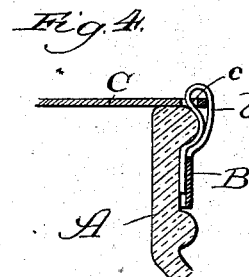
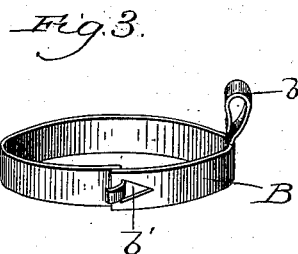
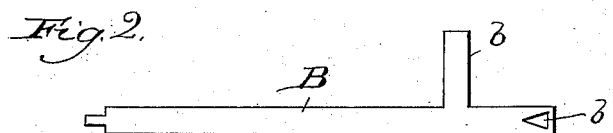
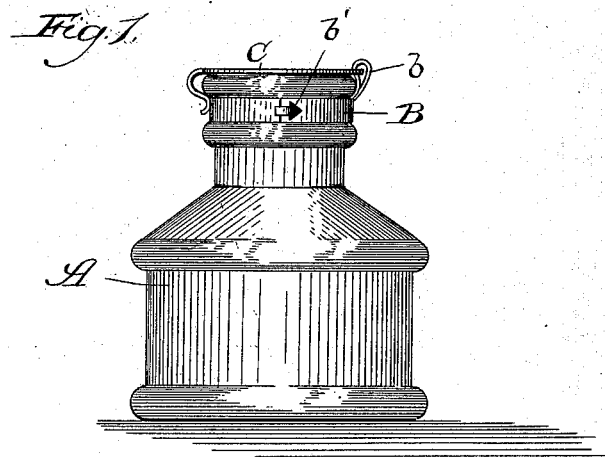


(No Model.)

W. RODIGER.
BOTTLE CLOSURE.

No. 385,011.

Patented June 26, 1888.



Witnesses:

Chas. E. Gaylord.
Clifford C. White.

Inventor:

William Rodiger,
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UNITED STATES PATENT OFFICE.

WILLIAM RODIGER, OF CHICAGO, ILLINOIS.

BOTTLE-CLOSURE.

SPECIFICATION forming part of Letters Patent No. 385,011, dated June 26, 1888.

Application filed May 8, 1888. Serial No. 273,255. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM RODIGER, a citizen of the United States, residing at Chicago, Illinois, have invented a new and useful Improvement in Bottle-Covers, of which the following is a specification.

The object of my invention is to provide a cheap, simple, and easily-operated cover opening upwardly for ink or other small bottles; and the invention consists in the features and details of construction hereinafter described and claimed.

In the drawings, Figure 1 is a side elevation of an ink-bottle with my improved cover applied thereto; Fig. 2, a plan view of the encircling band before it is bent around the bottle-neck; Fig. 3, a perspective view of the band with its upwardly-projecting portion bent or turned downwardly to form a loop-hinge; and Fig. 4, a sectional view of Fig. 1, particularly showing the hinge.

A is the bottle; B, the band encircling the neck thereof; *b*, an upwardly-projecting portion of the band to form a hinge, and *b'* a hole in one end of the band; C, the cap or cover of the bottle, and *c* a hole or slot therein through which the projecting portion of the band passes to form the connecting-hinge.

In constructing my improved ink-bottle cover I make a band of sufficient length to form the neck of the bottle, and in one end of this band I cut a hole or slot large enough to allow the other end, which is made smaller by tapering or otherwise, to pass through it. After the band is closely drawn around the bottle-neck, the end which has been passed through the hole is bent back upon itself, and both ends thus securely fastened together. I prefer to make this band of sheet metal and to have it narrow to fit snugly into a groove in the neck of the bottle.

The encircling band is provided with an integral portion which extends upwardly and is adapted to be bent over inwardly to form a loop or hinge for securing the cap or cover. The cover is provided with a hole or slot adapted to receive this upwardly-extending portion, which is slipped in place before the band is secured around the neck of the bottle. The end of the upwardly-projecting portion, which is bent or turned downward to form a

hinge attachment for the cover, may be passed and held between the band and the neck of the bottle; or, being bent over, but not extending down to or below the edge of the band, such end may be held between the straight or upright part of the projecting portion and the rim or upper edge of the bottle-neck. A band with an upwardly-projecting portion adapted to be secured in this latter way is shown in Fig. 3, and of course it will be understood that the only essential requirement in this respect is that the end of the projecting portion shall pass down far enough to press against or come in contact with some part of the bottle to prevent its straightening or pulling out. Whether it passes down far enough to be held between the band and the neck of the bottle or only far enough to press against the upper edge or rim of the bottle neck, the arrangement is such that the hinge thus formed will make a permanent and secure fastening for the cover.

The cover, which is of sheet metal, is of course made of a suitable size and shape to fit over and close the top of the bottle. At the side opposite the hinge it is provided with an integral spring thumb-piece, which is so curved that when the cover is closed it will spring or fit over the swell on the upper part of the bottle-neck, and thus firmly hold the bottle-cover down in position. When it is desired to open the bottle, an upward pressure on this thumb-piece will be sufficient to release the same and throw the cover back upon its hinge.

I claim—

1. In combination with a bottle, a closure comprising a lid, a band fitting around the neck of the bottle, and an integral portion extending upwardly from the band, having its upper end passed through a hole in the lid and bent or turned over inwardly in contact with the upper part of the bottle-neck, whereby it is prevented from straightening or pulling out, substantially as described.

2. In combination with a bottle, a closure comprising a lid having a thumb-piece for holding it in position and opening it upwardly, a band fitting around the neck of the bottle, and an integral portion extending upwardly from the band, having its upper end passed through a hole in the lid and bent or turned over inwardly in contact with the upper part

of the bottle-neck, whereby it is prevented from straightening or pulling out, substantially as described.

3. In combination with a bottle, a closure
5 comprising a lid having a thumb-piece for holding it in position and opening it upwardly, a band fitting around the neck of the bottle, and an integral portion extending upwardly from the band, having its upper end passed through

a hole in the lid and bent or turned over inwardly and passed downwardly between the band and the bottle-neck, whereby it is prevented from straightening or pulling out, substantially as described.

WILLIAM RODIGER.

Witnesses:

EPHRAIM BANNING,
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