

J. SCHRINK.

Bottle-Stopper or Cork for Bottles.

No. 164,879.

Patented June 22, 1875.

Fig 1

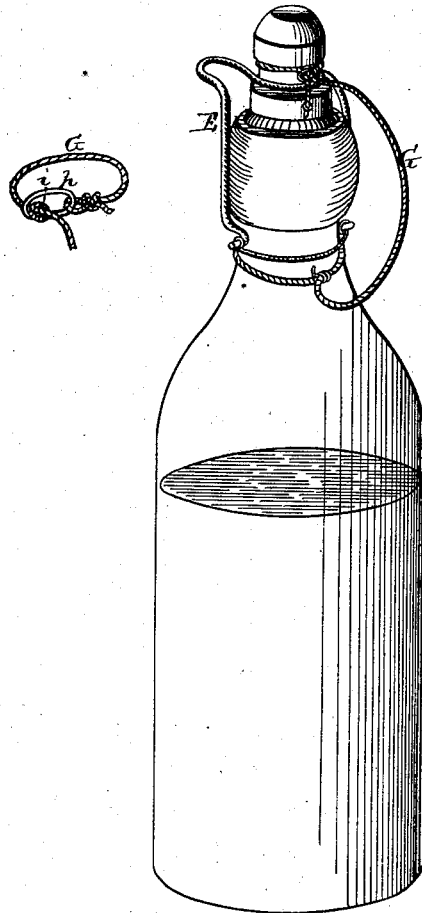
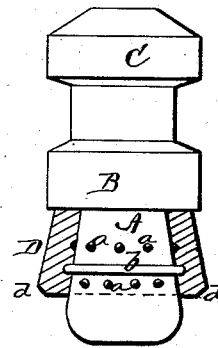


Fig 2



WITNESSES
Frank L. Quard
C. R. Ewert By

INVENTOR
John Schrink -
Alexander Mason
Attorney

UNITED STATES PATENT OFFICE.

JOHN SCHRINK, OF TOLEDO, OHIO.

IMPROVEMENT IN BOTTLE-STOPPERS OR CORKS FOR BOTTLES.

Specification forming part of Letters Patent No. 164,879, dated June 22, 1875; application filed May 19, 1875.

To all whom it may concern:

Be it known, that I, JOHN SCHRINK, of Toledo, in the county of Lucas and in the State of Ohio, have invented certain new and useful Improvements in Bottle-Stoppers, or Corks for Bottles; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification:

The nature of my invention consists in the construction and arrangement of a bottle-stopper designed especially for corking bottles under pressure with a machine known in market as a bottling-machine, for such liquids as Seltzer, and other mineral waters, and any other gaseous liquids, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of a bottle with my stopper inserted therein. Fig. 2 is an enlarged side view of the stopper with the surrounding rubber gasket in section.

A represents the core of my stopper, provided with a center collar, B, and a top knob or collar, C, all formed of one piece of glass. The center collar B is to prevent the rubber D, placed on the stopper A below said collar, from slipping up, and to form a shoulder for hooking a wire or string fastening over, for holding the stopper in the bottle, as shown at E.

Below the collar B on the stopper A are formed small teats or spurs *a a*, and a ring, *b*, over which the rubber D is placed to hold it on, and preventing it from sliding up or slipping off in use. The rubber gasket or ring D is made largest at the lower end, so that when pressed into a bottle it entirely fills the hole at the bottom of the cork, leaving the least possible surface of same exposed to the liquid, the lower corner being beveled, as shown at *d*, to make it enter the neck of the bottling-machine or bottle properly. This rubber is made

of peculiar material, with little or no taste or smell, so that it does not make the liquid taste in the least degree. This stopper can be used under any pressure and with any ordinary bottling-machine, and can be adapted to fit any bottle; and when once pressed in it is perfectly tight, easily held in place, and the peculiar shape renders it easy of removal. The string G is provided with an ordinary loop or noose to fasten around the neck of the bottle, and so arranged as to be easily removed for cleaning the bottles. The other end is provided with a brass ring or loop, *h*, tied in at the end, a knot, *i*, tied in the string a little farther up to prevent the loop from slipping out. This is so arranged that it may be slipped on or off over the top C of the stopper. When the bottle is being filled this loop is slipped off, so that the stopper may be passed through the bottling-machine and pressed into the bottle, when it is again slipped over the top of the stopper and drawn up, so that the stopper will be returned with the bottle and be used over an indefinite number of times. It will be noticed that the part of the stopper A below the center collar B is made slightly conical in form, being thicker at the lower end than immediately below the collar B.

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

1. The glass stopper A, provided with top C and center collar B, and having its lower part made conical and provided with spurs or teats *a a*, and circumferential bead *b*, substantially as and for the purposes herein set forth.

2. In a bottle-stopper the conical rubber gasket D, having its lower edge *d* beveled, as shown, in combination with the core A, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing, I have hereunto set my hand this 4th day of May, 1875.

JOHN SCHRINK.

Witnesses:

WILLIAM A. SKINKLE,
C. L. EVERT.