

F. J. SEYBOLD.
 Bottle Stopper Fastener.

No. 201,954.

Patented April 2, 1878.

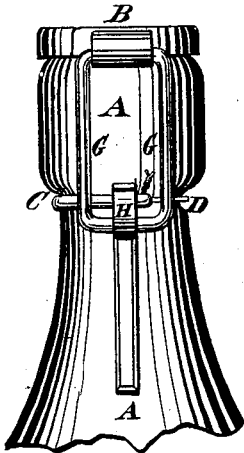


Fig. 1.

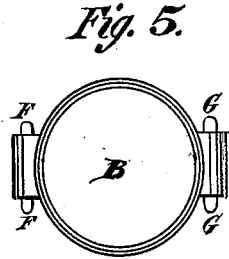


Fig. 5.

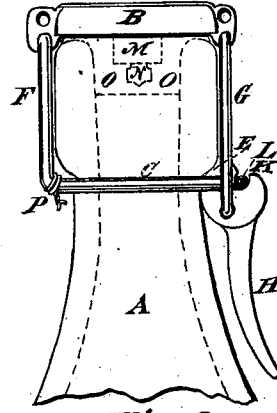


Fig. 2.

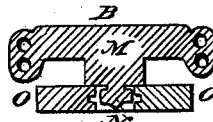


Fig. 6.

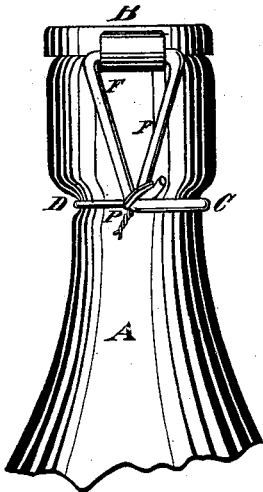


Fig. 3.

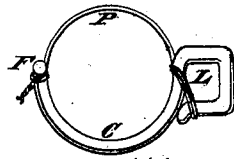


Fig. 7.

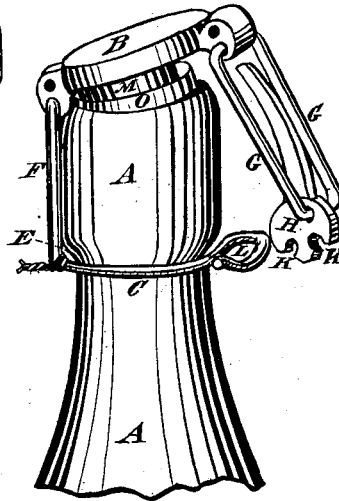


Fig. 4.

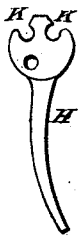


Fig. 8.

Witnesses:

William J. Brooke
 Julius J. Meyer

Inventor:

Frederick J. Seybold.

UNITED STATES PATENT OFFICE.

FREDERICK J. SEYBOLD, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN BOTTLE-STOPPER FASTENERS.

Specification forming part of Letters Patent No. **201,954**, dated April 2, 1878; application filed May 12, 1877.

To all whom it may concern:

Be it known that I, FREDERICK J. SEYBOLD, of the city of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Bottle-Stopper Fasteners, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, in which—

Figures 1, 2, and 3 represent a bottle or jar containing one of my fasteners closed. Fig. 4 represents a bottle or jar containing one of my fasteners just in the act of being closed, showing the manner in which the lever H operates and the means by which the leverage power is gained.

In these two figures, A is the neck of the bottle or jar. B is the binding-plate, to which the rubber is attached that renders the stopper air-tight. C is a neck-wire of peculiar construction. It is curved half-way around the bottle in a groove, D, Figs. 1 and 3, or beneath the shoulder E, Figs. 2 and 4; and one end, F, Figs. 2, 3, 4, 5, and 7, is bent up so as to reach toward the top of the bottle, and it is hooked into the binding-plate B. The part of the wire F is the standard, by which the binding-plate B is held in a position for readily clasping over the mouth of the bottle or jar. The link G is at one end attached to the binding-plate B, and at the other end to the lever H, at a distance from either end of the lever. One end of the lever H, preferably the short end, is constructed with lugs or prongs. (Shown at K, Figs. 2, 4, and 8.) One end of the neck-wire C is constructed with a loop or bend, L, Figs. 2, 4, and 7, and in fastening the stopper down in its place one of the lugs or prongs K is placed in the loop or bend L of the neck-wire C, and the other end of the lever pulled down until it lies against the bottle or other receptacle A, as seen in Figs. 1 and 2. In this position of the lever the link G goes astride of the loop or bend L, the point of attachment of the lever H and the link G falling in back of the point of attachment of

the lever H and the neck-wire C at L. Thus it is seen any upward tendency of the link G only serves to hold the lever H the firmer against the bottle or other receptacle, while the material of the loop or bend L prevents the lever from slipping sidewise, as it might from a simple catch. The binding-plate B is constructed with the shoulder M secured to or formed thereon, and with the bulb N secured to or formed on the shoulder M. The rubber pad O is secured to this bulb N by pressing the bulb N into an orifice in pad O, Figs. 2 and 6. The pad O rests against the shoulder M, and on the shoulder being pressed down into the bottle-neck the pad laps up around the shoulder, forming an air-tight stopper.

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

1. In a stopper and fastener for bottles and other receptacles, the lever H, constructed with two or more lugs or prongs, K, as shown and described, and for the purpose set forth.

2. The neck-wire C, constructed with the loop or bend L, adapted to afford lateral support as well as vertical resistance to a lever, and having standard F, as shown and described, and for the purpose set forth.

3. In combination with a hinged stopper and a neck-wire having loop or bend L, the lever H and link G, as and for the purpose set forth.

4. The combination, with a binding-plate, of the neck-wire C, the lever H, and the link G, as and for the purpose set forth.

5. The combination of the neck-wire C with the lever H, the link G, the binding-plate B, and the pad O, substantially in the manner shown and described, and for the purpose set forth.

FREDERICK J. SEYBOLD.

Witnesses:

JESSIE E. PHELPS,
JOHN S. GORTON.