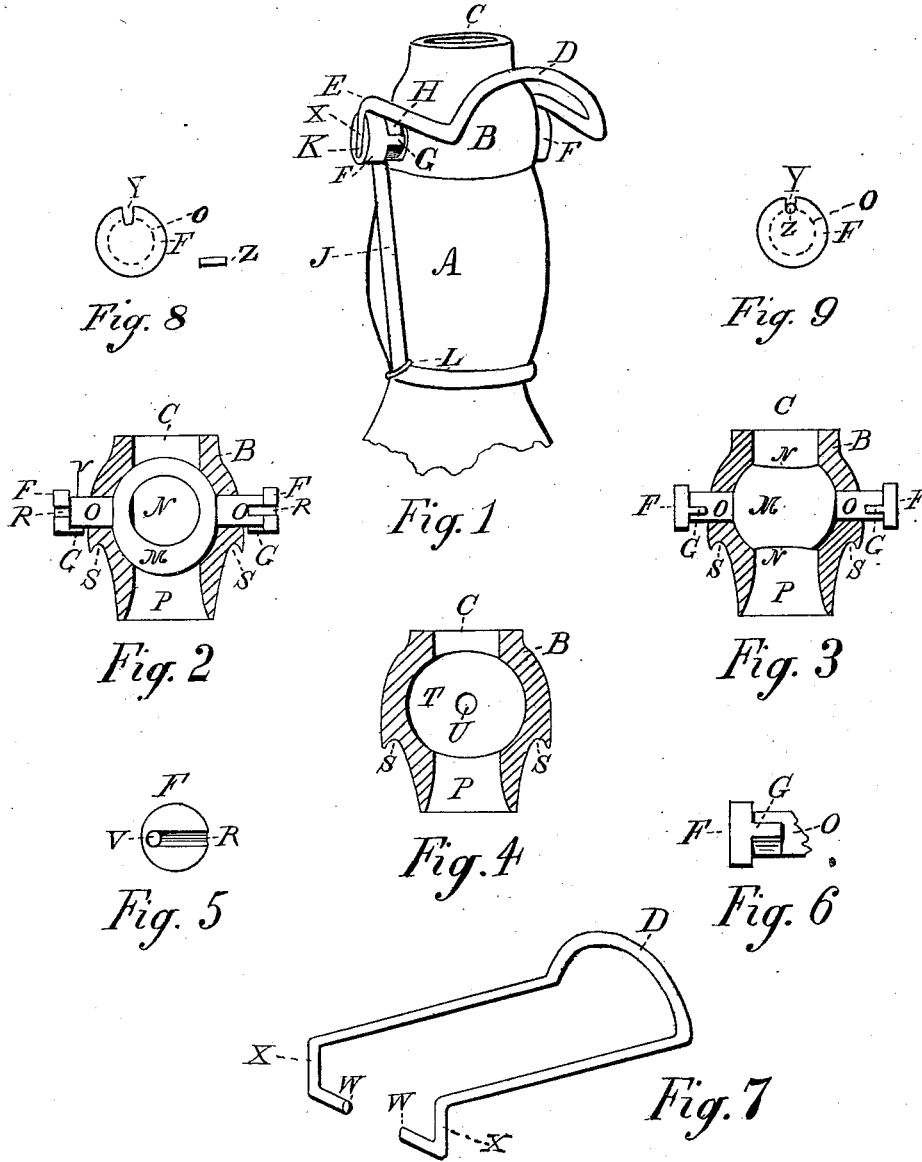


F. J. SEYBOLD.
Bottle-Stopper.

No. 206,270.

Patented July 23, 1878.



Witnesses.
William H. Knight
James P. Shapleigh

Inventor.
Frederick J. Seybold

UNITED STATES PATENT OFFICE.

FREDERICK J. SEYBOLD, OF ST. LOUIS, MISSOURI.

IMPROVEMENT IN BOTTLE-STOPPERS.

Specification forming part of Letters Patent No. 206,270, dated July 23, 1878; application filed March 19, 1878.

To all whom it may concern:

Be it known that I, FREDERICK J. SEYBOLD, of the city of St. Louis, in the county of St. Louis and State of Missouri, have invented a new and useful Improvement in Bottle-Stoppers, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

My invention pertains to that class of articles denominated "bottle-stoppers;" and consists, principally, of the adaptation and application of a continuous flexible case inclosing a flexible or non-flexible revolving stopper, or a continuous flexible or non-flexible case inclosing a flexible revoluble stopper, and securing same to a bottle or other receptacle by proper neck-wires or other suitable fastenings.

This invention differs, principally, from a similar one (application for a patent on which was filed same date as this) in that in this invention the case inclosing the revolving stopper is composed of but one part—that is to say, it is continuous—and in the other invention the case inclosing the revolving stopper is composed of three parts.

