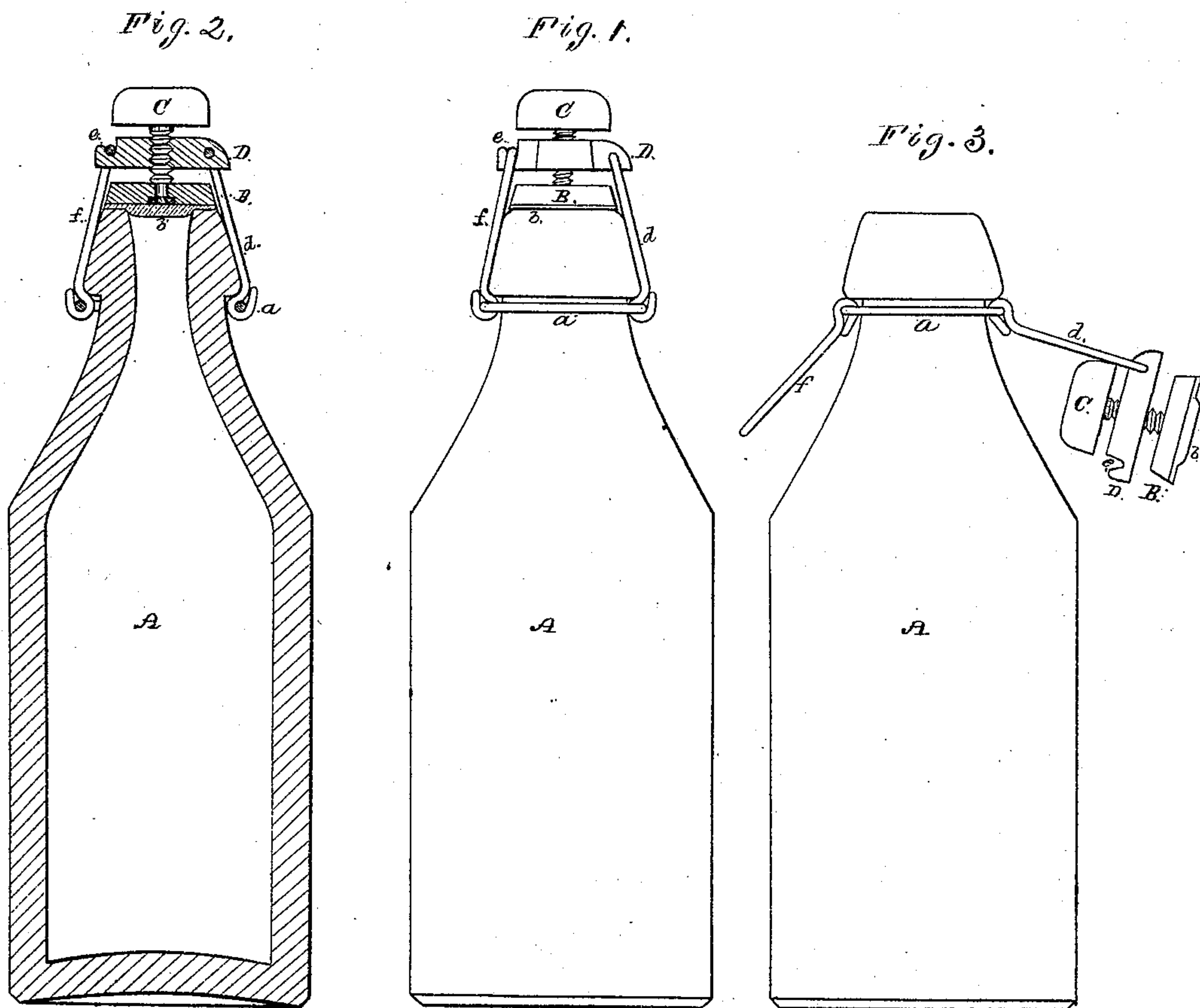


C. W. OSGOOD.
Bottle-Stoppers.

No. 149,331.

