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E. S. RAYMOND & W. W. FRASER.

SELF MEASURING CORK.

APPLICATION FILED JULY 20, 1905.

Fig. 1.

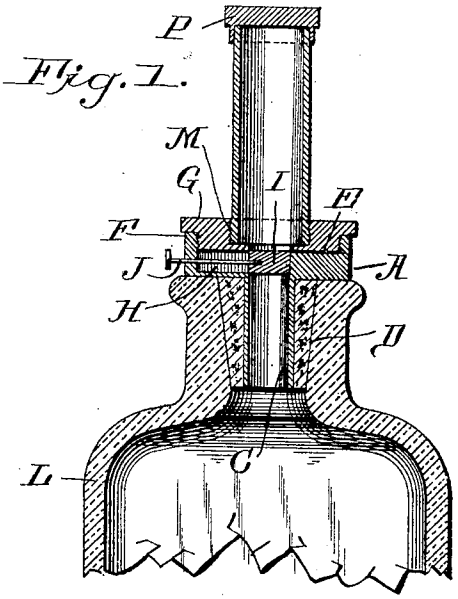


Fig. 2.

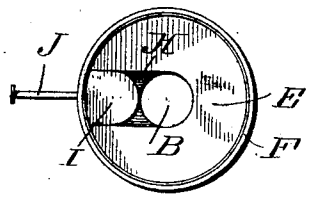
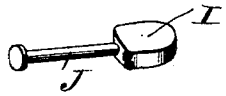


Fig. 4.



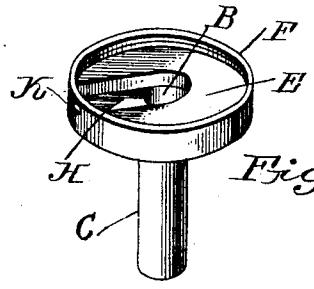
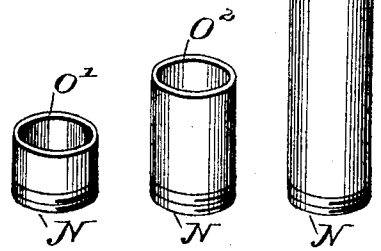


Fig. 3.

Fig. 5.



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SELF-MEASURING CORK.

No. 805,380. Specification of Letters Patent. Patented Nov. 21, 1905.

Application filed July 20, 1905. Serial No. 270,532.

To all whom it may concern:

Be it known that we, EDWIN S. RAYMOND and WILLIAM W. FRASER, citizens of the United States, and residents of Denver, in the county of Denver and State of Colorado, have invented a new and Improved Self-Measuring Cork, of which the following is a specification.

Our invention relates to measuring stoppers or corks for bottles or like vessels; and the object had in view is a device of that character affording in itself the ready measuring of medicine in tea, dessert, or table spoonful.

The invention consists in the peculiar, novel, and useful measuring-cork hereinafter fully described, and shown by the accompanying drawings, the novel features being pointed out in the claims.

In the drawings, Figure 1 is a central vertical sectional view through our improved measuring cork or stopper and with the same illustrated inserted in the mouth of a sectional fragmentary portion of a bottle. Fig. 2 is a detail top plan view of the valved or cutting-off portion of the device. Fig. 3 is a perspective of the device referred to in the description of Fig. 2. Fig. 4 is a perspective view of the valve or cut-off slide; and Fig. 5 shows detached view of the vessels or cylinders intended for use in measuring tea, dessert, and table spoonful of the medicine.

In carrying out our invention we employ an annular body portion A, having a central opening or throat B, and with the latter providing passage-way through a tubular neck C, depending from the under side of the body portion A. On the neck we arrange a cork or other material bushing or collar D, having exterior shape adapted for effective stopping of the bottle-mouth, as will be understood. The upper surface E of the body portion A is surrounded by a projecting flange F and with the latter forming a screw-threaded socket adapted for the reception of a centrally countersunk and perforated screw-cap G.

In the upper side of the body portion A we provide a guideway H, in which to arrange the valve or cut-off slide I. The valve-guideway is constructed extending from the opening B to a point suitably within the wall of the flange F, substantially as shown by Figs. 1, 2, and 3. A stem J is attached to the valve, and the same arranged extending through an opening K (see Fig. 3) in the flange or outer wall F of the body portion A. It will be understood that the valve I is intended to be constructed for effectively closing the opening or throat B against passage from the bottle of material in the form of powder or liquid. The bottle is indicated in Fig. 1 by the reference character L.

The countersunk portion of the cap G is internally screw-threaded, as at M, adapted for the reception of the lower screw-threaded ends N of the tubes or vessels O′ O^2 O^3, according to the quantity of material or dose to be measured. One or all of the tubes O′ O^2 O^3 may be constructed of glass and be provided with required graduations on its lengthwise surface, thereby adapting same for measuring fractional portions of a spoonful of the medicine. A cap P is provided for closing the upper end of either of the tubes O′ O^2 O^3, and its use will be described farther on.

Our improved measuring-cork may be constructed of metal, rubber, or other suitable material, and we do not desire to be restricted to the particular form of the several parts illustrated in our drawings.

The construction of our invention will be understood from the above description. With a measuring cork or stopper constructed according to our invention the medicine may be taken direct from the bottle and at the same time in proper measured doses, as prescribed, without the use of a spoon or other similar serving vessel.

Our novel measuring cork or stopper is particularly useful to persons traveling on cars, as the jolting or vibrations thereof render it extremely difficult, if not impossible, to measure medicine with a spoon.

With our invention where it is desired to administer medicine the proper tube O′, O^2, or O^3 is screwed into the cap G and its cap P arranged, closing the open end of the tube, as will be understood upon reference to Fig. 1. The bottle is then turned mouth downward and the valve or slide I drawn backwardly, uncovering the throat or opening B. Obviously with the bottle reversed and with an open passage-way thus formed the medicine will flow down, completely filling the measuring-tube. The valve is now adjusted to cutting-off position by pressure applied to the projecting end of its stem and the bottle turned to upward position of its mouth. The medicine being thus measured, it may be taken by simply removing the cap P and pouring it direct from the measuring-tube into the mouth.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. A self-measuring stopper consisting of a body portion, having a tubular plug or cork depending from its under side, the body portion having an opening or throat in direct communication with the passage-way through the tubular plug, a valve in the body portion whereby the latter's opening or throat may be closed, a measuring-tube upon the body portion, with its lower open end over said opening or throat, and a detachable cap for closing the upper end of the measuring-tube, substantially as described.

2. The combination in a measuring-cork, of a body portion having a removable cap, a tubular plug depending from the body portion, the body portion, plug and removable cap having a free passage-way therethrough, a valve whereby to open or close said passage-way, a measuring-tube on the cap portion, in receiving line with said passage-way, and a cap for closure of the upper end of the measuring-tube, substantially as described.

3. The combination in a measuring-cork, employing a body portion having an inner suitable guideway, an opening or throat and a tubular depending plug, of a valve in said guideway having a projecting stem, and a tube on the body portion whereby to measure material in prescribed doses, substantially as described.

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