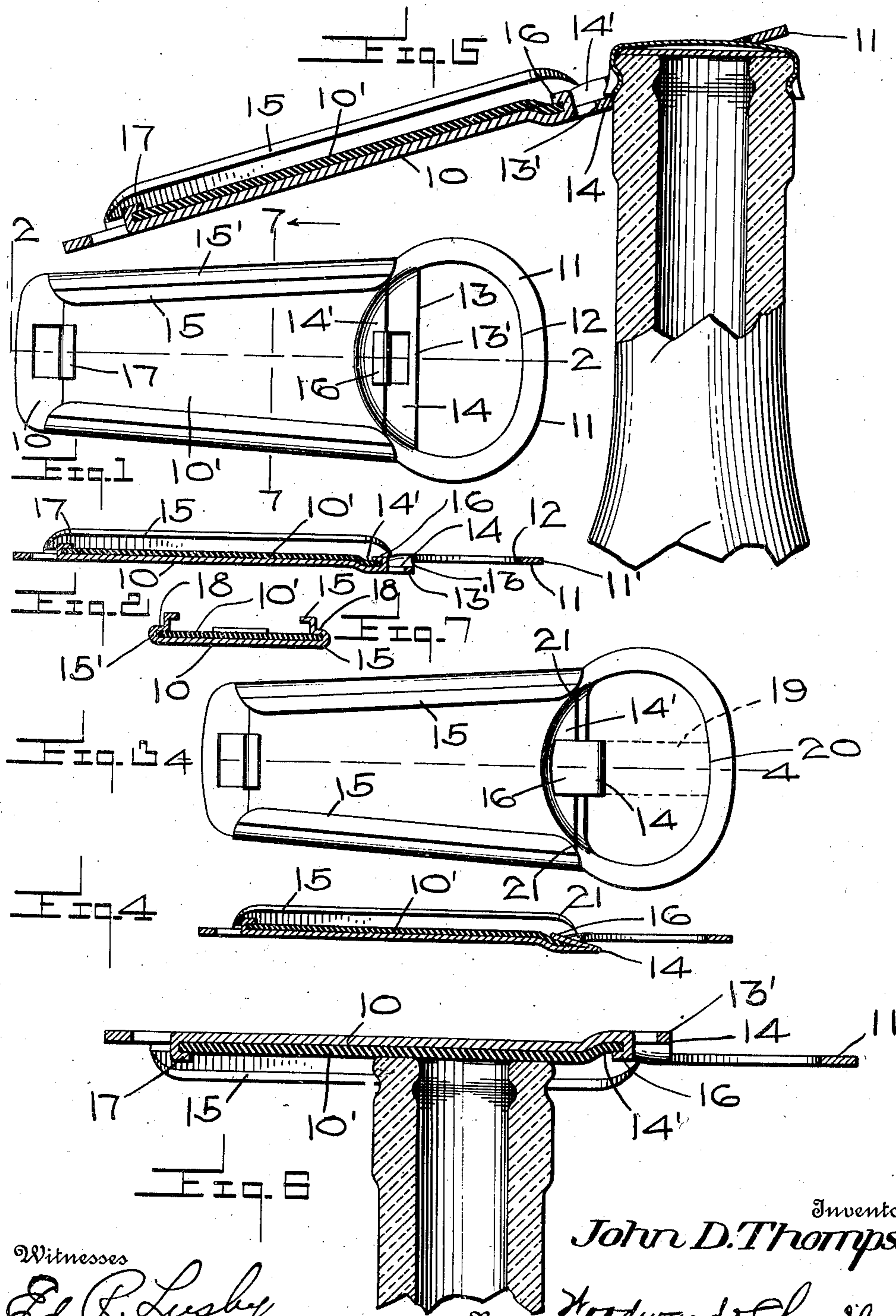


J. D. THOMPSON.
BOTTLE OPENER AND CLOSER.
APPLICATION FILED MAY 26, 1910.

987,268

Patented Mar. 21, 1911.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN D. THOMPSON, OF BOZEMAN, MONTANA.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOHN D. THOMPSON, a citizen of the United States, residing at Bozeman, in the county of Gallatin and State of Montana, have invented certain new and useful Improvements in Bottle Openers and Closers, of which the following is a specification.

This invention relates to a combined bottle opener and closer, which is particularly adapted for bottles closed by crimped caps.

One object of this invention is to so form a bottle cap remover, that the same may be used to close the mouth of the bottle after the cap has been removed.

Another object is to provide a bottle opener and closer having a sealing medium secured thereon, and to improve the means for holding the same.

