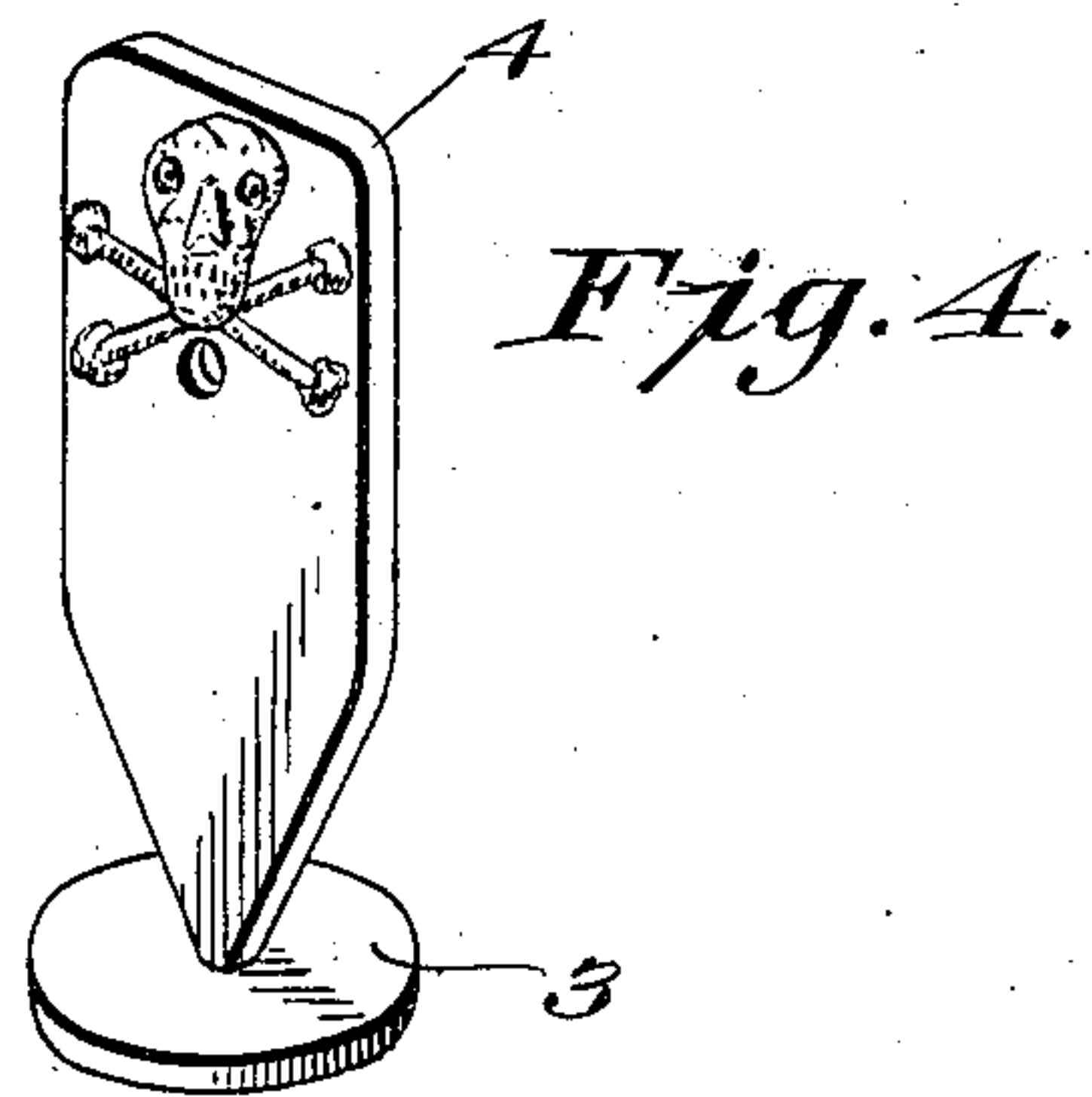
