

(No Model.)

J. R. HARE.

MEANS FOR PREVENTING FRAUDULENT USE OF EMPTY BOTTLES.

No. 552,321.

Patented Dec. 31, 1895.

Fig 1.

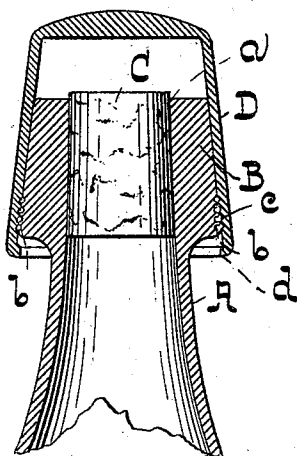
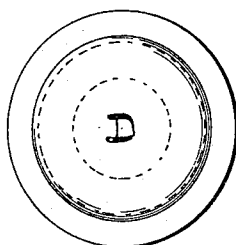


Fig 2.



-WITNESSES-

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MEANS FOR PREVENTING FRAUDULENT USE OF EMPTY BOTTLES.

SPECIFICATION forming part of Letters Patent No. 552,321, dated December 31, 1895.

Application filed May 13, 1895. Serial No. 549,069. (No model.)

To all whom it may concern:

Be it known that I, JOHN R. HARE, of the city of Baltimore and State of Maryland, have invented certain Improvements in Means for Preventing the Fraudulent Use of Empty Bottles, of which the following is a specification.

This invention relates to means to prevent the unsealing of a bottle without the destruction of an element thereof which bears the trade-mark or name of the proprietor of the goods originally bottled, and thereby prevent the subsequent use of the bottle for the holding of a spurious, fraudulent and inferior article, and the sale of the same under the label or trade-mark of the original proprietor, as will hereinafter fully appear.

In the description of the said invention which follows reference is made to the accompanying drawings, forming a part hereof, and in which—

Figure 1 is a vertical section of the upper part of a bottle provided with the invention, and Fig. 2 a top view of the same.

Referring now to the drawings, A represents the neck of the bottle and B the head.

C is the stopper or cork which is inserted in the mouth *a* of a bottle-head. The bottle-head is frusto-conical in shape, and near to its lower end is provided with grooves or corrugations *b*.

D is a glass capsule adapted to fit the head B when the top of the capsule is some distance above the cork C. The portion of the inner surface of the capsule which covers the corrugations or grooves *b* in the surface of the head is furnished with similar grooves or corrugations *c*, and below these or at the lower end of the capsule is a small lip or flange *d*, the inner diameter of which is slightly greater than the greatest diameter of the bottle-head.

After the bottle is filled and stoppered, some cement, such as plaster-of-paris, is applied to the inner surface or that part of the surface of the capsule wherein are the grooves *c*, and then the capsule is slipped over the bottle-head. In this operation some of the plaster

enters the grooves *b* in the bottle-head and passes between the lower end of the bottle-head and the inner face of the lip of the capsule, and as soon as the cement sets the capsule is secured and cannot be removed entire.

To open the bottle or remove the seal or cork, the capsule has first to be broken, and this is easily done by striking the top of the capsule, which forces it down farther over the inclined surface of the head. When the capsule is broken, the cork may be removed in the usual manner.

It is intended to have the name or trade-mark of the proprietor of the goods blown or otherwise marked on the capsule, and any attempt to use the bottle in a fraudulent manner by passing off a spurious article for the genuine one will be detected.

A paper label may be pasted over the capsule, if desired, such label having thereon the trade-mark or name of the proprietor, which label will be destroyed in the destruction of the capsule.

While I prefer to use the grooves *b* and *c* to hold the cement, the capsule and bottle-head may be made plain, as the cement in getting between the lip *d* and the lower end of the bottle-head will be sufficient to prevent the removal of the capsule without its being broken.

I claim as my invention—

In combination with the frusto-conical head of a bottle corrugated near its lower end, a breakable glass capsule of a similar shape which fits the lateral surface of the bottle head and is provided with corrugations which register with those in the bottle head, the top of the capsule being elevated above the bottle head so that the capsule may be driven down and burst in its downward movement, substantially as and for the purpose specified.

JOHN R. HARE.

Witnesses:

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DANL. FISHER.