

(No Model.)

E. L. LLOYD.  
BOTTLE STOPPER.

No. 280,196.

Patented June 26, 1883.

FIG. 1.

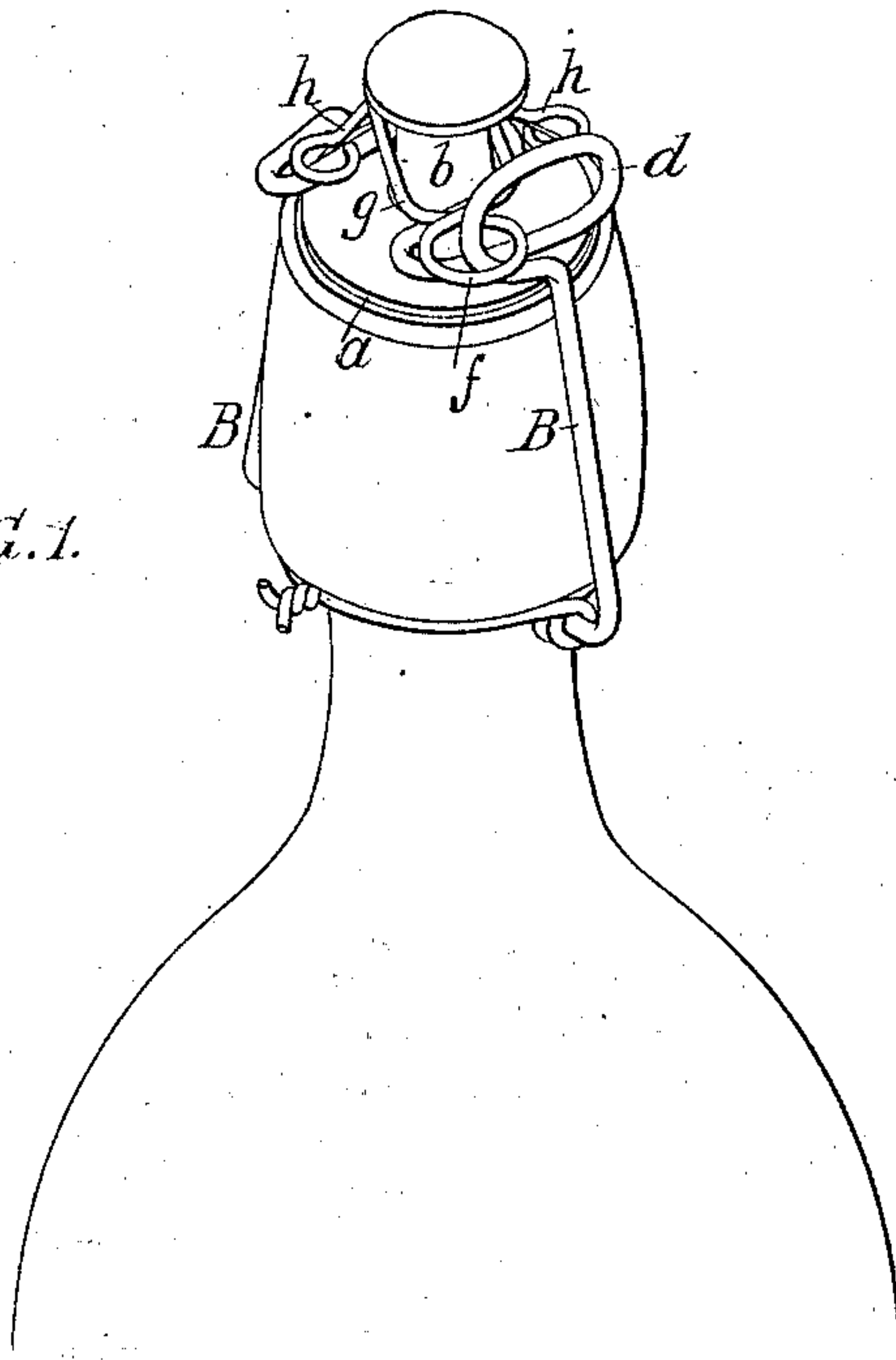


FIG. 3.