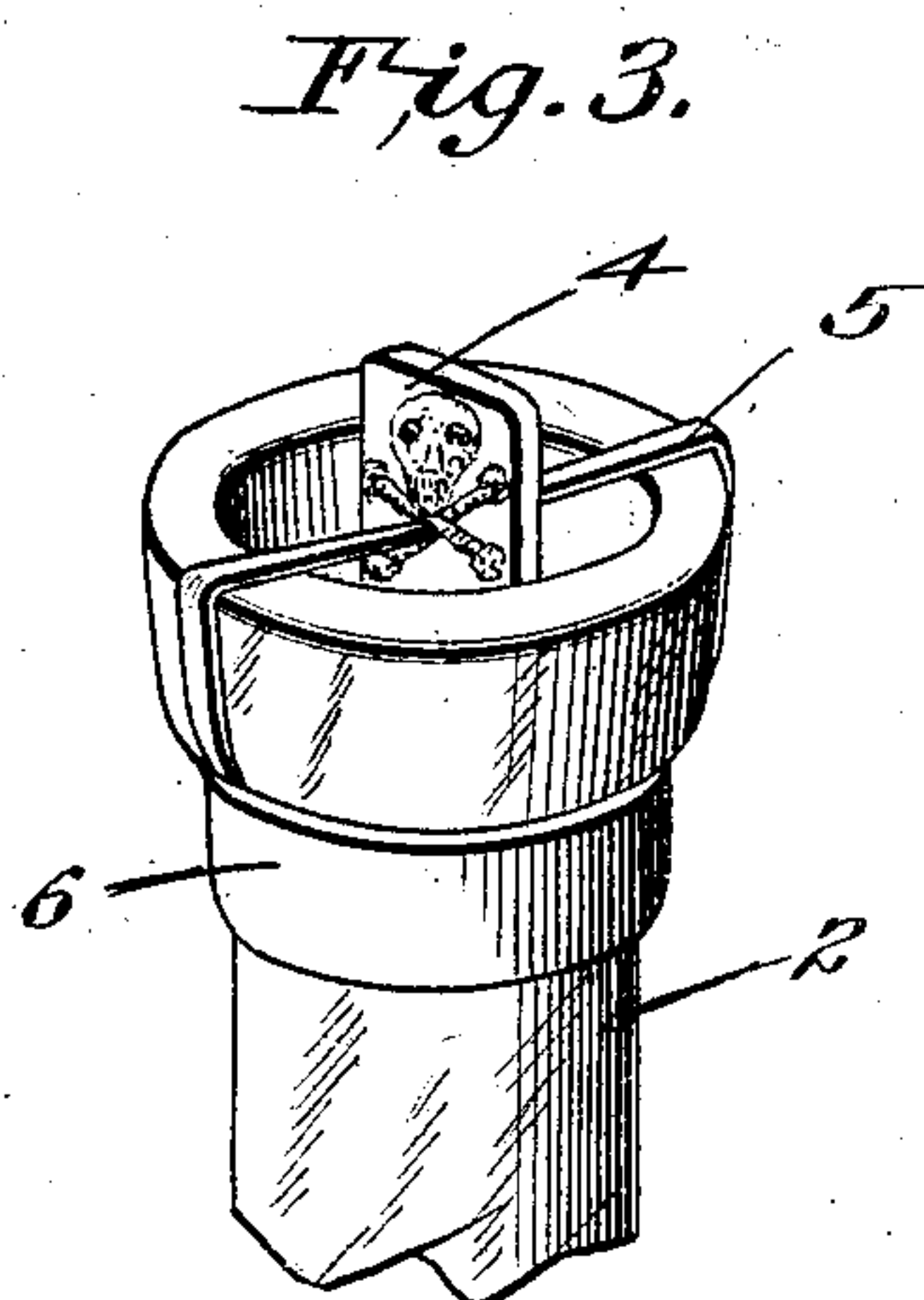
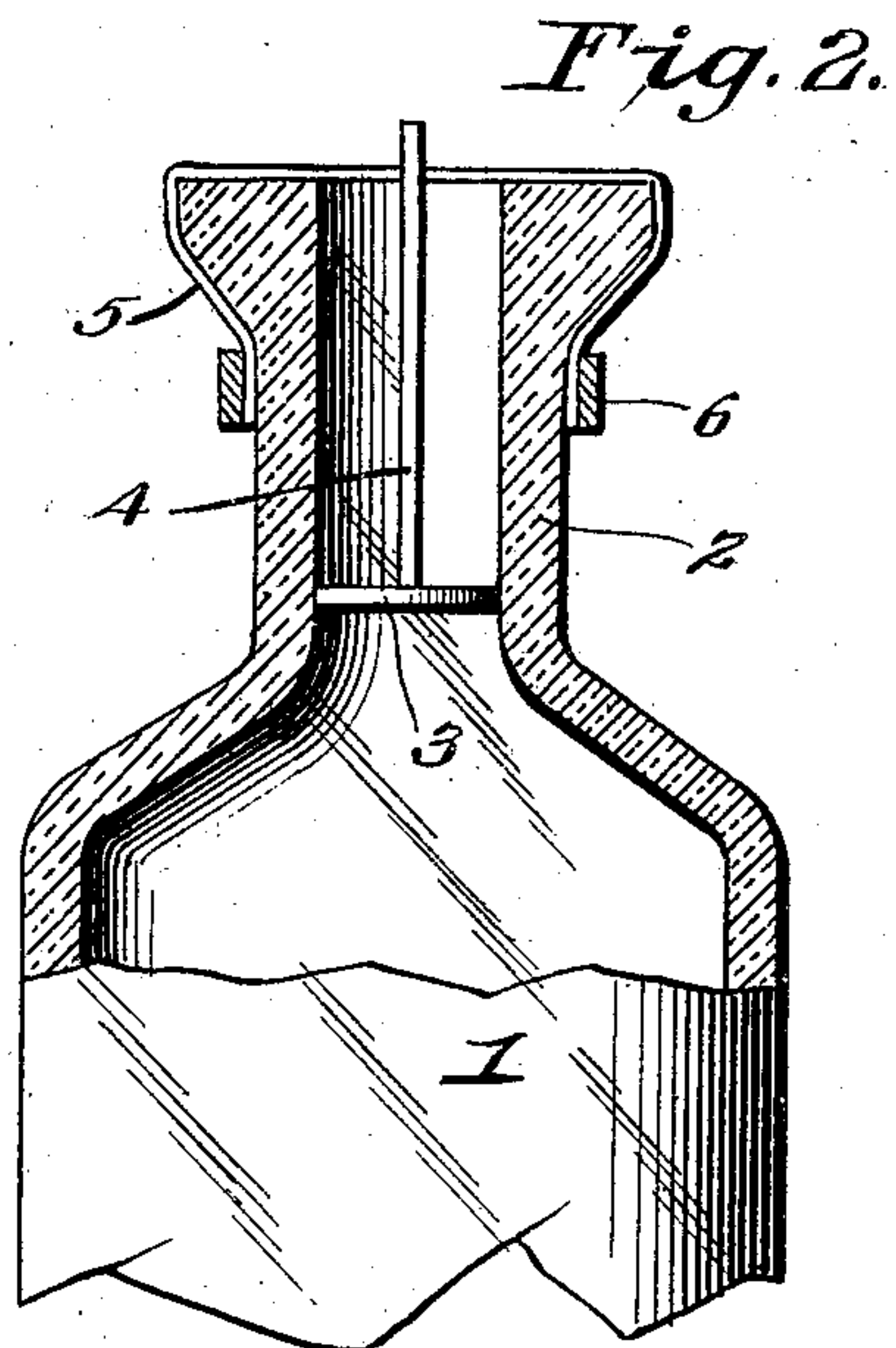
