Such material is transferred by hand movement of cutoff 1 to outlet 4 and dispensed. Simultaneously the cutoff 1 closes outlet 3 and the container is sealed. A suitable cover has been designed for outlet 4 when container is upright in stored position, but not shown here, not being an operable part of the actual dispensing operation.

The present invention in the present embodiment contains no screws or bolts and will occupy no more space than the container itself with a standard closure.

My claims are:

1. A dispensing device of the character described, comprising a cap member adapted to be detachably secured to a container mouth, said cap member having spaced inner and outer walls formed with offset inlet and outlet openings in said respective walls, a guide channel formed between said walls communicatable with said inlet and outlet openings, a multiple compartment measuring member slidably disposed in said guide channel for predetermined positioning for communication with one or more compartments and said inlet opening when in one position, and said predetermined number of compartments being registrable with said outlet opening when said measuring member is moved to the opposite end of said guide channel to dispense the predetermined amount of material from said container, and an operating cutoff bar secured to the inlet end of said measuring chamber and extending through and beyond the side wall of said cap member.

2. The subject matter as claimed in claim 1, and indicia on the surface of said cutoff bar indicating the amount of material being trapped and dispensed.

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