W. H. KETLER.

POISON BOTTLE INDICATOR.

APPLICATION FILED MAR. 19, 1917.

1,245,736. Patented Nov. 6, 1917.

Fig. 1.

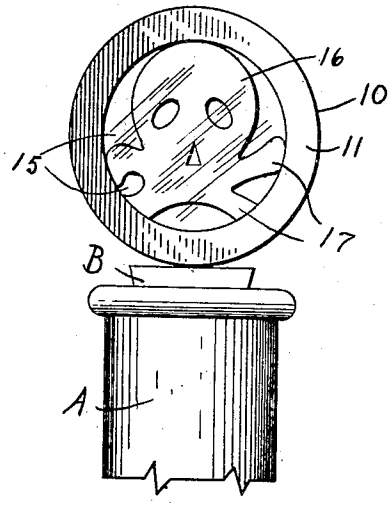


Fig. 2.

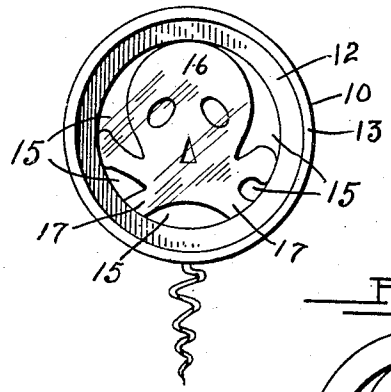


Fig. 3.

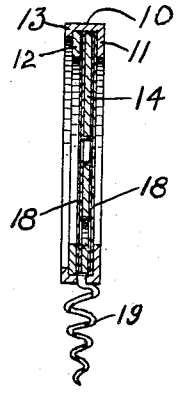


Fig. 4.

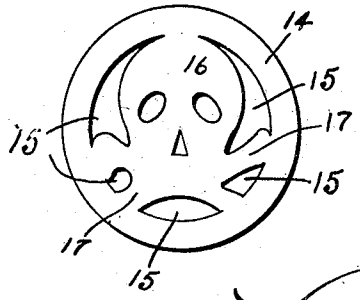
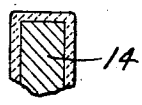


Fig. 5



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UNITED STATES PATENT OFFICE.

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POISON-BOTTLE INDICATOR.

1,245,736. Specification of Letters Patent. **Patented Nov. 6, 1917.**

Application filed March 19, 1917. Serial No. 155,834.

To all whom it may concern:

Be it known that I, WILLIAM H. KETLER, a citizen of the United States, and a resident of Camden, in the county of Camden and State of New Jersey, have invented a certain new and useful Improvement in Poison-Bottle Indicators, of which the following is a specification.

The present invention relates to an indicator, particularly in the form of a tag or label, and has for an object to provide a device of this character which is particularly adapted for attachment to packages, bottles and the like.

The invention further aims at the provision of an indicator particularly adapted for poison bottles, and embodies certain features to enable the reading or sighting of the indicator in the light or dark, and also by touch when attempt is made to remove the stopper from the bottle.

The invention has for a further object to provide an indicator or tag of this character which has a body portion coated with a luminous paint, or the like, adapted to be visible in the dark, and which is provided with means for protecting the coating against contact with the fingers and other objects during the handling of the bottle and the removal of the stopper therefrom.

The above, and various other objects and advantages of this invention will be in part described, and in part understood, from the following detailed description of the present preferred embodiment the same being illustrated in the accompanying drawing wherein:

Figure 1 is a front elevation of the indicator as applied to the stopper of a bottle, the latter being shown fragmentarily.

Fig. 2 is an opposite side elevation of the indicator removed from the stopper of the bottle.

Fig. 3 is a vertical transverse section taken through the indicator.

Fig. 4 is a detail plan view of the body member or disk of the indicator.

Fig. 5 is a detail, enlarged, sectional view through the indicator disk or body portion, showing the coating applied to the same.

Referring to this drawing, A designates the neck of a bottle, and B the stopper, plug, cork or the like which is usually employed for closing the neck A.

