

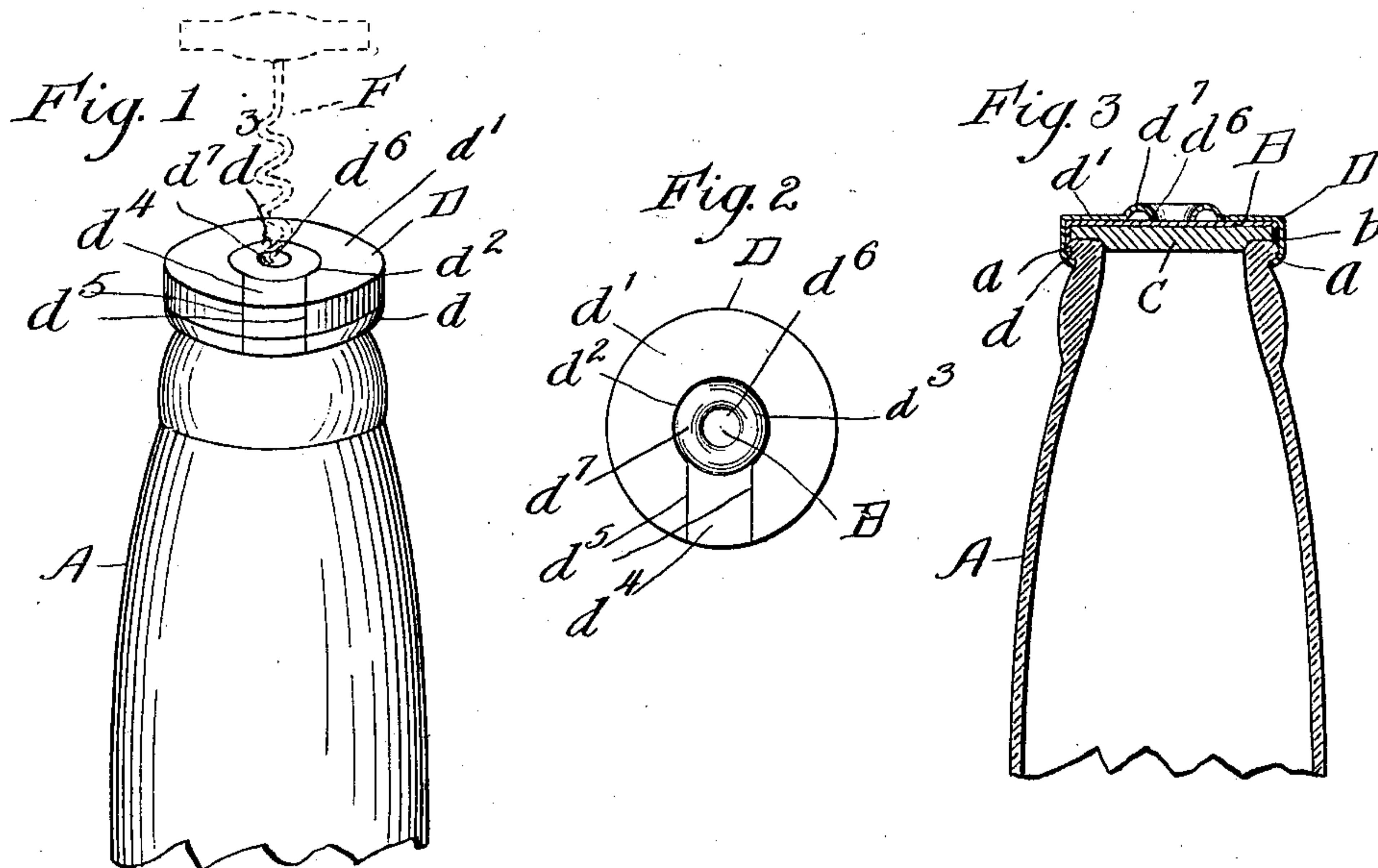
No. 736,001.

PATENTED AUG. 11, 1903.

E. NORTON.  
BOTTLE CAP.

APPLICATION FILED JUNE 1, 1903.

NO MODEL.



Witnesses:

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## UNITED STATES PATENT OFFICE.

EDWIN NORTON, OF NEW YORK, N. Y.

## BOTTLE-CAP.

SPECIFICATION forming part of Letters Patent No. 736,001, dated August 11, 1903.

