C. A. HUNT, Jr.

BOTTLE STOPPER.

APPLICATION FILED MAR. 23, 1908.

905,431. Patented Dec. 1, 1908.

Fig. 1.

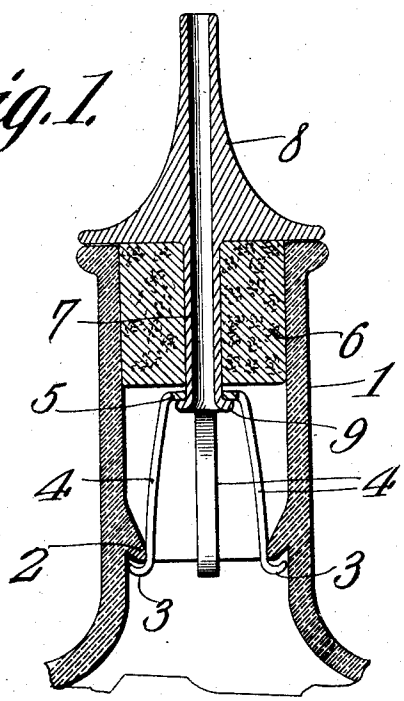
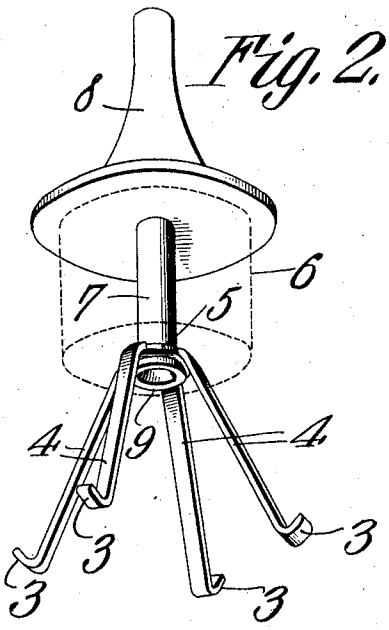


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

CHARLES A. HUNT, JR., OF LEXINGTON, NORTH CAROLINA.

BOTTLE-STOPPER.

No. 905,431. Specification of Letters Patent. Patented Dec. 1, 1908.

Application filed March 23, 1908. Serial No. 422,726.

To all whom it may concern:

Be it known that I, CHARLES A. HUNT, JR., a citizen of the United States, residing at Lexington, in the county of Davidson and State of North Carolina, have invented a new and useful Bottle-Stopper, of which the following is a specification.

This invention relates generally to bottle-stoppers.

As will hereinafter appear, the improvements of the present invention could be employed in connection with beer or liquor bottles, but in the present instance they are intended more particularly for application to those forms of bottles adapted for containing catsup or sauces, the fluidity of which is less than that of spirituous or malt liquors.

The object of the present invention is to provide a stopper which shall be capable of insertion within the neck of a bottle, but which will be positively held against removal therefrom without such force being applied thereto as would tend to disfigure it, and thus supply visual proof that an unlawful attempt had been made to refill the bottle.

With the above and other objects in view, as will appear as the nature of the invention is better understood, the same consists in the novel construction and combination of parts of a bottle stopper, as will be hereinafter fully described and claimed.

In the accompanying drawings forming a part of this specification, and in which like characters of reference indicate corresponding parts, Figure 1 is a vertical sectional view through the neck portion of a bottle, showing one of the improved stoppers positioned therein. Fig. 2 is a perspective detail view of the device shown in Fig. 1, the cork or stopper being shown in dotted lines.

In the form of the invention shown in Figs. 1 and 2, 1 designates the neck of an ordinary bottle, which is provided interiorly, and at any preferred point intermediate of its ends, with a circumferential undercut rib 2 that is preferably integral with the neck. This rib is adapted to be engaged by the hooked terminals 3 of a plurality of spring arms 4 that are carried by an annulus 5, and are preferably integral therewith, the annulus, arms and hooked terminals 3 constituting the stopper locking member.

The stopper 6, which may be of cork, or any other suitable substance, is provided with a centrally disposed orifice, in which is fitted the hollow shank 7 of a nipple or nozzle 8, the base of which is substantially commensurate in diameter with the mouth of the bottle neck and bears thereon. The shank is of somewhat greater length than the stopper in order to permit it to project through the annulus 5 and to be upset or flared at 9, and thereby positively secure the locking member against disconnection.

As shown in Fig. 2, the arms 4 normally diverge from the shank, and this will cause the terminals 3 automatically to spring into engagement with the rib 2 when the stopper is positioned, and thereby effect the assemblage of the closure and the bottle neck.

I claim:—

As a new article of manufacture, a bottle stopper embodying a closure, a nipple or nozzle having a hollow shank projecting through the closure, an annulus fitting upon the inner end of the shank and held in place thereon by flaring the same, and resilient arms carried by the annulus and provided with hooked terminals.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

CHARLES A. HUNT, JR.

Witnesses:

H. W. BORING,

J. C. GRIMES.