

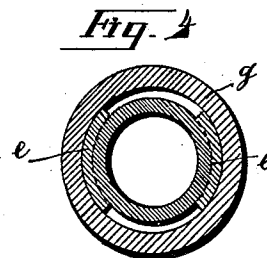
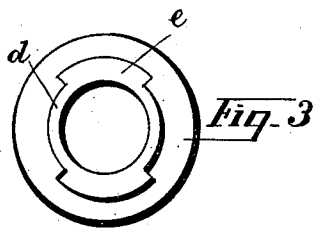
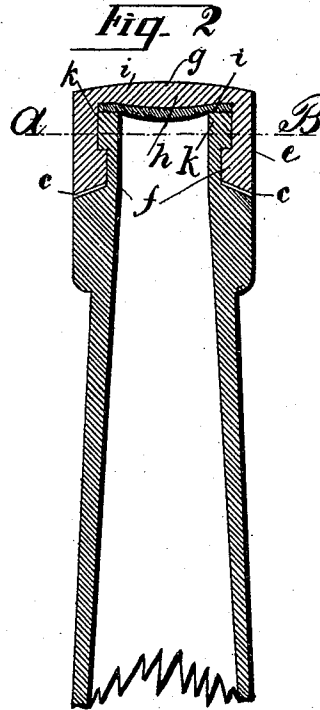
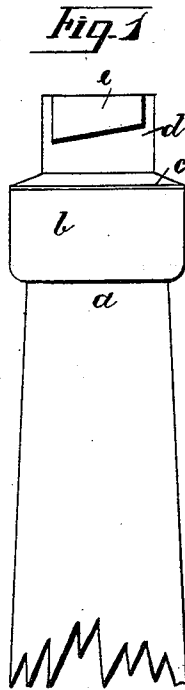
(No Model.)

2 Sheets—Sheet 1.

J. MENKE.
BOTTLE STOPPER FASTENER.

No. 471,013.

Patented Mar. 15, 1892.



Witnesses:-

S. E. Smith.
J. B. Neider

by

Inventor:

Jacob Menke
A. S. Wrenforth.
his attorney

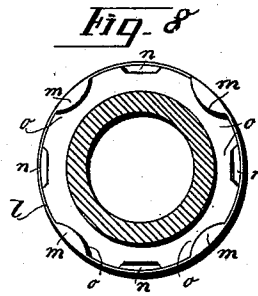
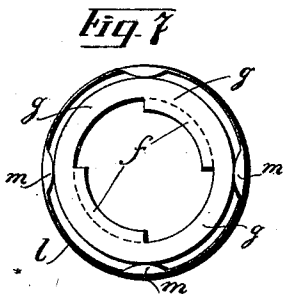
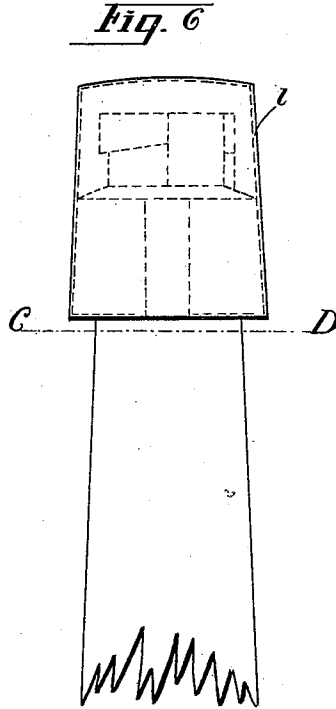
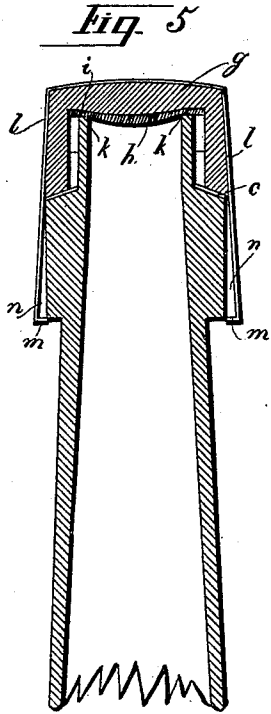
(No Model.)

