

(No Model.)

G. KNIERIEMEN.
DUST GUARD FOR BOTTLE STOPPERS.

No. 601,058.

Patented Mar. 22, 1898.

Fig. 1.

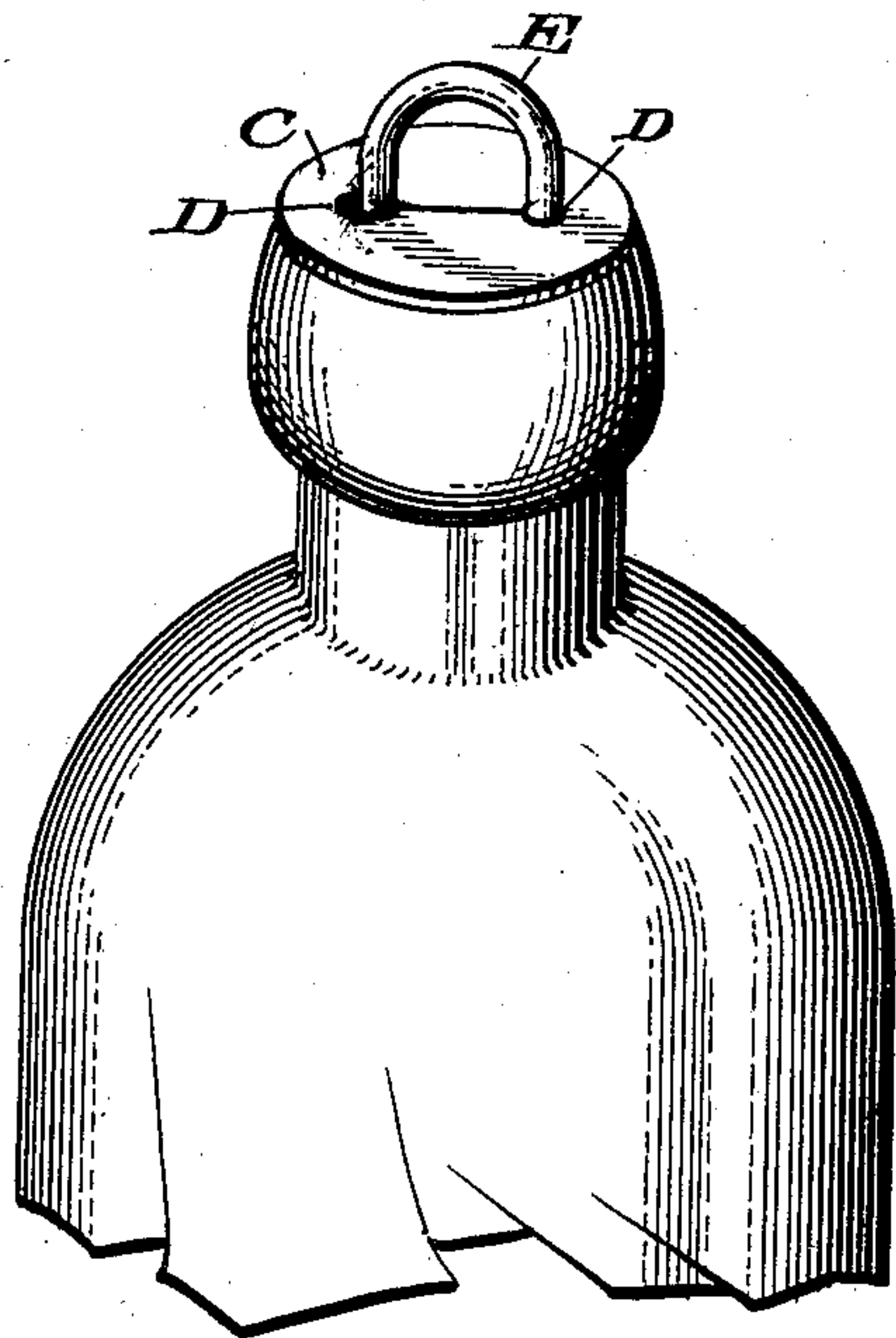
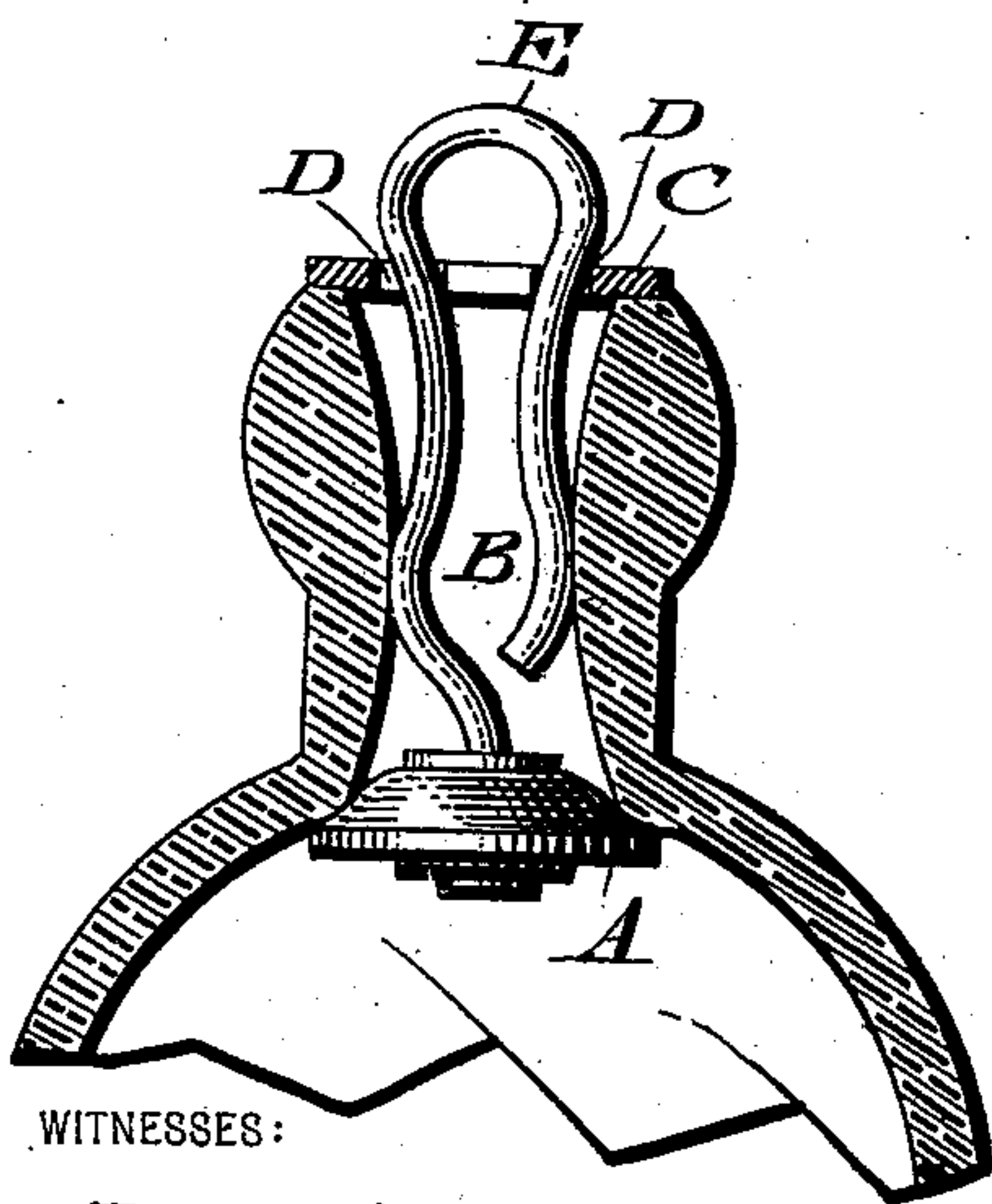


