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B. D. THOMPSON.
DETACHABLE STOPPER HOLDER FOR BOTTLES.
APPLICATION FILED JULY 18, 1907.

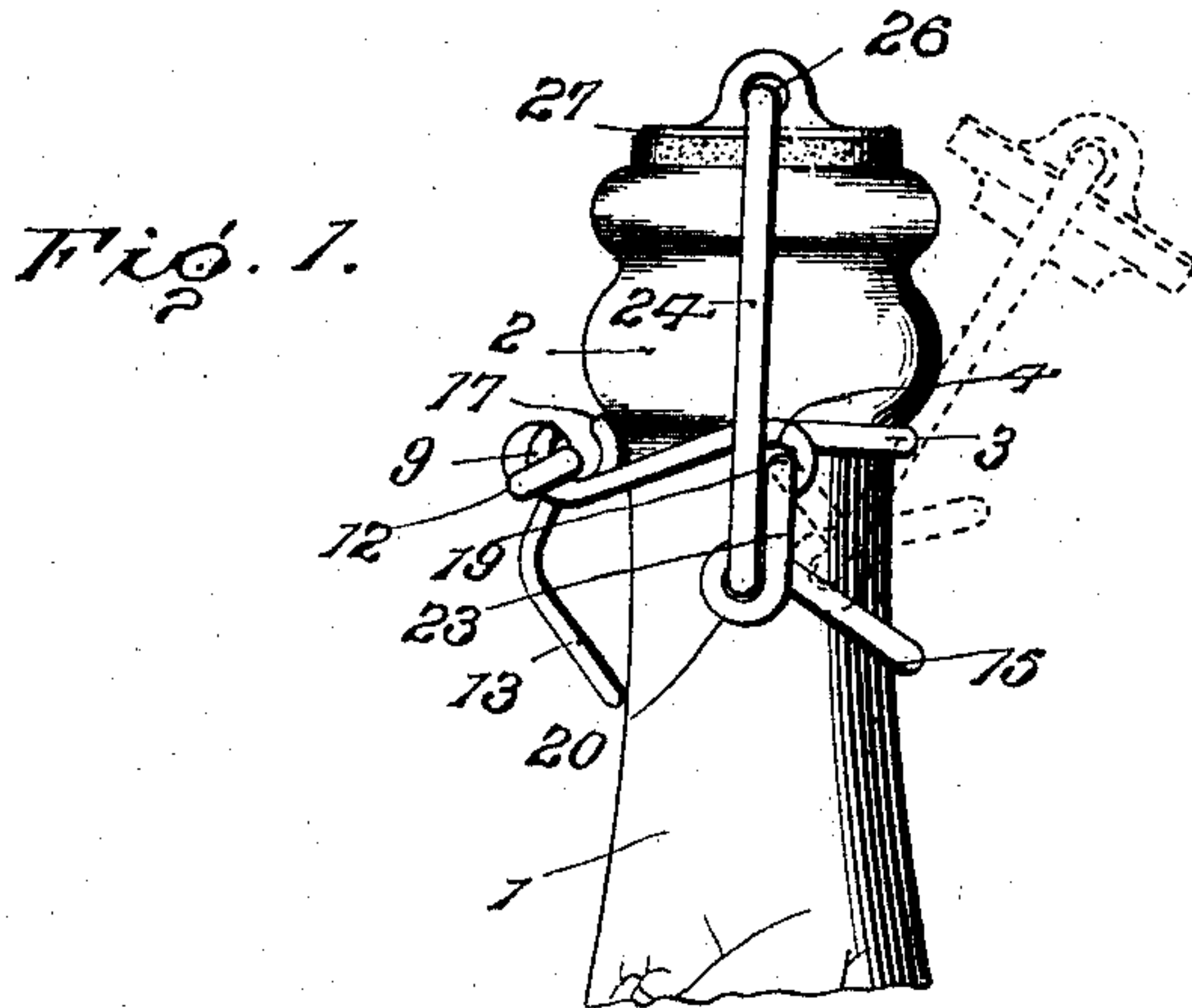


Fig. 2.