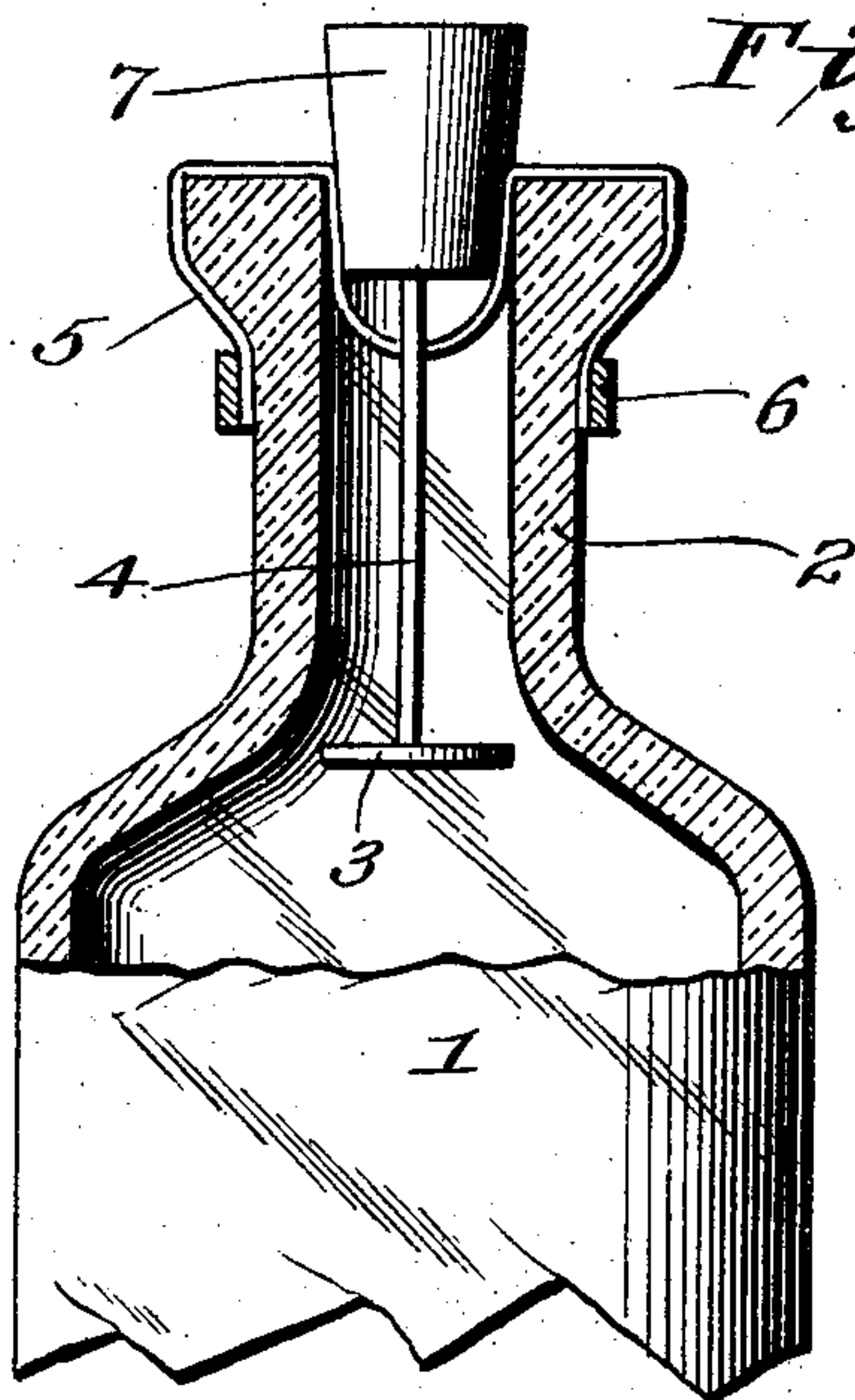


