

A. FREYGANG.
BOTTLE-STOPPER.

No. 174,728.

Patented March 14, 1876.

Fig: 1.

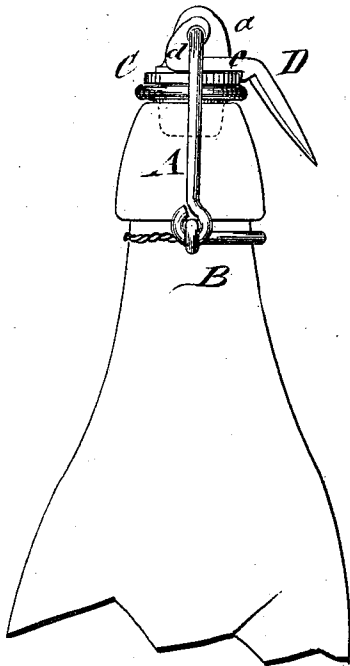


Fig: 2.

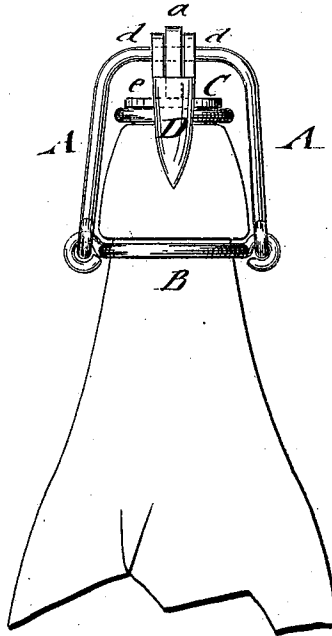
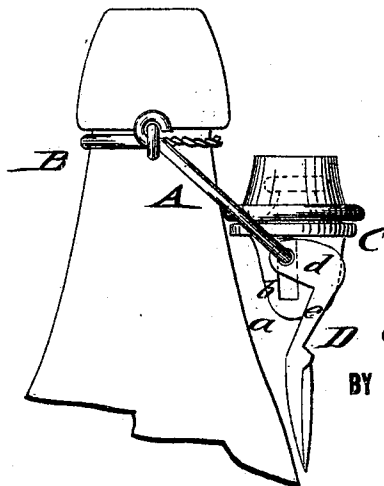


Fig: 3.



WITNESSES:

Chas. Nida
John G. Bethall

INVENTOR:

A. Freygang
BY *Munn*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

ALBERT FREYGANG, OF NEW YORK, N. Y., ASSIGNOR TO FREDERICK KNIEF,
OF SAME PLACE.

IMPROVEMENT IN BOTTLE-STOPPERS.

Specification forming part of Letters Patent No. **174,728**, dated March 14, 1876; application filed
February 14, 1876.

To all whom it may concern:

Be it known that I, ALBERT FREYGANG, of New York city, in the 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 side view, Fig. 2 an end view, of my improved bottle stopper, shown in closed position; and Fig. 3 is a side view of the same, in opened position.

Similar letters of reference indicate corresponding parts.

My invention relates to an improved bottle-stopper, that may be easily opened and tightly closed, being of simple construction and operation.

The invention consists of a swinging bail or yoke that carries at its top part a stopper-head with slotted vertical top plate and a recessed eccentric cam lever, that forces the stopper-head down and retains it in the mouth of the bottle by its straight part bearing across the stopper head or cap.

In the drawing, A represents the swinging bale or yoke, that is pivoted in the customary manner to a wire neck-band, B, of the bottle. The stopper is made of a rubber section that is attached in suitable manner to the metallic head or cap piece C, fitting tightly, when closed, on the mouth of the bottle. The cap piece C is cast with a raised central plate or lug, *a*, and hung by a vertical slot, *b*, of the same loosely to the top part of bail A. A centrally recessed and perforated lever, D, with eccentric cam *d*, is also hung near the outer end of the cam to the bail and fitted by its recessed part to the sides of the plate of the cap-piece. The pivoted lever D has a straight section, *e*, back of the cam, which section fits on the top of the cap-piece and has an outer handle-end bent in downward direction for operating the

lever. When the lever is swung down, the eccentric cam bears on the top of the cap piece and presses it in downward direction into the mouth of the bottle. The bail is carried at the same time in the slot of the head-piece in upward direction until the straight part of the lever is seated firmly in the cap-piece, securing by the action of the eccentric cam the tight closing of the stopper. When the bottle is to be opened, the lever is swung in upward direction clear around the bail, so as to release the cap-piece and give the stopper, by its slotted plate, sufficient play in upward direction to be raised from the mouth of the bottle and carried by pressure on the handle of the lever to the side of the mouth. The lever is taken hold of by the hand, holding the neck of the bottle when emptying the same, and the stopper is thereby retained easily and naturally without any chance of dangling about the mouth of the bottle and interfering with the pouring-out of the contents. The contact of the stopper and lever with the neck of the bottle, however, retains also the stopper alongside of the neck without holding the handle. The stopper is instantly closed by swinging the lever back again on the bail, the exact seating and closing on the mouth being secured by the simultaneous action of the eccentric cam, so that a reliable and quickly-operated bottle-stopper is obtained.

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

In a bottle stopper, a swinging lever with eccentric recessed cam part, straight middle part, and bent handle-end, substantially for the purpose set forth.

ALBERT FREYGANG.

Witnesses:

PAUL GOEPEL,
T. B. MOSHER.