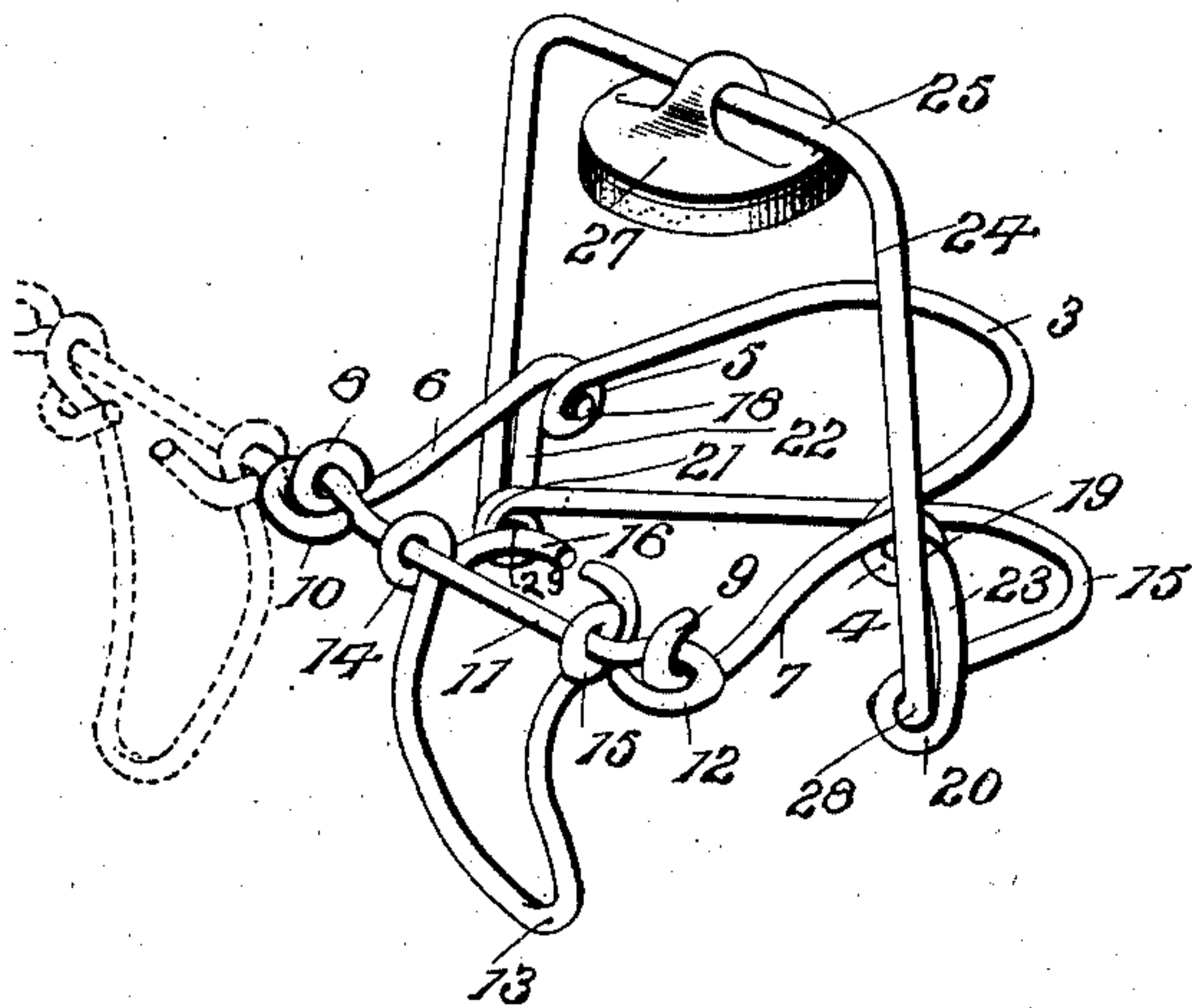
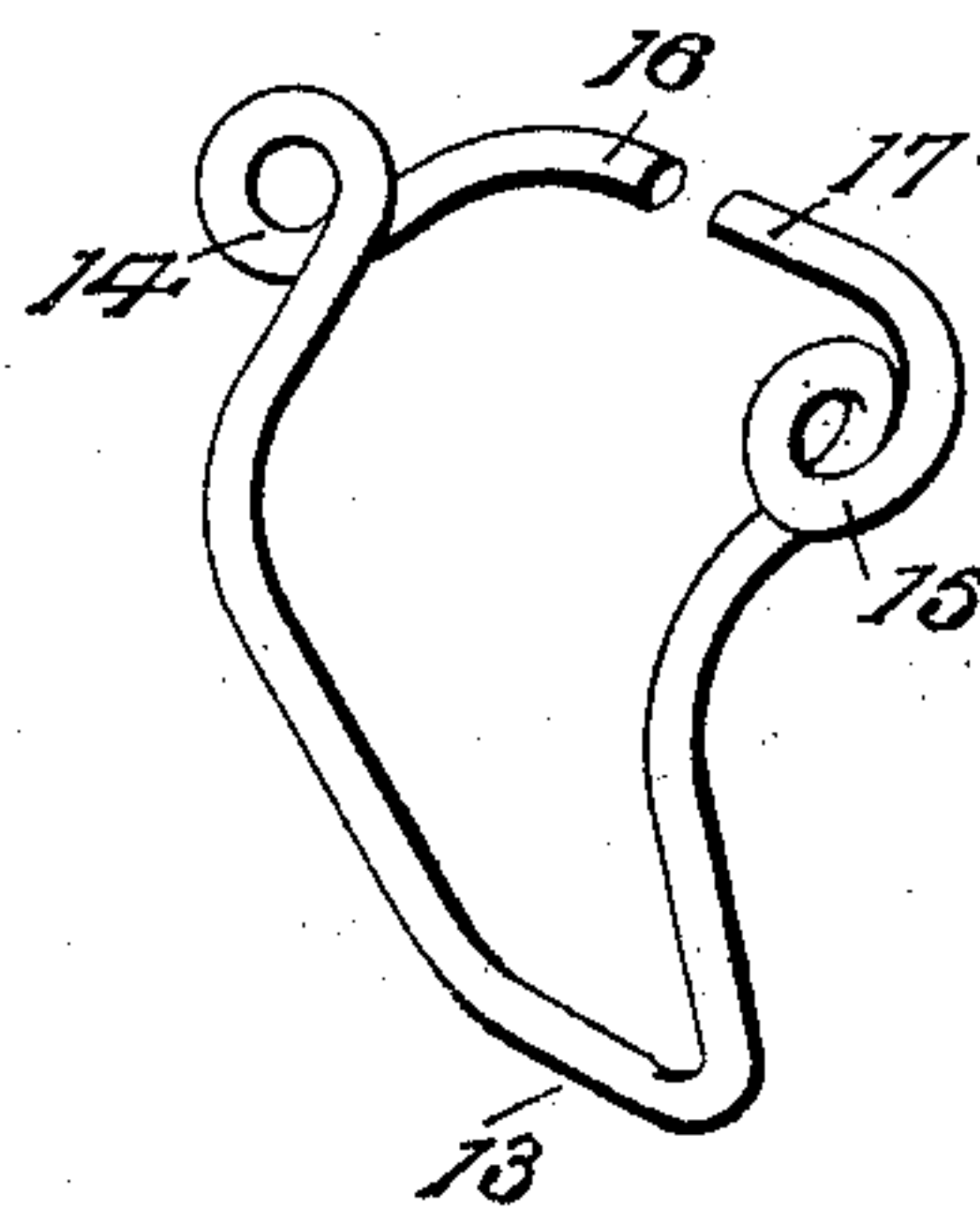