The indicator comprises a cylindrical flat casing 10 having a preferable integral wall 11 at one side thereof with a relatively large central opening therethrough adapted to expose the interior of the casing and providing about the opening an inturned marginal flange. The opposite side of the casing 10 is open and is adapted to receive therein the elements which are carried in the casing, the latter being confined in the casing by the provision of a retaining ring 12 fitting in the open side of the casing and being held in place by an inturned or crimped flange 13 formed upon the said opposite open side of the casing.

The body portion of the indicator is in the form of a disk or body plate 14 adapted to fit snugly in the casing 10, and being stamped or otherwise suitably formed with openings 15 forming the disk 14 into a marginal inclosing continuous ring with integrally connected configurations, such as a skull 16, and cross-bones 17. It is of course understood that the disk 14 may be stamped to provide any suitable configuration at its intermediate portions, and that for the purpose of indicating a poison bottle, the usual cross-bones and skull are employed.

The disk or body plate 14 is immersed, or otherwise suitably provided with a coating of luminous paint, or the like, adapted to stand out prominently in the dark and thus indicate the configuration arranged within the inclosing ring. Fitted in the casing 10 against the opposite sides of the disk 14 are transparent panes 18, of mica or the like, adapted to protect the luminous coating on the opposite sides of the disk 14 and prevent contact thereof with the fingers and other objects with which the indicator is brought into contact during the handling of the same, such as in removing the stopper B.

When the indicator is to be applied to the stopper B, the casing 10 is provided with a suitable attaching element 19, disclosed in the present instance as substantially of cork-screw form, the element 19 tapering from its base at the casing 10 to its point. This element 19 is so formed to provide a substantial and firm hold in the cork B to rigidly and effectively support the indicator in upright position, and admit of the grasping of the indicator for drawing the stopper B out of the neck A.

It is of course understood that various attaching means 19 may be employed for se-

curing the indicator to stoppers of various forms, and also to packages and other like articles to which particular attention is adapted to be drawn.

It is of course understood that various changes and modifications may be made in the details of construction of the above-specifically described indicator without departing from the spirit of this invention, and being restricted only by the scope of the following claims.

I claim:—

1. In an indicator, the combination of a disk provided with configurations stamped in the body thereof, means for supporting the disk, a luminous coating applied to the opposite sides of the disk, and means for protecting said coating.

2. In an indicator, the combination of a casing, a disk fitting in said casing, a coating of luminous paint applied to the opposite sides of the disk and being visible through the opposite ends of the casing, and supporting means for the casing.

3. In an indicator, the combination of a casing, means for supporting the casing, a disk fitting in the casing, a luminous coating applied to the opposite sides of the disk, and transparent panes fitting in the casing at the opposite sides of the disk to protect the coating, said casing being open at its opposite sides to admit of the observance of the disk in the casing.

4. In an indicator, the combination of a casing, means for supporting the casing, a disk fitting in the casing and having openings therein forming desired configurations in the body of the disk, a luminous coating for the disk to illuminate the configurations in the dark, and transparent panes fitted in the opposite sides of the casing for protecting the disk.

5. In a poison bottle indicator, the combination of a casing open at opposite sides, cork-engaging means carried by the casing for supporting the indicator, a disk fitting in the casing, a luminous coating applied to the opposite sides of the disk for illuminating the same, transparent panes fitting in the casing against the opposite sides of the disk to protect the coating thereon, and means carried by the casing for retaining the disk and the transparent panes in the casing.

6. In a poison bottle indicator, the combination of a casing provided with an inturned flange at one side and an inwardly extending flange at its opposite side, a disk fitting in the casing having openings therein providing configurations of a skull and cross-bones visible at the opposite sides of the disk, a luminous coating applied to the opposite sides of the disk for illuminating the configurations in the dark, transparent panes fitting against the opposite sides of the disk for protecting the coating thereof, one of said transparent panes fitting against the said inturned flange of the casing, a retaining ring fitting in the opposite end of the casing beneath said crimped flange and against the adjacent transparent pane, and a cork screw secured to said casing for engagement in the stopper of a bottle to support the indicator in upright position on the bottle.

WILLIAM H. KETLER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."