C. E. G. WINTER.
BOTTLE-STOPPERS.

No. 194,204. Patented Aug. 14, 1877.

Fig. 1.

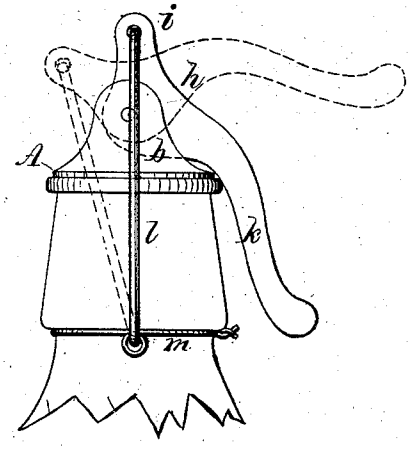
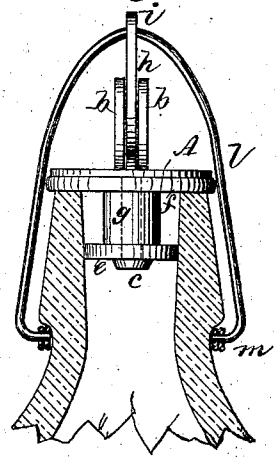


Fig. 2.



WITNESSES:
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UNITED STATES PATENT OFFICE.

CARL E. G. WINTER, OF PORT JERVIS, NEW YORK, ASSIGNOR TO HIMSELF AND JOHN G. PFUTZNER, OF SAME PLACE.

IMPROVEMENT IN BOTTLE-STOPPERS.

Specification forming part of Letters Patent No. **194,204**, dated August 14, 1877; application filed July 9, 1877.

To all whom it may concern:

Be it known that I, CARL E. G. WINTER, of Port Jervis, in the county of Orange and State of New York, have invented a new and Improved Bottle-Stopper, of which the following is a specification:

Figure 1 is a side elevation. Fig. 2 is a front elevation, in part section.

Similar letters of reference indicate corresponding parts.

The object of my invention is to provide a bottle-stopper that may be easily applied to ordinary bottles, and that operates quickly and easily in stopping and unstopping the bottle.

In the drawing, A is a metallic cap, having upon its upper surface the ears *b*, and projecting from the center of its under surface the pin *c*, provided with the beveled head. Upon this pin the rubber stopper is placed, which consists of the disks *e f*, connected by the cylindrical section *g*. The disk *e* fits closely in the neck of the bottle, and the disk *f* is of sufficient diameter to cap the mouth of the bottle. Between the ears *b* a curved lever, *h*, having arms *i k*, is pivoted.

The arm *i* is perforated to receive the yoke-wire *l*, and the arm *k* is curved to conform to the stopper and to the mouth of the bottle. The yoke-wire *l* is of an inverted-U shape, and its lower ends are bent inward toward the bottle-neck. In the neck-wire *m* eyes are formed on opposite sides of the bottle to receive the ends of the yoke-wire *l*.

The lever *h* is so contrived that when the stopper is placed in the mouth of the bottle, and the lever is brought over in fastening the stopper, it carries the yoke-wire *l* past the pivot of the lever, thereby locking the stopper, and holding the arm *k* of the lever in contact with the side of the stopper.

To release the stopper, it is only necessary to raise the longer arm of the lever until the yoke-wire passes the center of the pivot of the lever, when the stopper is thrown out by pressure from within the bottle.

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

The stopper composed of the disks *e f* and connecting portion *g*, substantially as shown and described.

CARL E. G. WINTER.

Witnesses:

W. C. MCCORMICK,

FRANK HADRICK.