Fig. 3.



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DETACHABLE STOPPER-HOLDER FOR BOTTLES.

No. 883,590.

Specification of Letters Patent.

Patented March 31, 1908.

Application filed July 18, 1907. Serial No. 384,428.

To all whom it may concern:

Be it known that I, BURCHARD D. THOMPSON, a citizen of the United States, residing at Mount Jewett, in the county of McKean and State of Pennsylvania, have invented certain new and useful Improvements in Detachable Stopper-Holders for Bottles, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in detachable stopper holder for bottles.

The object of my invention is to provide a stopper holder which is adapted to be readily detached or attached to the neck of the bottle, and firmly held in its operative position, so that the stopper can be operated in the usual manner in stoppers of this character.

Another object of my invention is to provide a more simple, cheap and effective device of the character described.

In the accompanying drawings, Figure 1, is a side elevation of the neck portion of a bottle showing my stopper holder applied thereto, and the stopper in its locked position. Fig. 2, is a detached perspective view of my complete device. Fig. 3, is a detached perspective view of the locking loop for locking the device to the neck of the bottle.

Referring now to the drawings, 1 represents the neck of the ordinary bottle to which stoppers of this character are applied, and which are provided with a bulged portion 2 which serves as means for preventing the device from slipping from the bottle, which I will now proceed to describe.

My device consists of a semi-circular piece of wire 3 having eyes 4 and 5 formed therein, and its ends 6 and 7 extended outwardly in a straight line. The extreme outer end of the end 6 has an eye 8 formed therein and the extreme outer end of the other end 7 is provided with a hook 9. The portion 3 is of a shape to snugly fit the neck of the bottle below the bulged portion 2. Secured within the eye 8 is the eye 10 carried by the straight horizontal wire 11, and the opposite end of the wire 11 has an eye 12 into which the hook 9 may be inserted, and whereby the straight horizontal wire is supported as shown. The wire passes on the opposite side of the portion 3, and a short distance from the neck. The securing bail 13 is formed of a loop slightly curved as shown, and provided with eyes 14

and 15 through which the horizontal member 11 passes, and thus the loop is pivotally supported thereby. The ends 16 and 17 of the securing loop are extended inwardly and slightly upward so that when the loop is forced downward the end engages the neck of the bottle just under the bulged portion 2, drawing the portion 3 tightly around the neck of the bottle, and when the loop is swung downwardly past the center line the device, as will be seen, is firmly locked upon the neck of the bottle.