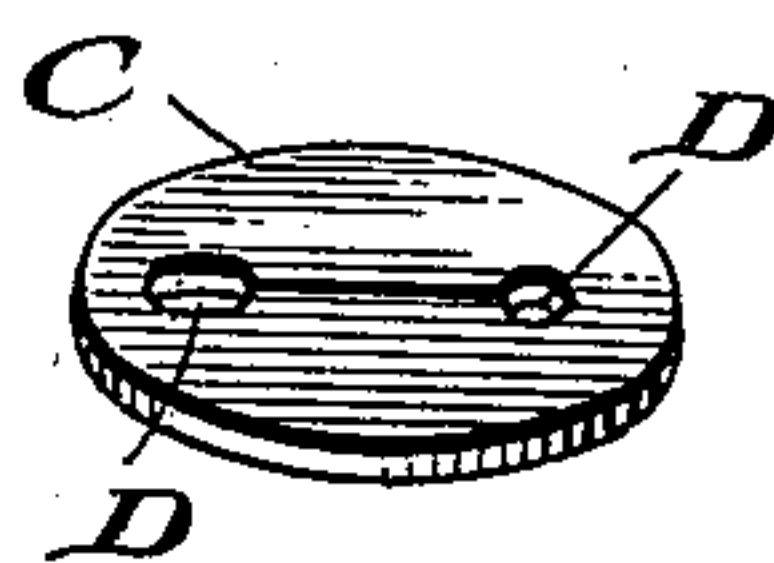
Fig. 2.



WITNESSES:

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Fig. 3.



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DUST-GUARD FOR BOTTLE-STOPPERS.

SPECIFICATION forming part of Letters Patent No. 601,058, dated March 22, 1898.

Application filed April 21, 1897. Serial No. 633,102. (No model.)

To all whom it may concern:

Be it known that I, GEORGE KNIERIEMEN, a citizen of the United States, residing in the city and county of Camden, State of New Jersey, have invented a new and useful Improvement in Dust-Guards for Bottle-Stoppers, which improvement is fully set forth in the following specification and accompanying drawings.

10 My invention consists in providing an inwardly-opening or internal bottle-stopper with a guard whereby dust is collected and may be removed prior to the opening of the stopper, and thus the dust is prevented from
15 entering the fluid with the stopper.

Figure 1 represents a perspective view of a dust-guard for a bottle-stopper embodying my invention. Fig. 2 represents a vertical section thereof. Fig. 3 represents a perspective view of the guard detached from the
20 bottle.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates a
25 bottle-stopper of the order known as "internal," or where it is opened by being pressed downwardly or into the bottle.

It is well known that a space B exists above the plug or body of the stopper, and the same
30 provides a convenient place for the lodgment of dust, which when the stopper is opened enters with the same into the fluid, the objectionable effect of which is evident. To prevent this, I employ the guard C, which consists of a disk, preferably of paper or other inexpensive but sufficiently stiff and durable material, which is provided with openings D, whereby the guard may be fitted over the loop
35 or handle E of the stopper and rest on the mouth of the bottle, thus completely covering

the space B and consequently the mouth of the bottle.

It will be noted that when the guard is in place on the bottle the portions of the outer edge of the loop E, below the maximum di- 45
ameter thereof, bear against or contact with the guard C, so as to effectively retain the latter in position under all conditions.

When the bottle is to be opened, the guard may be lifted or torn off, whereby the dust or
50 dirt thereof accompanies the same, and thus the space B and the top of the plug of the stopper is in clean condition and so may be pushed into the bottle in order to open the same.
55

It will of course be understood that it is not necessary to lift or tear off the guard, as the same will be automatically detached or will leave the loop when the stopper is pressed in.

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

1. A bottle-stopper provided with a handle adapted to hold said stopper in closed position and having a loop at its upper end and a
65 disk fitted on said loop, said disk being held in proximity to the neck of said bottle by its contact with the portions of said loop exterior to said bottle.

2. A bottle-stopper provided with a handle
70 adapted to hold said stopper in closed position and having a loop at its upper end and a disk fitted on said loop and held in place on the top of the neck of said bottle by its contact with the outer portions of said loop below the maximum diameter of the latter.
75

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Witnesses:

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C. D. MCVAY.