

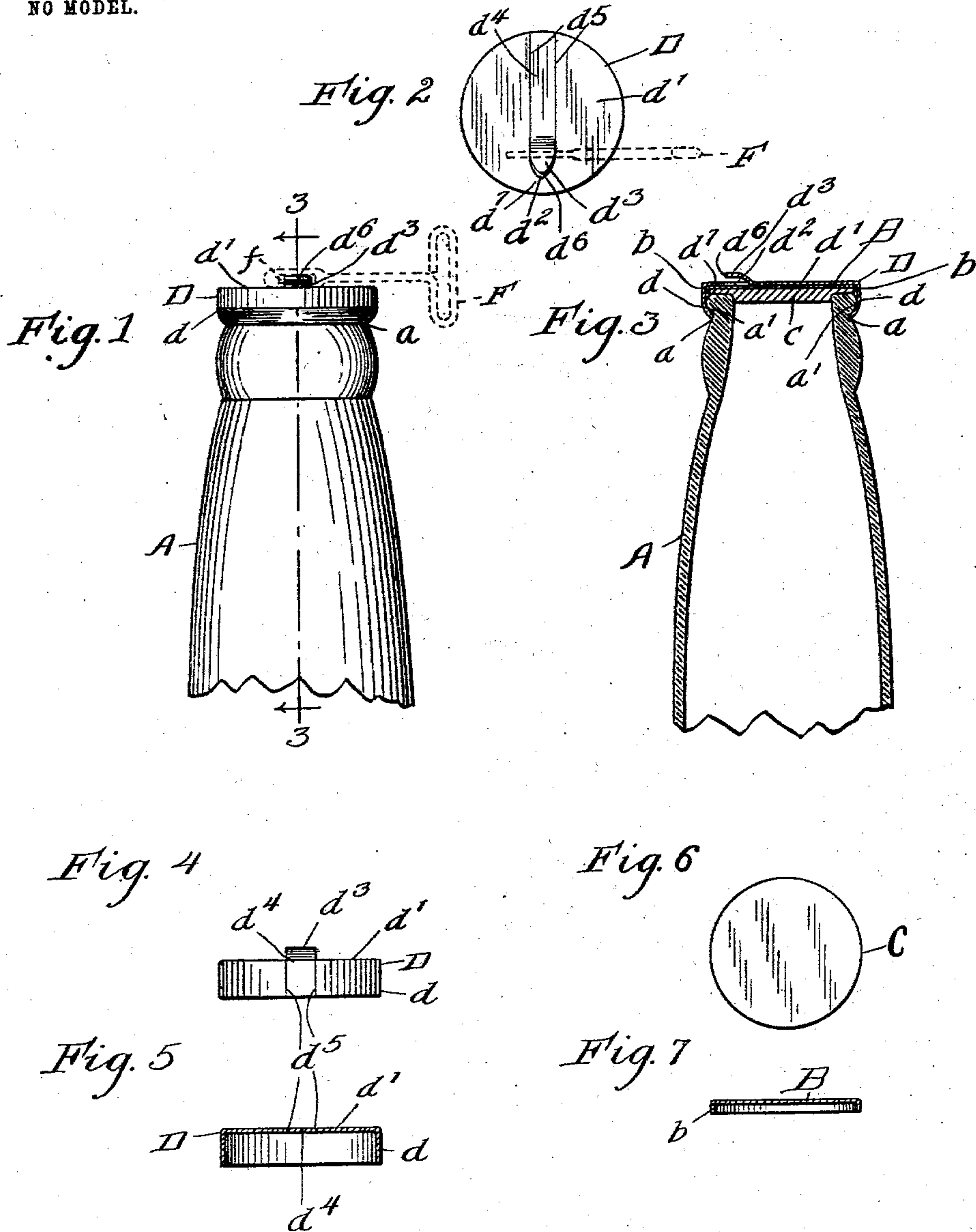
No. 730,561.

PATENTED JUNE 9, 1903.