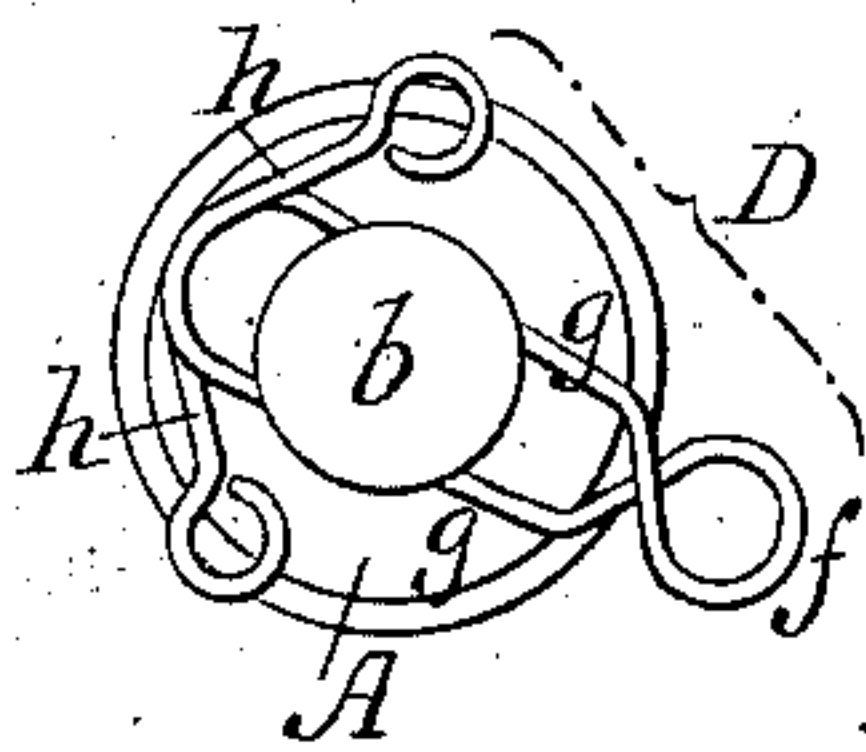


FIG. 2.

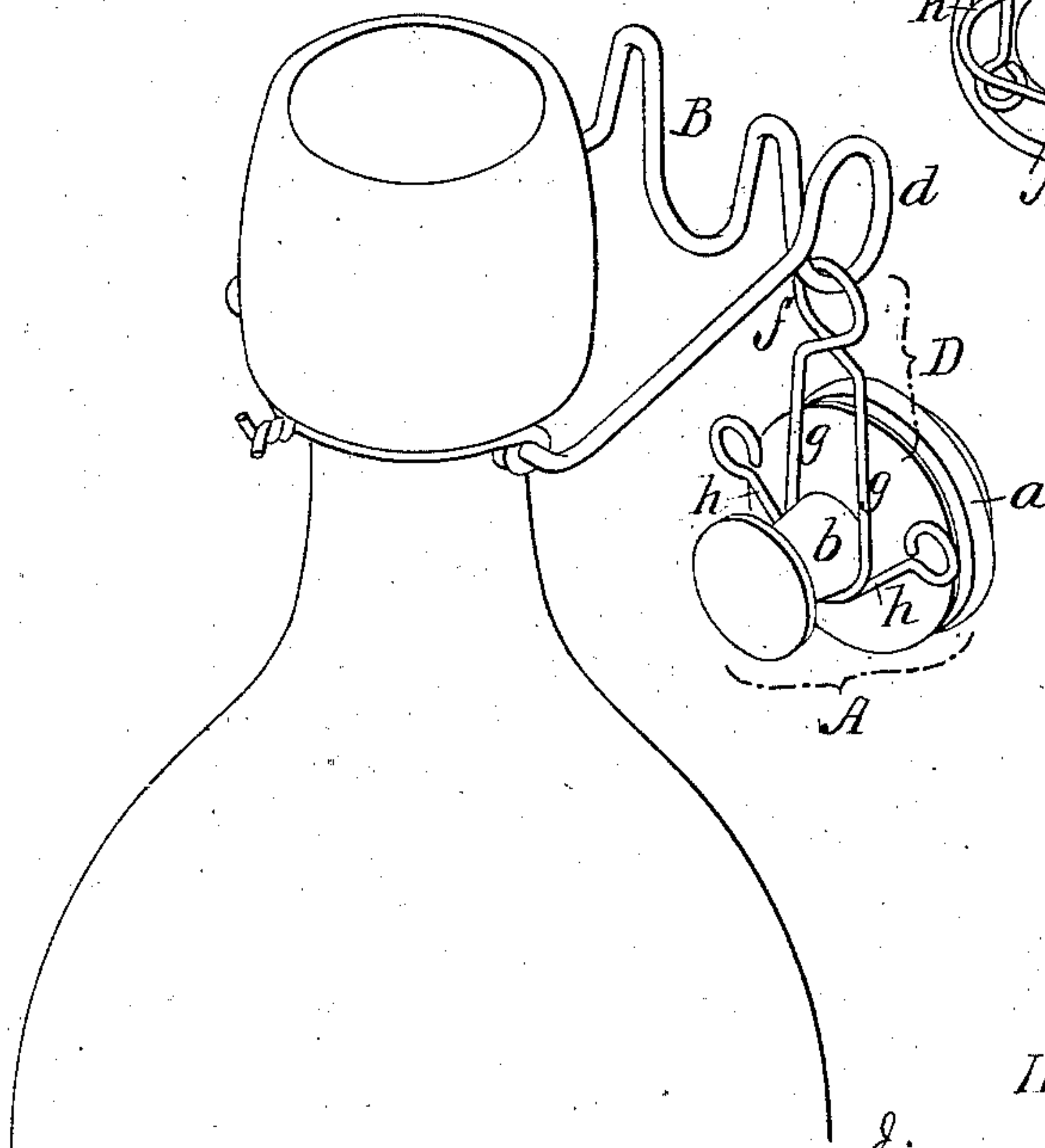
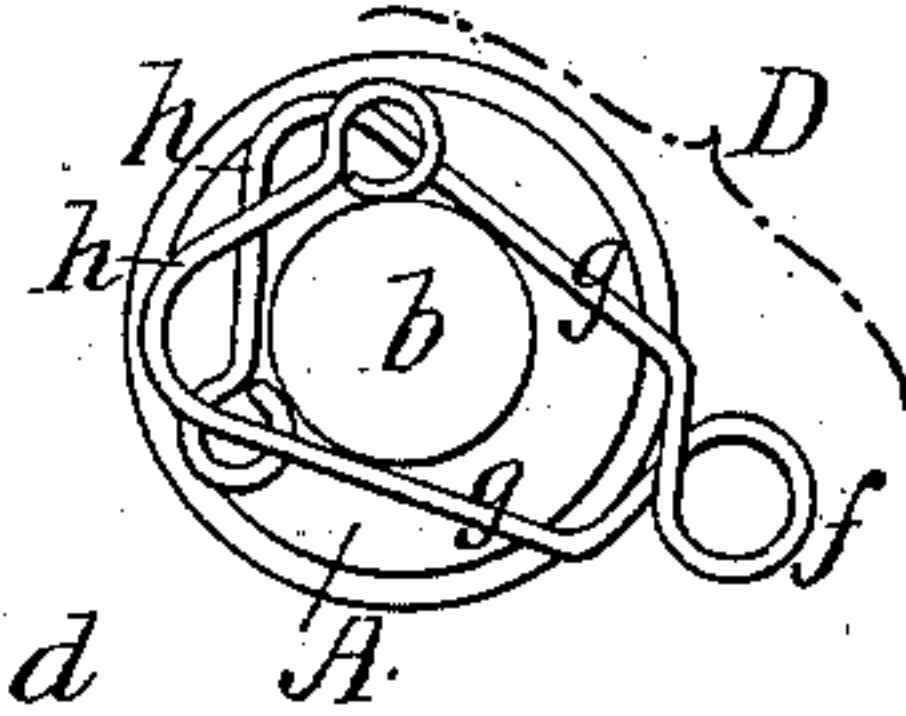