No. 879,740.

PATENTED FEB. 18, 1908.

G. COHEN.
POISON INDICATOR.
APPLICATION FILED APR. 11, 1907.



Witnesses
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UNITED STATES PATENT OFFICE.

GEORGE COHEN, OF JAMESTOWN, NEW YORK.

POISON-INDICATOR.

No. 879,740.

Specification of Letters Patent.

Patented Feb. 18, 1908.

Application filed April 11, 1907. Serial No. 367,644.

To all whom it may concern:

Be it known that I, GEORGE COHEN, citizen of the United States, residing at Jamestown, in the county of Chautauqua and State of New York, have invented certain new and useful Improvements in Poison-Indicators, of which the following is a specification.

The present invention relates to a novel attachment for bottles and the like for preventing accidents due to taking poison or poisonous medicines unintentionally or by mistake, and resides in the provision of a peculiar mechanism for warning a person of the dangerous nature of the contents of the bottle.

One of the objects of the invention is to provide an indicator attachment of this nature which is simple in its construction and which operates to prevent withdrawal of the contents of the bottle without the operator first observing the indicator and properly manipulating the same.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction and the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a vertical sectional view through a bottle having the indicator applied thereto. Fig. 2 is a similar view with the stopper removed. Fig. 3 is a perspective view of the bottle neck with the stopper removed. Fig. 4 is a detail view of the indicator.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Broadly speaking the invention consists in the provision of a peculiarly designed valve mechanism which is mounted within the neck of the bottle and which is automatically closed upon the withdrawal of the stopper, thereby necessitating proper manipulation by the operator before the contents of the bottle can be removed.