Application filed June 1, 1903. Serial No. 159,664. (No model.)

*To all whom it may concern:*

Be it known that I, EDWIN NORTON, a citizen of the United States, residing in the city of New York, in the county of New York and State of New York, have invented a new and useful Improvement in Bottle-Caps, of which the following is a specification.

My invention relates to improvements in bottle-caps or closures for bottles, jars, or other vessels of glass or other material.

The object of my invention is to provide a bottle-cap or closure of a simple and efficient construction, and which will securely seal the bottle, jar, or other vessel, and which at the same time may be readily opened by means of an ordinary corkscrew or other suitable instrument.

My invention consists, in connection with a bottle, jar, or other vessel having a cap-holder shoulder or groove at its mouth or open end, a cork or sealing-disk of some impervious and compressible material, and a sheet-metal cork-holder disk which fits on top of the cork or sealing-disk, of a sheet-metal clamp-disk having a depending crimping-flange adapted to be crimped under the shoulder of the mouth of the bottle, jar, or vessel and provided at its top or disk portion with a perforated tongue, in which a corkscrew or other instrument may be inserted, and a tearing-strip extending from the perforated tongue across the disk to the edge of its crimping-flange and formed by parallel scores or weakened lines.

My invention also consists in the novel construction of parts and devices and in the novel combinations of parts and devices herein shown and described.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view of a bottle-cap or closure embodying my invention. Fig. 2 is a top or plan view, and Fig. 3 is a central vertical section.

In the drawings, A represents a bottle, jar, or other vessel having at its mouth or neck a cap-holder groove or shoulder *a*.

B is a sheet-metal cork-holder disk having preferably a narrow depending retaining flange *b* for keeping or holding the cork or sealing-disk C in place therein, the latter being made of cork or other suitable impervious and compressible sealing material.

D is a sheet-metal clamp-disk, the same having a depending crimping-flange *d* extending around its whole circumference and adapted to be smoothly bent or crimped into or under the cap-holder groove or shoulder *a* on the neck of the bottle or jar. The clamp-disk D is provided at its top or disk portion *d'* with a tongue-slit *d<sup>2</sup>*, forming a tongue *d<sup>3</sup>*, and a tearing-strip *d<sup>4</sup>*, marked off by scores or weakened lines *d<sup>5</sup>*, which extend from the tongue *d<sup>3</sup>* across the clamp-disk and preferably to the edge of its crimping-flange *d*. The tongue *d<sup>3</sup>* of the tearing-strip is preferably round in shape, and it is provided with a central hole or perforation *d<sup>6</sup>*, through which a corkscrew or other suitable implement may be inserted to remove the tearing-strip from the clamp-disk, and thus permit the clamp-disk to be removed and the bottle opened. The tongue portion *d<sup>3</sup>* of the clamp-disk is also preferably furnished with an annular bead or raised portion *d<sup>7</sup>*.

To open a bottle or jar provided with my bottle-cap or closure, a corkscrew or other tool, as F, is inserted through the perforation *d<sup>6</sup>* in the central rounded tongue *d<sup>3</sup>* of the tearing-strip, and then by pulling thereon the tearing-strip may be readily separated from the clamp-disk D, thus releasing the clamp-disk from the bottle or jar.

I claim—

1. The combination with a bottle, jar or other vessel having an external shoulder at its neck or mouth, of a cork or sealing-disk, a cork-holder disk, and a clamp-disk having a depending crimping-flange, and provided at its flat or disk portion with a central rounded tongue having a hole or perforation through the same and with a tearing-strip extending from the tongue across the clamp-disk and marked off by scores or weakened lines, substantially as specified.

2. In a closure for bottles, jars or other vessels, the combination with a cork or sealing-disk, of a clamp-disk having a depending crimping-flange and provided at its top or disk portion with a tongue-slit and perforated tongue, and with scores or weakened lines forming a tearing-strip, substantially as specified.

3. In a closure for bottles, jars or other vessels, a clamp-disk having a depending



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crimping-flange and provided at its top or disk portion with a tongue having a perforation through the same, and with a tearing-strip extending from the tongue, substantially as specified.

5 4. In a closure for bottles, jars or other vessels, a clamp-disk having a depending crimping-flange and provided with a central

rounded tongue having an annular bead or raised portion and a central perforation, and with a tearing-strip extending from the tongue, substantially as specified. 10

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