

# UNITED STATES PATENT OFFICE.

CHARLES DE QUILLFELDT, OF NEW YORK; N. Y.

## IMPROVEMENT IN BOTTLE-STOPPERS.

Specification forming part of Letters Patent No. **158,406**, dated January 5, 1875; application filed November 30, 1874.

*To all whom it may concern:*

Be it known that I, CHARLES DE QUILLFELDT, of the city, county, and State of New York, have invented a new and Improved Bottle-Stopper, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a front view of my improved bottle-stopper, shown in closed position on a bottle. Fig. 2 is a vertical transverse section; and Fig. 3 a side view of the same, showing the stopper detached.

Similar letters of reference indicate corresponding parts.

My invention relates to an improved bottle-stopper for closing bottles of all kinds in a very convenient, quick, and secure manner; and it consists in a stopper-carrying yoke, which is pivoted at some distance from the ends of a wire lever-frame swinging in eyes of a wire band attached to the neck of the bottle. The elastic stopper is made with disk-shaped base and cylindrical stem or shank, perforated for the passage of the yoke, and is tightly secured to the bottle by a sleeve-shaped and flanged cap-piece.

A in the drawing represents a bottle, to the neck of which is applied the tightly-twisted wire band or ring *a*, which carries in eyes *a'* the swinging lever-frame B of bent wire of suitable strength. The stopper-carrying yoke C of similar wire is pivoted with its ends to eyes or staples *b* of lever-frame B, which eyes are bent in the legs or sides of the same at such a distance from the wire band *a* that by the leverage imparted by the downward-swinging frame B the yoke C is carried down toward the mouth of the bottle, so as to firmly and tightly close the same by an elastic stopper, D, applied to the straight top part of the yoke. Stopper D is made of rubber or other

elastic material with a disk-shaped base and central shank or stem, which is perforated near the upper end to be readily placed on the yoke C and swung into any position thereon. A cap-piece, E, with sleeve-shaped lower part and top flange, is placed around the shank of the stopper D below the yoke passing through the shank, and serves to press into the disk part of the stopper, when the lever-frame and yoke are swung downward on the neck of the bottle, closing, by the convex shape imparted to the stopper-base thereby, securely and tightly, the mouth of the bottle.

The closing of the stopper is performed by guiding the base part into position on the mouth, and swinging the lever-frame down.

The stopper is seated so firmly on the bottle that no accidental detachment in handling is possible. It has no projecting parts, is quickly opened and closed, and can be manufactured at as cheap rates as other bottle-closing devices at present in market.

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

1. The bottle-stopping device, composed of a pivoted lever-frame applied to neck of bottle, with eccentrically-hinged yoke carrying the elastic stopper and cap-piece, arranged and operated substantially in the manner and for the purpose set forth.

2. The elastic stopper, hung by its perforated stem or shank to upper part of hinged yoke, in combination with the same and a sleeve-shaped cap-piece placed over the stopper below the yoke, substantially for the purpose described.

CHAS. DE QUILLFELDT.

Witnesses:

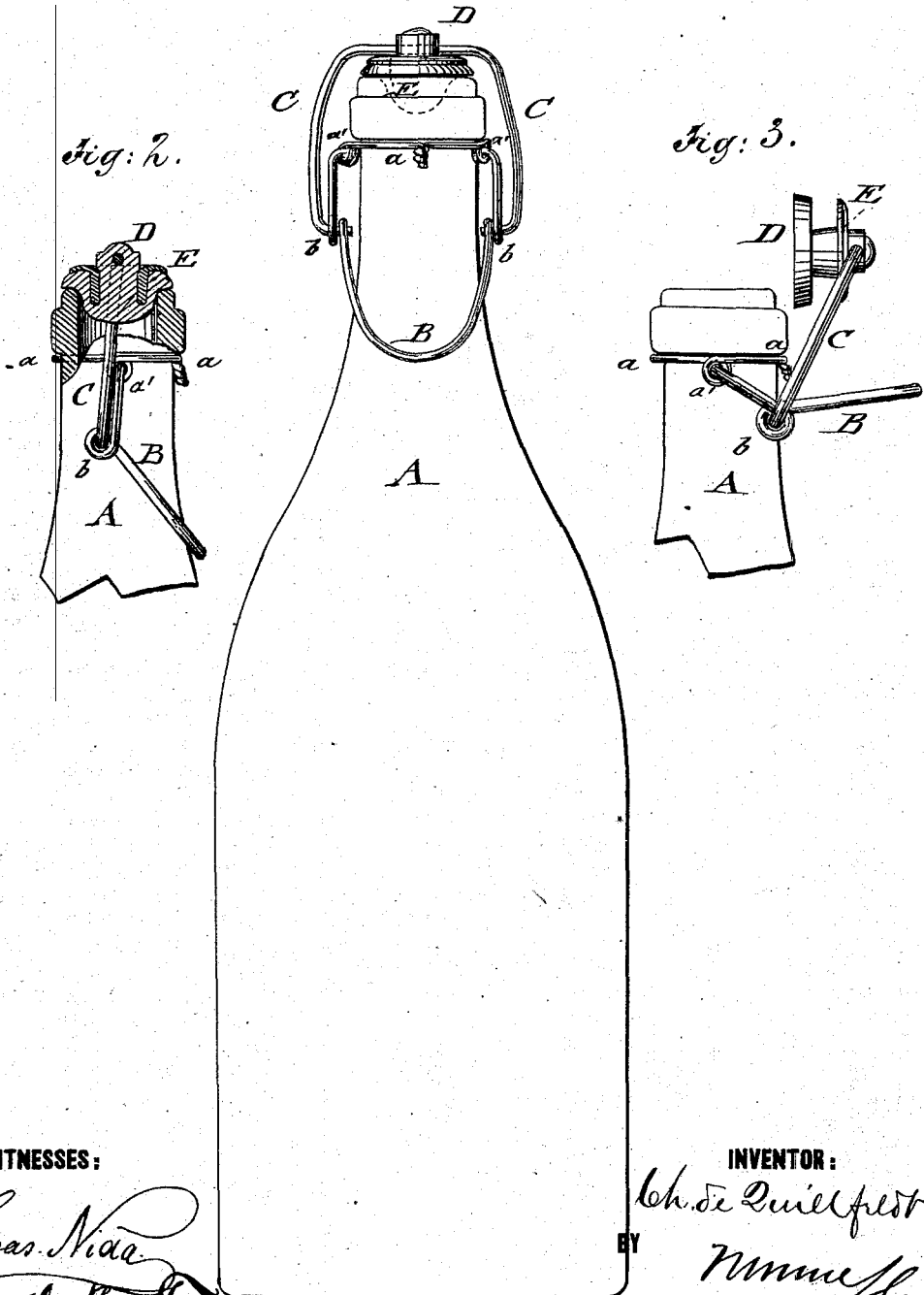
PAUL GOEPEL,  
EMIL HOLEND.

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Bottle-Stoppers.

No. 158,406.

Patented Jan. 5, 1875.

Fig: 1.



WITNESSES:

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