Patented April 7, 1874.



Witnesses.

Geo Gray,
H. W. Hale.

Chas. W. Osgood

by his attorney.

H. P. Hale.

UNITED STATES PATENT OFFICE.

CHARLES W. OSGOOD, OF HAVERHILL, MASSACHUSETTS, ASSIGNOR TO
HIMSELF AND AARON H. SALTMARSH, OF SAME PLACE.

IMPROVEMENT IN BOTTLE-STOPPERS.

Specification forming part of Letters Patent No. **149,331**, dated April 7, 1874; application filed
January 12, 1874.

To all whom it may concern:

Be it known that I, CHARLES W. OSGOOD, of Haverhill, in the county of Essex and State of Massachusetts, have invented a new and useful Improvement in Bottle-Stoppers; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, in which—

Figure 1 is a side elevation of a bottle provided with my invention, the same representing the bottle as "sealed." Fig. 2 is a longitudinal section of the same; and Fig. 3, a side elevation, showing the stopper as turned back or away from the mouth of the bottle.

The object of my invention is to provide a simple and effective device to be applied to the mouth of a bottle, preserve-jar, or other article of like character, in order to perfectly seal such vessel, so as to prevent the ingress of air, or the escape of gas or other fluid or matter therefrom; and my invention consists in the novel construction, combination, and arrangement of the parts, as hereinafter described and claimed.

In illustrating my invention I have shown the same as affixed to an ordinary beer-bottle.

In the drawing, A denotes the bottle. Around the shouldered neck thereof is disposed an annular metallic collar or ring, *a*, composed of copper wire or other suitable metal or material. B is the cap or stopper, which is made of metal and provided on its lower surface with one or more layers of cork, rubber, or other suitable elastic or semi-elastic material, *b*, the same being firmly secured thereto by gluing, or in any other suitable manner. Through the axis of the stopper or cap is a small countersunk hole, *c*, to receive the lower end *d* of a screw-rod or thumb-screw, C, which is formed as shown in Fig. 3—that is to say, the lower portion of such is formed plain, or without threads, and of a less diameter than the threaded portion, such diameter corresponding with that of the hole in the cap or stopper. Such end, after being inserted in the said hole, is upset, so as to confine the screw and cap inseparably together, while, at the same time, it allows the

screw-rod to be freely rotated therein. D is a metallic yoke or cross-piece, through the center of which the thumb-screw C passes, one end of such yoke being hinged to the collar *a* by means of a link, *d*, the opposite end of the yoke having a notch or catch, *e*, to receive the eye of a looped link, *f*, whose lower end is hinged or connected with the collar *a*, as shown in Figs. 1 and 2.

Having described the construction of my invention, its operation is as follows:

In order to seal the bottle, the stopper is to be placed over the mouth thereof, and the eye of the locking-link is next to be passed into the notch or catch of the yoke; then, by simply turning the thumb-screw in the proper direction, the cap or stopper may be brought into contact with the mouth or neck of the bottle with any required degree of force to produce a perfectly air and gas tight connection.

In unsealing the bottle, in order to remove the contents thereof, or enable the bottle to be filled, the thumb-screw is to be turned backward sufficiently to enable the eye of the fastening-link to be removed from its catch in the yoke, when the cap or stopper may be turned into the position as shown in Fig. 3.

From the above, it will be seen that by my peculiar construction and arrangement of the parts of the said device, the whole may be readily applied to a bottle or jar, and the stopper closed upon or removed from the mouth thereof with great ease, while the combined arrangement of the screw, the cap, and the yoke prevents such parts from becoming separated, mislaid, or lost.

Having described the construction and operation of my invention, what I claim is—

The combination of the cap B, the thumb-screw C, and yoke D, constructed and connected in manner as described, with the collar *a* and hinged links *d f*, the whole being applied together and to the neck of a bottle, or its equivalent, as and for the purpose set forth.

CHARLES W. OSGOOD.

Witnesses:

F. P. HALE,
F. C. HALE.