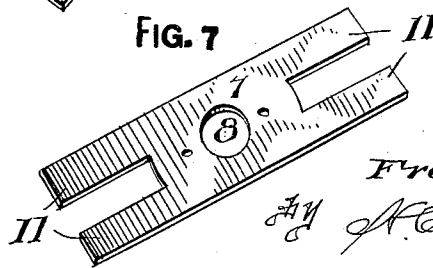
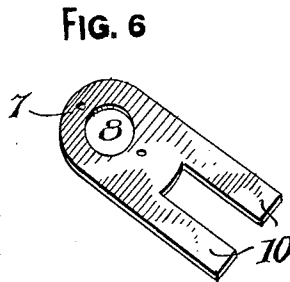
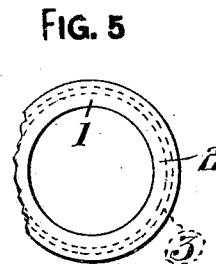
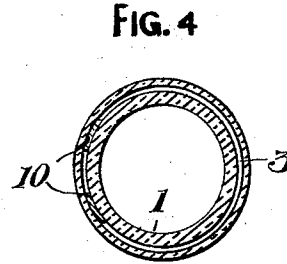
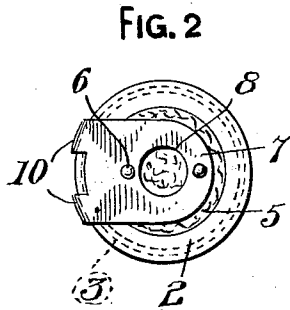
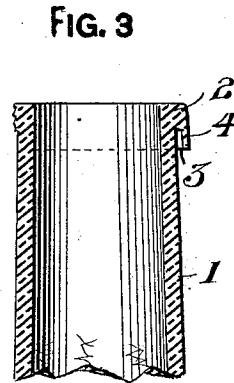
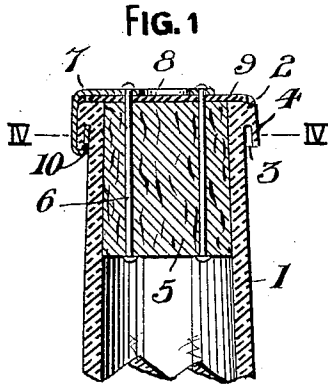


F. CULOTTA.
BOTTLE STOPPER.
APPLICATION FILED JULY 3, 1912.

1,042,091.

Patented Oct. 22, 1912.



WITNESSES
J. P. Appleman
E. Wright

INVENTOR
Frank Culotta
A. C. Everett & Co.
Att'y.

UNITED STATES PATENT OFFICE.

FRANK CULOTTA, OF INGRAM, PENNSYLVANIA.

BOTTLE-STOPPER.

1,042,091.

Specification of Letters Patent.

Patented Oct. 22, 1912.

Application filed July 3, 1912. Serial No. 707,580.

To all whom it may concern:

Be it known that I, FRANK CULOTTA, a subject of the King of Italy, residing at Ingram, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Bottle-Stoppers, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to a bottle stopper, and the primary object of my invention is the provision of simple and effective means for retaining a stopper in the neck of a bottle, jug or other receptacles, whereby the contents of the bottle or receptacle can not be removed without disfiguring the neck or mouth of the receptacle, thereby indicating that the receptacle has been opened or the contents thereof tampered with.

20 Another object of this invention is to provide a bottle stopper that can be advantageously used in connection with bottles containing liquors and wines, particularly fermentations liquids that require durable and firmly held stoppers to maintain the liquid in proper condition and exclude air from the bottle.

30 A further object of this invention is to provide a bottle stopper that can be easily placed in position to insure a positive closure for a bottle, the stopper having provision whereby it can be bodily removed by a cork screw or other instruments without any danger of the stopper breaking and a portion thereof remaining in the bottle.

With the above and other objects in view, the invention resides in a novel construction to be hereinafter specifically described and then claimed.

40 Reference will now be had to the drawing wherein:—

Figure 1 is a vertical sectional view of the bottle stopper. Fig. 2 is a plan of the same. Fig. 3 is a vertical sectional view of a bottle neck showing a portion of the same disfigured by the withdrawal of the bottle stopper. Fig. 4 is a horizontal sectional view of the bottle neck. Fig. 5 is a plan of the same broken away at one side. Fig. 6 is a perspective view of a preferred form of a fastening member, and Fig. 7 is a similar view of a modified form of a fastening member.

55 Further describing my invention with reference to the drawing wherein like numerals denote corresponding parts through-

out:—1 denotes the neck of a bottle or other receptacle and the upper edges of the neck terminate in an annular rim 2 that is of a greater diameter than the neck 1. The underneath side or overhanging portion of the rim 2 is provided with an annular groove 3 thereby forming an annular flange 4. With the bottle neck 1 made of glass or other fragile material, the flange 4 can be easily broken.

5 denotes a cork stopper and arranged longitudinally of said stopper are tie rods or rivets 6 employed for holding a fastener member 7. The fastener member 7 has a central opening 8 whereby easy access can be had to the top of the cork stopper 5 to permit of a cork screw or other implement being used for removing the cork stopper from the neck 1 of the bottle.

9 denotes a piece of tin foil or other material interposed between the member 7 and the cork stopper 5, said piece of tin foil protecting the pour-edges of the rim 2 and this piece of tin foil also allows a person to detect any tampering with the cork stopper 5.

10 denotes malleable parallel flat arms formed integral with the fastener member 7. These arms are adapted to be bent downwardly and the ends thereof embedded in the groove 3 of the rim 2. This is accomplished after the cork stopper 5 has been placed in the bottle neck 1 and after the ends of the arms 10 are forced into the groove 3, it is impossible to remove the cork stopper 5 without breaking the flange 4 of the rim 2, as shown in Figs. 3 and 5.

In Fig. 7 there is illustrated a modified form of fastener member, wherein said member has two sets of arms 11 that serve the same purpose as the arms 10 of the preferred form of fastener member.

It is thought that the utility of the bottle stopper will be apparent without further description, and while in the drawing there is illustrated the preferred embodiment of my invention, it is to be understood that the structural elements are susceptible to such variations and modifications as fall within the scope of the appended claims.

What I claim is:—

1. In a bottle stopper the combination with a bottle neck having a rim provided with a depending annular fragile flange spaced from the bottle neck, of a stopper fitting in said neck, a fastener member

mounted upon the stopper and having an opening, tie rods extending through the stopper and engaging the fastener member for connecting it to the stopper, and malle-
5 able arms carried by said member and having the ends thereof bent to underlap the flange and further extending between the flange and the bottle neck whereby said flange will be broken when the stopper is
10 removed from the bottle neck.

2. In a bottle stopper the combination with a bottle neck having a rim provided with a depending annular flange surrounding and spaced from the bottle neck, a stop-
15 per fitting in said bottle, a fastener member

having one end connected to the stopper and further having a central opening in said connected ends, and a pair of malleable arms forming part of said member and bent to underlap said flange and to further
20 extend between the flange and the bottle neck whereby said flange will be broken when the stopper is removed from the bottle neck.

In testimony whereof I affix my signature 25
in the presence of two witnesses.

FRANK CULOTTA.

Witnesses:

MAX H. SROLOVITZ,
K. H. BUTLER.

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