FIG. 4.



WITNESSES:

James F. Johns  
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INVENTOR:

Edmund L. Lloyd  
by his Attorneys  
Howson & Co.

# UNITED STATES PATENT OFFICE.

EDWIN L. LLOYD, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO CHARLES C. JOLY, OF SAME PLACE.

## BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 280,196, dated June 26, 1883.

Application filed May 22, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, EDWIN L. LLOYD, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain Improvements in Bottle-Stoppers, of which the following is a specification.

My invention relates to certain improvements in the bottle-stopper described in my application No. 82,354, filed January 19, 1883, the objects of my present improvements being to simplify the construction of the cork-holder, to lessen the risk of injuring the same while the bottle is being handled or transported, and to prevent the accidental release of the cork from the control of the holder.

In the accompanying drawings, Figure 1 is a perspective view of part of a bottle with my improved stopper, the latter being applied to the mouth of the bottle; Fig. 2, the same with the stopper removed, and Figs. 3 and 4 plan views of the cork and cork-holder.

A is the cork, which, as in the former stopper, comprises a metallic disk with a packing-ring, *a*, and a central stem, *b*, the latter being embraced by the central loop of the retainer B, which consists of a yoke hung to a wire on the neck of the bottle and bearing on the cork. At one side of the retainer the wire composing the same is bent so as to form an eye, *d*, and to this eye is hung the cork-holder D, which consists of a piece of elastic wire bent to form an eye or coil, *f*, and arms *g g*, each bent inward at the outer end, *h*. By pressing together these bent ends *h* of the arms *g*, said arms can be expanded so as to readily slip over the head of the stem *b*, as shown in Fig. 4, and on releasing the bent ends of the arms the latter will close on the stem, as shown in Fig. 3, and thus prevent the cork from being accidentally detached from the retainer.

In the former stopper the cork-holder was

adapted to close the mouth of the central loop of the retainer, and when in place it hung down by the side of the bottle-mouth and was subject to injury during the handling or transportation of the bottle, or by being struck and thrown backward over the cork was liable to become detached from said cork, so as to fail to catch the same when the retainer was pressed off. These objections I overcome by the present construction, in which the holder rests on the top of the cork and has no portion projecting beyond the same to be struck and injured during the handling of the bottle, and as the pressing together of the bent ends of the arms *g* is necessary before the cork can be detached from the holder, the accidental release of the cork is effectually prevented.

I claim as my invention—

1. The combination of the cork having a stem, *b*, the retainer having a side eye, *d*, and the cork-holder adapted to the stem *b* and hung to the eye *d*, as set forth.

2. The combination of the cork having a stem, *b*, the retainer having the side eye, *d*, and the cork-holder hung to said eye and comprising the coil *f* and arms *g*, with bent ends *h*, as set forth.

3. The retainer B, consisting of a yoke adapted to bear on the cork, and having a side eye, *d*, as set forth.

4. The holder D, comprising the coil *f* and the elastic arms *g g*, having bent ends *h*, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EDWIN L. LLOYD.

Witnesses:

HARRY L. ASHENFELTER,  
HARRY SMITH.