Passing within the eyes 4 and 5 of the loop 3 are the ends 18 and 19 of the bottle stopper securing lever 15, the said lever being of the form shown, and having eyes 20 and 21 formed therein, and the vertical portions 22 and 23 having the ends 18 and 19 entering the eyes 4 and 5, as before described. The bottle stopper bail 24 is of a U-shaped form, having the horizontal portion 25 which passes through the opening 26 in the stopper 27, whereby the stopper may be moved horizontally for adjusting it to accurately seat itself in the mouth of the bottle. The lower ends of the bail 24 are turned inwardly at 28 and 29, and pass into the eyes 20 and 21, and are thus held. As will be seen, the pressing down upon the lever 15 draws the bail 24 downward and throws it inward past the pivotal point of the lever, and therefore is locked in the position shown in Fig. 1.

By the construction set forth, it will be seen that the improved stopper holder can be readily attached to a bottle, and the stopper-operating means operate in the same manner as the ordinary mechanism in stoppers of this character. The device, as before stated, can be removed from one bottle and placed upon another, thus making a less expensive stopper which can be removed when washing the bottle, or removed when a bottle becomes broken.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:—

1. A detachable stopper holder for bottles comprising a wire for surrounding the neck of a bottle, a lever secured to said wire for locking the same on the neck of the bottle, and a bottle stopper locking means carried by said wire.

2. A detachable stopper holder for bottles comprising a wire for surrounding the neck of a bottle, a horizontal wire having one end

permanently secured to the wire and the other end detachably secured to the wire, a locking lever carried by said horizontal wire, and a bottle stopper locking means carried
5 by the wire for surrounding the neck of the bottle.

3. The combination with the neck of a bottle having a beading surrounding the same, of a wire partially surrounding the neck below the beading, a rod connecting the ends
10 of the wire, a pivoted locking lever carried by said rod and engaging the neck of the bottle below the beading, a locking lever carried by the wire, and a stopper-carrying means carried
15 by the locking lever.

4. The combination with the neck of a bottle having a beading surrounding the same, of a semi-circular wire surrounding the neck of the bottle below the beading, and having
20 eyes opposite the center of the neck of the bottle, and its ends extended outwardly in a horizontal position, a horizontal rod removably attached to one end of the said wire and permanently connected to the other end of
25 the wire, a lever pivoted upon said horizontal rod and adapted to engage the neck of the bottle below the beading on the neck of the bottle, a lever having its ends pivoted in the eyes carried by the wire, and having eyes in-
30 termediate its ends, and a stopper-carrying bail having its ends entering the eyes in the last mentioned lever, whereby the stopper is locked upon the mouth of the bottle, and a stopper carried by said bail.

35 5. The combination with the neck of a bottle having a beading surrounding the same, of a semi-circular wire surrounding the neck of the bottle below the beading and having eyes formed therein opposite the center of
40 the neck of the bottle, and its ends extended outwardly in a horizontal position, and one end formed with an eye and the other end with a hook, a transverse rod having eyes in its ends and interlocking with the hook and
45 eye of the wire, a locking lever formed of a piece of wire and having eyes through which the transverse rod passes, and the inner ends

of the lever adapted to engage the neck of the bottle below the beading and locking the semi-circular piece of wire around the neck
50 of the bottle, a stopper lever having its ends entering the eyes in the semi-circular wire and formed with eyes therein, and a stopper bail having its ends entering the eyes in the stopper lever, a stopper carried by the bail
55 whereby the stopper is drawn tightly down into the mouth of the bottle.

6. The combination with the neck of a bottle having a beading surrounding the same, of a wire partially surrounding the neck below the beading, a rod having one end per-
60 manently connected to the wire and the other end detachably secured to the wire, a pivoted locking lever carried by said rod and engaging the neck of the bottle below the beading, a lock-lever carried by the wire, and a stopper-carrying means carried by the
65 locking lever.

7. The combination with the neck of a bottle having a beading surrounding the same, of a semi-circular wire surrounding the neck of the bottle below the beading and having
70 eyes formed therein opposite the center of the neck of the bottle, and its ends extending outwardly beyond the neck of the bottle and having an eye formed in one end and a hook in the other end, a horizontal rod having
75 eyes interlocking with the hook and eye of the wire, a locking lever formed of a single piece of wire and having eyes formed therein intermediate its ends and oppositely ar-
80 ranged, and through which the transverse bar passes, the ends of the lever bent to conform with the curvature of the neck of the bottle, and a bottle stopper locking lever
85 pivoted in the eyes carried by the wire, and a stopper-carrying bail carried by said lever.

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

BURCHARD D. THOMPSON.

Witnesses:

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CHAS. ANDERSON.