E. NORTON.  
BOTTLE CAP.

APPLICATION FILED MAR. 9, 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. 730,561, dated June 9, 1903.

Application filed March 9, 1903. Serial No. 146,864. (No model.)

*To all whom it may concern:*

Be it known that I, EDWIN NORTON, a citizen of the United States, residing in 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 key-opening bottle cap or closure of a simple and efficient construction which may be cheaply manufactured, readily and conveniently applied to the bottle, jar, or other vessel, which will securely seal the bottle, jar, or vessel, and which at the same time may be easily opened by means of an ordinary key, such as is commonly used for key-opening cans.

My invention consists in the means I employ to practically accomplish this object or result—that is to say, it 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 or some impervious and compressible material—such, for example, as cork—and a sheet-metal cork-holder disk which fits on the top of the cork or sealing-disk—of a sheet-metal clamp-disk having a depending crimping-flange adapted to be smoothly and closely crimped or bent into the groove or under the shoulder of the mouth of the bottle, jar, or vessel, and provided at its flat or disk portion with a tongue-slit and tongue, and a tearing-strip extending from the tongue across the disk and formed by parallel scores or weakened lines, the scores or weakened lines being preferably extended to the edge of the crimping-flange at the rim thereof opposite the tongue.

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

In the accompanying drawings, forming a part of this specification, Figure 1 is a front elevation of a bottle cap or closure embodying my invention. Fig. 2 is a top or plan view. Fig. 3 is a vertical section on line 3 3 of Fig. 1. Fig. 4 is a rear elevation. Fig. 5 is a detail section of the clamping-disk at right an-

gles to the tearing-strip. Fig. 6 is a detail plan of the cork or sealing-disk, and Fig. 7 is a detail sectional view of the cork-holder disk.

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

C is the cork or sealing-disk, the same being made of any suitable impervious and compressible sealing material—such, for example, as a thin disk of cork or other suitable natural or artificial sealing material commonly used for this purpose.

B is the sheet-metal cork-holder disk, the same having, preferably, a narrow depending retaining-flange *b* for keeping or holding the cork or sealing-disk C in place therein.

D is the 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 *a* on the mouth of the bottle or jar. The clamp-disk D is provided at its flat or disk portion *d'* with a tongue-slit *d<sup>2</sup>*, forming an upwardly-projecting tongue *d<sup>3</sup>* of 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 D and preferably to the edge of its crimping-flange *d*. The front end *d<sup>6</sup>* of the tongue *d<sup>3</sup>* does not extend quite to the rim of the clamp-disk D, thus leaving a marginal portion *d<sup>7</sup>* intact or continuous to support the cork-holder disk and sealing-disk at the rim, and thus securely clamping the sealing-disk against the rim *a'* of the bottle-neck or jar. F represents the key used in opening the bottle or jar, the same being of the ordinary construction commonly used for key-opening cans.

To open the bottle or jar provided with my bottle cap or closure, the tongue *d<sup>3</sup>* of the tearing-strip is inserted in the slot *f* of the key, and then by turning the key the tearing-strip is wound upon the key, thus dividing the clamp-disk into two parts.

I claim—

1. The combination with a bottle, jar or other vessel having an external shoulder at its 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 tongue-slit and



tongue, of a tearing-strip extending from the tongue across the clamping-disk and marked off by scores or weakened lines, substantially as specified.

- 5    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 with a tongue-slit and tongue at its flat or disk portion, and  
10 with scores or weakened lines extending from the tongue across the clamping-disk, substantially as specified.

- 15    3. 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 with a tongue-slit and tongue at its flat or disk portion, and

with scores or weakened lines extending from the tongue across the clamping-disk, said scores or weakened lines extending to the 20 edge of the crimping-flange, substantially as specified.

4. In a closure for bottles, jars or other vessels, a key-opening clamp-disk having a depending crimping-flange and provided with 25 a tongue-slit and tongue at its flat or disk portion inside the crimping-flange, and a tearing-strip having scores or weakened lines extending from the tongue across the clamping-disk, substantially as specified.

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