

(No Model.)

M. SIERSDORFER.
BOTTLE STOPPER.

No. 418,077.

Patented Dec. 24, 1889.

Fig. 1.

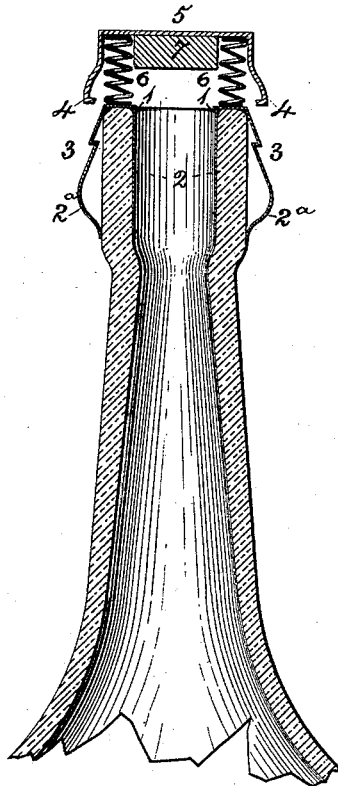


Fig. 2.

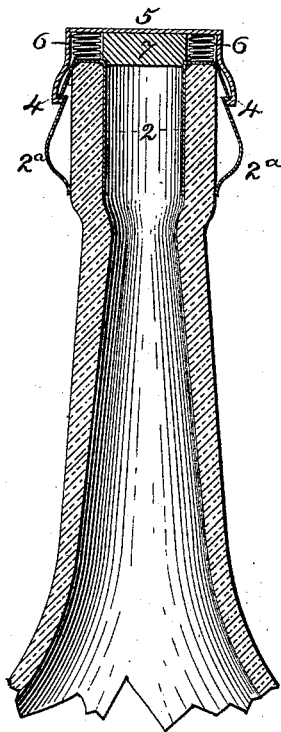
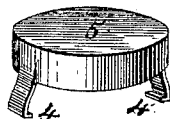
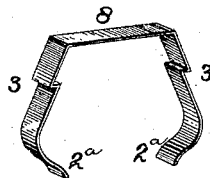


Fig. 3.



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BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 418,077, dated December 24, 1889.

Application filed May 2, 1889. Serial No. 309,391. (No model.)

To all whom it may concern:

Be it known that I, MICHAEL SIERSDORFER, a citizen of the United States, residing at Louisville, county of Jefferson, State of Kentucky, have invented certain new and useful Improvements in Bottle-Stoppers, of which the following is a specification.

My invention consists in a certain combination, which will first be fully described with reference to the accompanying drawings, and then pointed out in the claims.

In said drawings, Figure 1 is a vertical section of my improved bottle-stopper applied to the neck of a bottle. Fig. 2 is a similar view showing the parts in closed position. Fig. 3 represents a modification of the clips.

While capable of adaptation to cases where the bottle is to be made absolutely watertight, the invention is principally intended for use on display liquor-bottles and in similar instances where the cover is mainly useful in excluding dust from the bottle.

1 1 are clips adapted to embrace the upper edge of the bottle-neck, and having arms 2 2, extending within the neck and closely hugging the inner walls thereof under the action of the outer spring-arms 2^a 2^a. Upon the latter arms are notches 3, adapted to receive flanges 4, carried by arms projecting down from a cap 5, which is mounted on the clips 1 by means of springs 6, preferably spiral in form. The springs are fixed (preferably by solder) rigidly to both the clips and the cap, as shown, so that the parts will be kept together. Fixed to the cap, between the springs 6, is a cloth, felt, or other washer 7.

The operation of the device is as follows: The parts, being in the extended position shown in Fig. 1, are applied to the neck of the bottle, the clips 1 grasping the edge, as described. In this way the bottle can be used as readily for pouring as if the stopper were not in place. When the operator is through pouring, the top is depressed, as

shown in Fig. 2, when the flanges 4 catch over the notches 3 and hold the cap down so that the soft felt washer covers completely the aperture in the neck, and so excludes the dust. To release the cap, so as to enable the liquid to be poured from the bottle, it will only be necessary to compress the spring-arms 2 by applying the forefinger and thumb to the same, when the springs 6 will raise the cap and open the bottle.

Fig. 3, besides showing the parts in detached position, illustrates a slight modification. The clip here consists only of the outer arms 2^a, united by a band 8 at top. The inner arms of the clip are, however, preferably employed to insure the firm retention of the bottle-stopper on the neck of the bottle, as shown in Fig. 1.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. The combination of spring-clips adapted to embrace the neck of a bottle, the cap, springs connecting said clip to said cap, and flanged arms projecting downwardly from said cap, the said clip having notches to receive the flange of said arms, substantially as set forth.

2. The combination of clips having spring-arms clasping closely the inside and outside of a bottle-neck, springs fixed thereon, the cap mounted on said springs and having flanged arms, and notches on the outer spring-arms of said clips adapted to receive the flanges of said arms, substantially as set forth.

3. The combination of spring-clip 1, having notches 3, springs 6, carried thereby, cap 5, having arms with flanges 4, and soft felt or other washer 7, carried by said cap between said springs 6, substantially as set forth.

MICHAEL SIERSDORFER.

Witnesses:

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