In the drawings, Figure 1 gives an elevation of the device on a bottle-mouth; Fig. 2, a vertical section of case with stopper, in elevation, closed; Fig. 3, a vertical section with stopper, in elevation, open; Fig. 4, vertical section of case; Fig. 5, end view of pintles; Fig. 6, side view of pintles; Fig. 7, bail-lever; Figs. 8 and 9, vertical sections of pintles.

B is a flexible or non-flexible case, that incloses a revolving stopper, M, which is either flexible or non-flexible. When the case is non-flexible the stopper is flexible. When the case is flexible the stopper is flexible or non-flexible. This flexibility of these parts permits of the stopper being sprung into position in the case.

C P is the filling and discharging aperture through the case B, and T a recess in the same, in which the stopper M rests. M are apertures, in which pintles O rest. S is a flange or shoulder on case B, which adapts it to the bottle, and prevents the case from tipping on the bottle-mouth. M is the flexible or non-flexible stopper, which may be of any suitable shape desired, as a sphere or spheroid, cylinder or cylindroid, oval or ovoid, or ellipsoid. N is

the filling and discharging aperture through the stopper M. O are the pintles of the same. R is a recess in pintles, in which portions X of bail-lever rest. V is a hole made longitudinally into the end of the pintles, in which portions W of bail-lever rest. One pintle only may be so constructed, while the other has no hole V, but only a recess, R, cut to a depth corresponding to the length of one in-turning projection, W, of the bail-lever. This lever is constructed complete, so as to need no riveting or other such fastening after being placed. One projection W is placed in hole V. The other projection W is laid in slot R, where it is held by the hook H, which covers it and holds it in place. D X is this bail-lever. The bend D allows the lever to fit closely to the bottle-neck. This lever is constructed complete of one continuous piece of wire, and sprung or laid into place in pintles. This construction of lever and pintles allows the lever to be attached instantaneously with no labor or expense of riveting, &c. G is a stop on the pintles, which strikes against the hook H when the stopper has turned to a proper open position and prevents further turning. Y are recesses on pintles, in which rests a slug, by means of which to increase the cam on the same when desired, or to constitute a cam when it is not otherwise constructed on the stopper M, which may be done when desired. Z is a slug that rests in cavity Y.

What I claim as new and as my invention, and desire to secure by Letters Patent, is—

1. A continuous case having a filling and discharging aperture, pintle-apertures U, and flange or shoulder S, as and for the purpose set forth.

2. A continuous flexible case having pintle-apertures U and filling and discharging apertures, as and for the purpose set forth.

3. A continuous flexible case having pintle-apertures U and filling and discharging apertures, in combination with a revolving stopper having pintles, as and for the purpose set forth.

4. The combination of a stopper having pintles and a continuous flexible case having pintle-apertures and a filling and discharging aperture, with a neck-wire or other suitable means for attaching the same to a receptacle, as and for the purpose set forth.

5. The combination of a stopper having pintles and a continuous flexible case having pintle-apertures and a filling and discharging aperture, and a neck-wire or other suitable means for attaching the same to a receptacle, with a lever or other suitable means of rotating the stopper, as and for the purpose set forth.
6. A continuous flexible or non-flexible case having filling and discharging aperture and pintle-apertures, in combination with a flexible revoluble stopper having pintles, as and for the purpose set forth.
7. The combination of a flexible stopper having pintles and a continuous flexible or non-flexible case having pintle-apertures and a filling and discharging aperture, with a neck-wire or other suitable means for attaching the same to a receptacle, as and for the purpose set forth.
8. The combination of a flexible stopper having pintles and a continuous flexible or non-flexible case having pintle-apertures and a filling and discharging aperture, and a neck-wire or other suitable means for attaching the same to a receptacle, with a lever or other suitable means for rotating the stopper, as and for the purpose set forth.
9. A stopper having pintles, constructed

with a hole, V, extending longitudinally into the same, and with slot R, as and for the purpose set forth.

10. A stopper with pintles O, having recess R and holes V, in combination with a bail-lever having projections W, as and for the purpose set forth.

11. The combination of a stopper with pintles, one having recess R and hole V, and the other having recess R only, with a bail-lever having projections W, and a neck-fastening having hooks H, as and for the purpose set forth.

12. A stopper with pintles having one or more recesses, Y, as and for the purpose set forth.

13. A stopper with pintles having recess Y, in combination with slug Z, as and for the purpose set forth.

14. Pintles O, having stop G, in combination with hooks H, as and for the purpose set forth.

FREDERICK J. SEYBOLD.

Witnesses:

LURA MCNALL,
MARY E. SHAW.