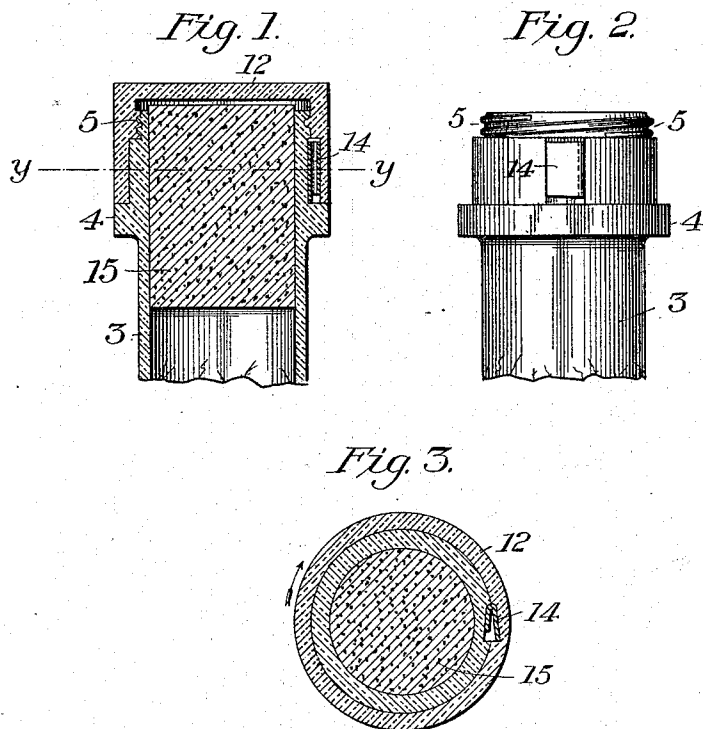


(No Model.)

M. ROSENSTOCK.
BOTTLE.

No. 573,484.

Patented Dec. 22, 1896.



Witnesses.

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MORITZ ROSENSTOCK, OF NEW YORK, N. Y.

BOTTLE.

SPECIFICATION forming part of Letters Patent No. 573,484, dated December 22, 1896.

Application filed June 19, 1895. Serial No. 553,292. (No model.)

To all whom it may concern:

Be it known that I, MORITZ ROSENSTOCK, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Bottles, of which the following is a specification.

My invention relates to bottles; and it consists of certain novel parts and combinations of parts particularly pointed out in the claims concluding this specification.

In the accompanying drawings, Figure 1 is a longitudinal section through the neck of a bottle with a cap permanently attached thereto. Fig. 2 is an elevation of the said neck, the cap being removed; and Fig. 3 is a horizontal section on the line *yy*, Fig. 1.

The following is a description of the structures shown in the accompanying drawings, which illustrate my invention applied in a form which is at present preferred by me; but it will be understood that various modifications and changes may be made without departing from the spirit of my invention and without exceeding the scope of the concluding claims.

Referring to Fig. 2, 3 is the neck of a bottle, 4 a flange, and 5 a screw-thread above the flange. On the side of the neck is a depression forming a seat for a V-shaped spring 14. (See also Fig. 3.)

In Fig. 1 I have shown such a bottle provided with a cap which when once fixed in place cannot be removed without breaking it.

Referring to Fig. 1, 15 is a cork with which the neck of the bottle is stopped. 12 is a cap provided with an internal screw-thread arranged to engage with the screw-thread 5 and with an internal depression at one side corresponding with the seat for the spring 14 on the neck of the bottle. The spring 14 and this depression act as a pawl and ratchet, permitting the cap to be screwed down home, but preventing revolution in the opposite direction. When it is screwed home, the spring or ratchet 14 is concealed and cannot be tampered with, for the lower edge of the cover then abuts against the upper side of the flange 4. Any number of depressions or ratchet-teeth may be provided on the cap, but generally one will be sufficient. The outer limb of the V-shaped spring may be made, as shown,

shorter than the inner limb, in which case the spring cannot be compressed or tampered with, even if the lower edge of the cap does not make a tight joint with the flange 4 or the seat for the pawl and ratchet-tooth do not register accurately. Instead of the engaging screw-threads a bayonet-joint or equivalent device might be substituted.

The cap 12 (shown in Fig. 1) is preferably also made of glass, and may be provided with a suitable design or label or trade-mark indicating the origin of the goods. Access to the cork 15 can only be gained by breaking this cap, thus insuring the genuineness of the contents of the bottle.

The presence of the plain surface on the neck of the bottle between the flange 4 and the screw-thread 5 enables a person assembling the parts to hold the pawl in position in its seat by slipping the cap part way down before it is revolved, and this greatly facilitates the assembling of the parts. It also permits the cap to be brought home and permanently secured with only one complete revolution or less of the cap, and it insures the threads engaging or coupling in the proper way with certainty when the parts are being assembled.

It is obvious that any other attachments besides that shown, as, for example, a device to prevent refilling it, may be permanently fixed to a bottle by the same or equivalent means.

Many of the details and combinations illustrated and above described are not essential to my invention, broadly considered. All this will be indicated in the concluding claims, where the omission of an element or the omission of reference to the detail features of the elements mentioned is intended to be a formal declaration of the fact that the omitted elements or features are not essential to the inventions therein severally covered.

What I claim is—

1. The combination with the neck of the bottle, of a flange thereon, a screw-thread, or equivalent device, on the neck above the flange, a cap secured to the outside of the neck, the lower edge of which, when in place, abuts against the said flange, and a pawl-and-ratchet connection between the neck and said attachment, the throw of the pawl being less than the depth of the flange so that the

cap is permanently secured, substantially as described.

2. The combination with the neck of a bottle, of a flange thereon, a screw-thread, or
5 equivalent device, and a plain surface provided with a depression, both on the neck above the flange, a cap secured to the outside of said neck, the lower edge of which, when in place, abuts against the said flange, and a
10 pawl-and-ratchet connection between the plain surface of the neck and said cap, substantially as described.

3. The combination with the neck of a bottle, of a flange thereon, a screw-thread, or

equivalent device, on the neck above the flange, an attachment secured to the outside of the neck of said bottle, the lower edge of which, when in place, abuts against said flange, and a pawl-and-ratchet connection between the neck and said attachment, the pawl being narrower than its ratchet, so that it cannot be tampered with when the lower edge of the attachment is out of contact with the flange, substantially as described.

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Witnesses:

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