A. GERMAN.

BOTTLE.

APPLICATION FILED FEB. 25, 1914.

1,125,834. Patented Jan. 19, 1915.

Fig. 1.

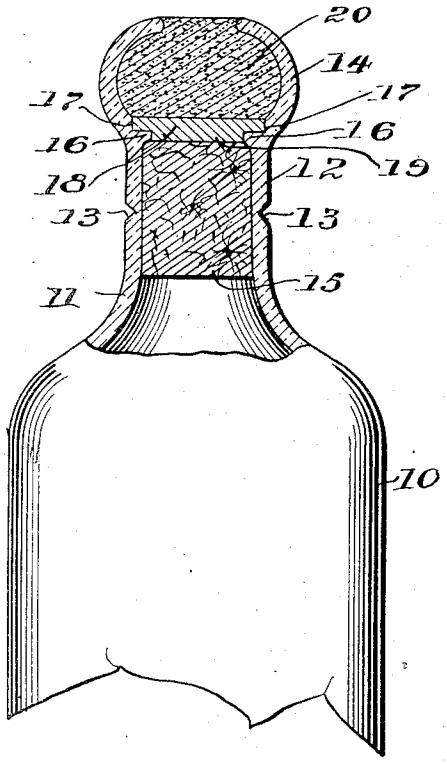
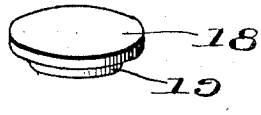


Fig. C.



Fig. 3.



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BOTTLE.

1,125,834. Specification of Letters Patent. Patented Jan. 19, 1915.

Application filed February 25, 1914. Serial No. 820,961.

To all whom it may concern:

Be it known that I, ANDREW GERMAN, a citizen of the United States, residing at Sumner, in the county of Pierce and State of Washington, have invented new and useful Improvements in Bottles, of which the following is a specification.

The invention relates to bottles, and has for an object to provide a bottle which, when the original contents are initially taken therefrom, is adapted to be partially mutilated to permit of removing the contents, the mutilation of the bottle being such that it cannot be conveniently reused to accommodate some other or spurious fluid.

The invention contemplates, among other features, the provision of a bottle having a frangible neck which is adapted to be so sealed after it has been originally filled with the desired contents that the bottle must be partially mutilated in order that the original contents can be withdrawn therefrom, the mutilation of the bottle being such that it will not interfere with pouring the contents of the bottle therefrom but at the same time will prevent other persons from refilling the bottle with a spurious or inferior fluid and dispensing the same upon the commercial market.

In the further disclosure of the invention reference is to be had to the accompanying drawings, constituting a part of this specification, in which similar characters of reference denote corresponding parts in all the views, and in which:

Figure 1 is a fragmentary vertical sectional view of the bottle, showing the same sealed; Fig. 2 is a similar view, showing the frangible neck broken away; and Fig. 3 is a perspective view of the cap.

Referring more particularly to the views, I disclose a bottle body 10 having an integral neck 11 including a frangible portion 12 formed by providing an annular groove 13 on the medial portion of the neck. The frangible portion 12 is formed to provide a bulged head 14 and the neck 11 is adapted to receive the usual cork 15 which is forced into the neck beyond a circular seat 16 formed in the head by providing a groove 17 therein so that after the cork has been forced into the neck its upper edge will abut against the under side of the seat 16. It will be readily understood that this can be easily accomplished in view of the fact that the cork can be readily compressed so that it can be forced beyond the seat and will then expand and reassume its natural shape. The cork furthermore is so arranged in the neck that the groove 13 providing the frangible neck portion will be substantially in the horizontal plane of the center of the cork.

A disk 18 is adapted to repose upon the seat 16 and includes an integral circular projection 19 formed on its under side and adapted to abut against the upper surface of the cork, with the said projection lying within the edge of the circular seat 16. The remaining space in the head 14 is now filled with a cement 20 or some other cementitious material and this, as will be readily seen, securely seals the cork and the disk 18. Now when it is desired to remove the contents of the bottle, the frangible neck is struck a slight blow, thus severing the same at the groove 13. By having the cork projecting into the neck beyond the point of severence of the frangible neck any particles of glass will be prevented from entering the body of the bottle and the upper portion of the cork will project sufficiently from the neck after the frangible part has been severed to permit of readily removing the cork.

With a bottle mutilated as mentioned it will be apparent that when the original contents have once been withdrawn therefrom the bottle will be unfit for further use on the commercial market.

Having thus described my invention, I claim:

In a bottle, the combination with a bottle body, of a neck including a frangible portion, a head formed with the frangible portion of the neck, a cork for insertion in the neck and adapted to have a portion there-

of encircled by the frangible portion of the neck, a circular seat formed in the head of the frangible portion and adapted to have the upper edge of the cork abut against its under side, a disk for insertion in the head to repose upon the seat, a projection on the under side of the disk and abutting against the top of the cork, and a cementitious material disposed in the head to secure the said disk rigidly therein.

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

ANDREW GERMAN.

Witnesses:
J. P. BARRON,
ZELLA B. ERDMAN.