A still further object is to provide a bottle opener and closer having a sealing medium, means for holding said sealing medium, and to so form said holding means that the device may be slipped on to the neck of a bottle without obstruction as heretofore.

With these and other objects in view, the invention consists in the construction, combination and arrangement of parts, as will be more fully hereinafter described and pointed out in the claims, but it will be understood that changes in the specific structure may be made without departing from the spirit of the invention.

In the drawings, Figure 1, is a bottom plan view of one form of my device, Fig. 2, is a section on the line 2—2 of Fig. 1, Fig. 3, is a top plan view of the modification, Fig. 4, is a section on the line 4—4 of Fig. 3, and Fig. 5, is a side elevation partly in section of the portion of a bottle, showing my device in use as a cap remover, Fig. 6, is a similar view of a bottle showing the device used as a closer, Fig. 7, is a section on the line 7—7 of Fig. 1.

Referring particularly to the drawings, it will be seen that the device comprises a body portion 10 having formed at one end a loop 11 lying in the same plane therewith, the opening of said loop being bounded on one side by a curved line 12 parallel to the outer line 11' of the loop, and on the other side by a straight line 13, which line 13 forms the edge of the cap engaging lip 14. On either side of the body portion 10 there is

provided an inturned longitudinal disposed flange 15 adapted to engage the beaded mouth of the neck of the bottle when the device is applied as a closer, and presents the rounded edges 15' by means of which the device is grasped in either of its uses, the said rounded edges being best seen in Fig. 7.

The body portion immediately adjacent and including the lip 14, is stamped downwardly to form the concave recess 14', so that the said lip will be in a plane below and parallel to the plane of the loop 11. A tongue 16 is stamped or struck up from the lip 14, and is bent backward on the body portion 10 and is adapted to hold between it and the said body portion one end of a sheet of cork, rubber, or other suitable sealing material, said tongue being so cut as to leave a narrow bridging portion 13' on the lip 14. A similar lip 17 is struck up from the body portion adjacent its opposite end, and is adapted to clamp the opposite end of the said sheet of cork or rubber 10', the longitudinal edges of said sheet being clamped between the flanges 15 and the body portion, by pinching said flanges longitudinally as shown at 18 in Fig. 7. The depression 14' brings the tongue 16 slightly below the level of the sheet of rubber which greatly facilitates the application of the device to the neck of the bottle.

In the modification shown in Figs. 3 and 4, the device is formed similar to the first form with the exception that the tongue 16 and the lip 14 are formed by doubling the bridging strip 19, extending from the body portion 10 to the outer portion of the loop 11, said strip of course it being understood is cut from the loop on the line 20. The recess 14' is also formed in this modification to bring the tongue 16 below the plane of the sheet 10'. The flanges 15 have their ends rounded as in 21 to aid in applying the device to the bottle.

From the foregoing, it will readily be seen that the device is of simple and cheap construction, and that I have provided an efficient means of holding the sealing element to the body of the device, which will not become readily displaced as in the construction heretofore. I have also improved the construction so that the cap engaging lip is below the loop, the device readily adjust-

ing itself to the cap, when the same is to be removed.

What is claimed is:

1. A combined bottle opener and closer comprising a body portion having converging longitudinal sides and a curved depression in its larger end, bottle engaging flanges on the converging sides, a bottle cap engaging loop on one end of said body portion, a cap engaging lip on one end of the body portion transversely of the depression, a packing sheet between the flanges, said flanges having their outer longitudinal doubled portions pinched together to clamp the side edges of said packing sheet, a tongue struck up from the body portion adjacent its smaller end and holding one end of said packing, and a tongue struck up from the said cap engaging lip, adapted to hold the opposite end of said packing, and lie in the same plane as the said sheet.

2. A combined bottle opener and closer comprising a body portion having converging longitudinal flanged sides, adapted to en-

gage the beaded mouth of a bottle, a packing sheet disposed on the face of the body portion and extending longitudinally thereof, a tongue struck up from the body portion at the smaller end thereof, and adapted to retain one end of the said packing sheet, a portion of the said converging flanges being pinched together to confine the longitudinal edges of the packing sheet, an enlarged loop on the larger end of said body portion, a cap engaging lip at the larger end of the body portion, a second tongue struck up from the cap engaging lip said tongue being disposed within a depression so that said lip will lie in a plane below said loop, and the tongue below the surface of said packing.

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

JOHN D. THOMPSON.

Witnesses:

JOHN KOUNTZ,
H. N. PURDY.