2 Sheets—Sheet 2.

J. MENKE.
BOTTLE STOPPER FASTENER.

No. 471,013.

Patented Mar. 15, 1892.



Witnesses
S. E. Smith
J. B. Menke

Inventor
by Jacob Menke
A. S. Dyckhoff,
his attorney

UNITED STATES PATENT OFFICE.

JACOB MENKE, OF ANTWERP, BELGIUM.

BOTTLE-STOPPER FASTENER.

SPECIFICATION forming part of Letters Patent No. 471,013, dated March 15, 1892.

Application filed April 17, 1890. Serial No. 348,412. (No model.)

To all whom it may concern:

Be it known that I, JACOB MENKE, merchant, of Antwerp, in the Kingdom of Belgium, have invented new and useful Improvements in Bottle-Stopper Fasteners, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to an improved bottle-closing device which is applicable to all kinds of bottles intended to be filled with sparkling beverages and possesses the advantages of being easily tightened and always ready for operation. A tight joint is made by the improved device not only above at the mouth of the bottle, but also between the stopper and the bottle lip or flange.

Two modifications of the invention are illustrated in the accompanying drawings, Figures 1 to 4 representing one embodiment thereof, and Figs. 5 to 8 representing the other. Fig. 1 represents an elevation; Fig. 2, a sectional elevation. Fig. 3 represents a plan view of the bottle-top, and Fig. 4 represents a section through the bottle and stopper on the line A B, Fig. 2, Figs. 5 to 8 representing the addition of a special cap, which is passed over the stopper and the bottle-neck and secures the whole. Fig. 5 represents a sectional elevation. Fig. 6 represents an elevation. Fig. 7 is a bottom plan view of the cover and cap; and Fig. 8 represents a section on the line C D, Fig. 6.

In the improved stoppering device the neck *a* of the bottle is formed with the usual lip or flange *b*, the top of which is slightly slanting, and is fitted with a washer *c* of leather or other suitable material which will form a tight joint with the cover. On the upper cylindrical part of the bottle-neck two wedge-shaped flanges *e* are molded, which serve for projections *f* on the cover *g* to bear against. The cover *g* has on its upper inner

part *h* a bulge covered by a cork washer *i*. The latter bears against the top *k* of the bottle-neck and makes a tight joint between it and the cover. A second tight joint is made, as above stated, by the leather washer *c*. Such closing device is easily fitted, easily removed, very cleanly, and possesses the advantage of the cover making a tight joint both on the top of the bottle and on the edge of the flange. In order further to secure the cover *g* in position, a cap *l* may be slipped over it, as shown in Figs. 5 to 8. The cap *l* is fitted with studs or projections *m*, which while being passed over the cover *g* and into position slide in suitable grooves *n*, formed in the bottle-neck. If the cap be now turned through a small part of a revolution, the studs *m* will bear against the glass ribs *o*, left between the grooves *n*, thereby preventing the cover *g* from coming off accidentally. To remove the cover, the cap *l* must first be so turned that the projections *m* coincide with the grooves *n* on the bottle-neck.

The cover *g* may be made of glass, metal, wood, or of other suitable material. The cap *l* is preferably made of metal.

What I claim, and desire to secure by Letters Patent of the United States, is—

The combination, with a bottle-neck provided with a series of longitudinal grooves and with a shoulder or flange, of a washer of cork or leather arranged on said flange, a cap resting on the washer and inclosing the neck of the bottle, and a second cap placed over the first and having depending arms provided with bent ends, substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

JACOB MENKE.

Witnesses:

PAUL FISCHER,
WILHELM SCHWICHTAL.