

No. 750,129.

PATENTED JAN. 19, 1904.

J. E. SCHNEIDER.
BOTTLE.

APPLICATION FILED JULY 17, 1903.

NO MODEL.

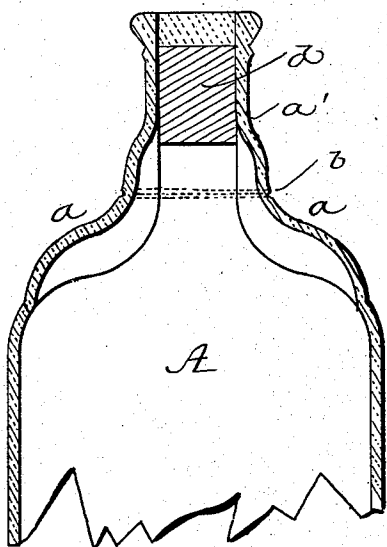


Fig. 1.

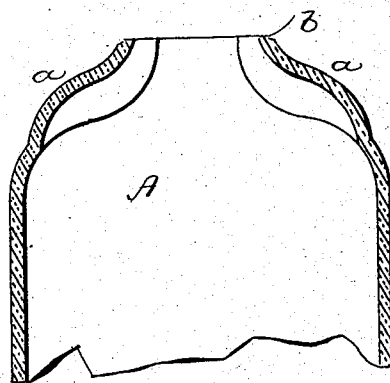


Fig. 2.

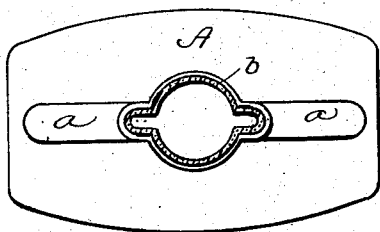


Fig. 3.

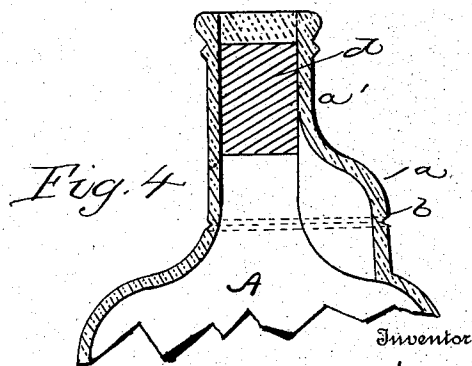


Fig. 4.

Witnesses

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JOHN EDWARD SCHNEIDER, OF ALLEGHENY, PENNSYLVANIA.

BOTTLE.

SPECIFICATION forming part of Letters Patent No. 750,129, dated January 19, 1904.

Application filed July 17, 1903. Serial No. 165,986. (No model.)

To all whom it may concern:

Be it known that I, JOHN EDWARD SCHNEIDER, a citizen of the United States, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Bottles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention has relation to the manufacture of bottles, and has for its object the provision of a bottle which when once filled and then opened for the removal of its contents cannot again be refilled without the fact of its reuse being apparent.

The invention consists in the provision of a bottle of the ordinary or practically the ordinary configuration of the usual bottle which in order to be opened will require the destruction of the neck, so that it will be impossible to again use it as an original package.

The invention further consists in the bottle hereinafter more fully described, and specifically pointed out in the claims.

In the accompanying drawings, Figure 1 is a vertical sectional view of a bottle of the ordinary type known as a "pocket-flask" filled and sealed for delivery. Fig. 2 is a similar view of the same bottle opened by the removal of the neck and a portion of the shoulder-offsets. Fig. 3 is a top view of the bottle shown in Fig. 2, and Fig. 4 is a vertical sectional view of a modification.

While I have illustrated my invention as applied to an ordinary flask, it is of course obvious that it can be applied to bottles of any shape—such as square, round, &c.—as the improvement or change is only in the neck and shoulders and does not affect the body of the bottle.

In the drawings, A represents the body of the bottle, and *a a* the shoulder-offsets, which, as shown, are extended so as to reach for a considerable distance on the neck or throat *a'* and have a groove *b* extending across and

around both shoulder-offsets and also across both sides of the neck, this groove forming what I call a "breaking-joint" of the bottle.

In filling the bottle the contents are, as usual, poured through the neck *a'* and a short cork *d* inserted and driven in until its bottom is below the elongated shoulder-offsets *a a* and its top below the top of the neck. After the cork has been driven in a suitable distance a sealing substance, such as cement or plaster-of-paris, is used to fill up the space between the cork and the upper edge of the neck.

If now any attempt is made to open the bottle in the ordinary way by withdrawing the cork, the seal of cement or other material will first have to be broken, which would at once show that the contents had been tampered with and would warn the purchaser. In order to properly open the bottle, the neck must be broken off at the groove *b*, and when opened in this way, which can easily be done by a smart stroke on the neck anywhere above the groove, the bottle cannot be recorked, as not alone the neck, but the upper portion of both or one of the shoulder-offsets, (if the bottle be made with one,) is broken away.

While I have described both shoulder-offsets as being elongated and grooved, it is very obvious that if only one shoulder-offset is thus provided, as shown in Fig. 4, the bottle when opened in the proper way by cracking off the neck will be non-refillable.

The ordinary bottle-molds now in use can be readily adapted to blow my improved bottle by slightly changing the shape of the upper portion of the shoulder-forming parts, and the bottle can be as easily and cheaply made as the ordinary bottle.

Having described my invention, I claim and desire to secure by Letters Patent—

1. A bottle having a neck, a portion of which is of incomplete cylindrical shape interiorly, and having a groove surrounding said neck portion, whereby, when the bottle is ruptured on the groove-line a non-cylindrical opening will be left.

2. A bottle having a neck and oppositely-located shoulder-offsets and a grooved breaking-joint extending around said neck and offsets, whereby, when the neck is broken, on said
5 joint, a non-cylindrical opening will be left.

3. A non-refillable bottle consisting of a body, elongated shoulder-offsets and a neck, said offsets and neck being grooved horizon-

tally, to facilitate separation of the neck and offsets from the body of the bottle. 10

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

JOHN EDWARD SCHNEIDER.

Witnesses:

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