Specifically describing the present embodiment of the invention the numeral 1 designates a bottle which is provided with the usual neck portion 2. Located within the bottle 1 and designed to be seated against the base of the neck portion thereof and to effectively close the outlet of the bottle is a disk or valve 3. This disk 3 may be formed of any suitable material but is preferably of a

resilient nature so as to readily accommodate itself to small inequalities in the surface against which it rests. Carried by the valve 3 is a poison indicator which is in the nature of a stem 4 extending through the neck 2 and designed to project beyond the mouth thereof when the valve is seated so as to close the outlet opening. The projecting end of the indicator 4 is suitably marked in any desired manner as with a skull and cross bones to indicate the nature of the contents. An elastic strip 5 extends across the mouth of the bottle and engages the indicator stem 4 in such a manner as to normally draw the same outwardly and seat the valve 3 against the base of the bottle neck. In the present instance this elastic strip 5 is shown as passing through an opening in the stem 4 and as being secured to a band 6 surrounding the exterior portion of the bottle neck.

A stopper 7 of the conventional construction is employed to close the mouth of the bottle, and when in position this stopper presses the indicator stem 4 inwardly, thereby stretching the elastic strip 5 and causing the valve 3 to move away from its seat. As soon as the stopper 7 is removed however the elastic strip 5 resumes its normal position, drawing the stem 4 outwardly and seating the valve 3 against the base of the neck 2 in such a manner as to prevent the withdrawal of the contents of the bottle. At the same time the extremity of the indicator stem 4 is caused to project beyond the mouth of the bottle and the skull and cross bones or other markings thereon exposed to view.

In order to withdraw the liquid from the bottle it is necessary to press inwardly upon the extremity of the indicator stem 4 and to unseat the valve 3, when the contents can be withdrawn in the usual manner by tilting the bottle.

With this construction the bottle is safeguarded at night as well as in the day, since the operator cannot under any circumstances obtain any of the poisonous liquid without observing the stem 4 and pressing inwardly upon the same to operate the valve mechanism.

Having thus described the invention, what is claimed as new is:

1. In a device of the character described, the combination of a necked receptacle, an indicator stem yieldably mounted within the neck and normally projecting beyond the same, and a removable stopper for the recep-

tacle designed to hold the indicator stem within the neck when in position.

2. In a device of the character described, the combination of a necked receptacle, a valve operating to close the outlet of the receptacle, an elastic strip normally holding the valve in an operative position, a stopper, and indicator means carried by the valve and engaging the stopper for the purpose specified.

3. In a device of the character described, the combination of a necked receptacle, a valve operating to close the outlet of the receptacle, an indicator stem carried by the valve and extending through the neck, an elastic strip extending transversely across the neck and engaging the indicator stem, the said elastic strip cooperating with the indicator stem to hold the valve yieldingly upon its seat, and a removable stopper engaging the stem and holding the valve away from its seat when in position.

4. In a device of the character described, the combination of a necked receptacle, a valve operating to close the outlet of the receptacle, a stem carried by the valve and extending through the neck, the said stem projecting beyond the mouth of the bottle when the valve is seated and the projecting end of the stem being marked to indicate the contents of the bottle, an elastic strip extending transversely across the neck and engaging the stem to normally seat the valve, and a stopper engaging the stem whereby

the valve is held against the action of the elastic strip when the stopper is in position.

5. In a device of the character described, the combination of a necked receptacle, a disk located within the receptacle and designed to bear against the base of the neck to close the outlet opening, an indicator stem carried by the disk and extending through the neck, the extremity of the stem projecting beyond the neck of the bottle when the valve is seated and being suitably marked to indicate the contents of the bottle, an elastic strip extending transversely across the mouth of the bottle and engaging the stem to hold the valve normally in a seated position, and a stopper engaging the stem whereby the disk is held against the action of the elastic strip when the stopper is in position.

6. In a device of the character described, the combination of a necked receptacle, a valve operating to close the outlet of the receptacle, an indicator carried by the valve and yieldably mounted within the neck, a portion of the indicator normally projecting beyond the mouth of the receptacle, and a stopper holding the indicator within the neck when in position.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE COHEN. [L. S.]

Witnesses:

ROBERT K. BEACH,
Mrs. GEO. COHEN.