

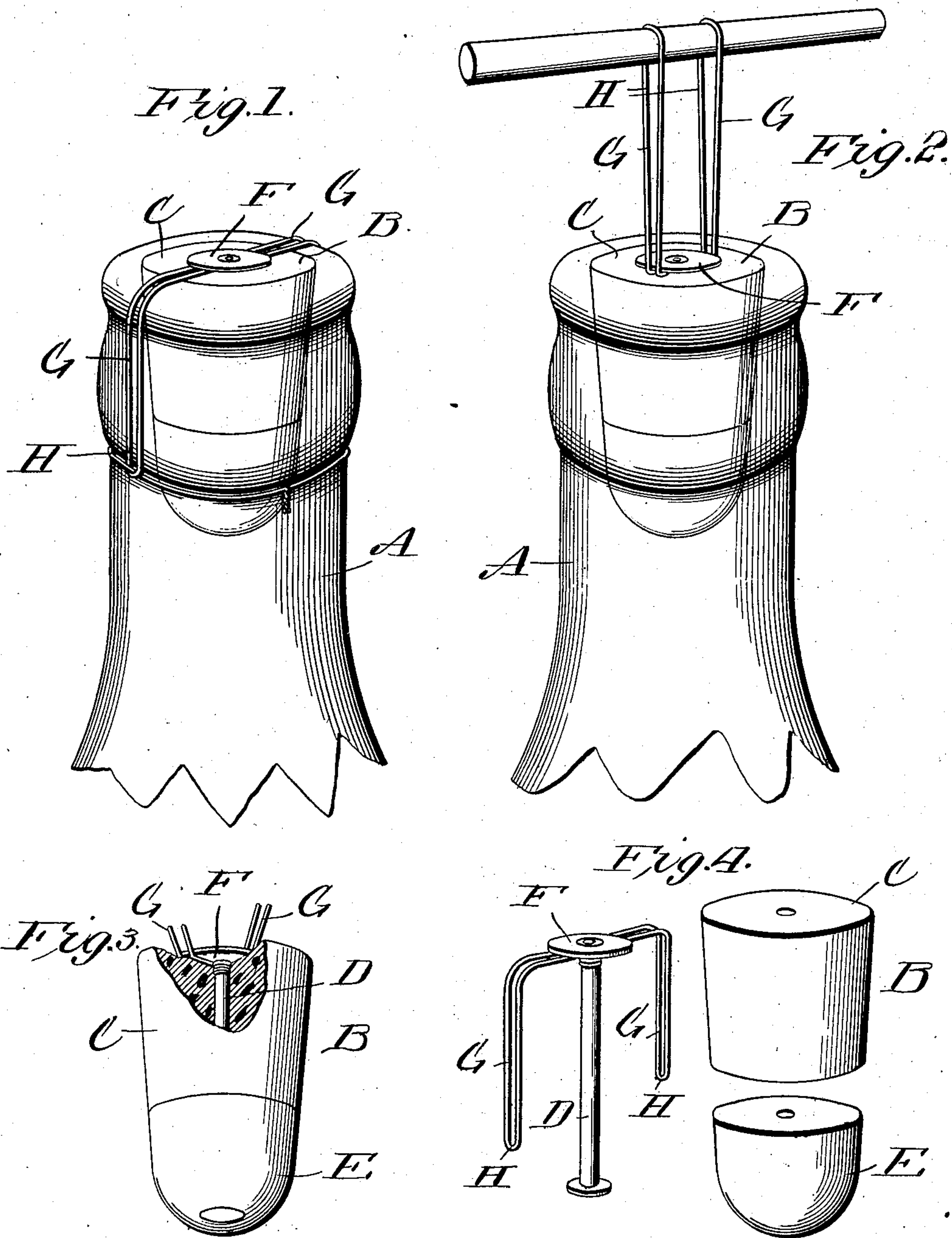
No. 737,025.

PATENTED AUG. 25, 1903.

S. H. ROGERS.  
BOTTLE STOPPER.

APPLICATION FILED MAY 25, 1903.

NO MODEL.



WITNESSES

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## UNITED STATES PATENT OFFICE.

STAR HENRY ROGERS, OF MACON, GEORGIA.

## BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 737,025, dated August 25, 1903.

Application filed May 25, 1903. Serial No. 158,706. (No model.)

*To all whom it may concern:*

Be it known that I, STAR HENRY ROGERS, a citizen of the United States, residing at Macon, in the county of Bibb and State of Georgia, have invented new and useful Improvements in Bottle-Stoppers, of which the following is a specification.

This invention relates to certain new and useful improvements in bottle-stoppers; and it has for its object the construction of a bottle-stopper and the combination therewith of simple and inexpensive means whereby the cork or stopper may be readily removed from the bottle at any time without the necessity of using a corkscrew or other independent stopper-removing device and without injury to the stopper. The attachment to the stopper which is designed for use in removing the same is also adapted for use as a locking means for securing the stopper in place in the neck of the bottle when the same is designed for shipment or storage.

To these ends and to such others as the invention may pertain the same consists in the novel construction of the stopper and its attachments and in the peculiar combination, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the accompanying drawings, and then specifically defined in the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this application, and in which drawings—

Figure 1 is a perspective view showing my device in position with the stopper shown as locked in place in the neck of the bottle. Fig. 2 is a like view of the device, the stopper-removing attachment being shown in position for withdrawing the stopper. Fig. 3 is a detail perspective view of the stopper, parts being broken away in order to better illustrate the construction; and Fig. 4 is a detail view in perspective showing the several parts of the stopper separated.

Reference now being had to the details of the drawings by letter, A designates a bottle, and B my improved form of stopper or cork, the said stopper consisting of a body portion C, which may be of cork or other substance found adapted to the purpose. This body portion is provided with a central opening

through which is passed a wire or shank D, upon the lower end of which is carried and securely attached thereto an enlarged end portion E, preferably constructed of rubber, but which may be of any other substance found adapted to the purpose and provided in order to produce a tight fit within the neck, thereby preventing leaking of the bottle. The cork or body portion of the device C is passed downward on the shank D, and the upper end of the shank is provided with a suitable flanged head portion F, which has a bearing directly upon the upper end of the cork. Secured to the shank D immediately below the headed upper end of the same are the ends of wires G G, the body portions of said wires being formed into loops, as shown at H H. These loops H are bent upward and provide a means whereby the cork may be withdrawn from the bottle when it is desired to remove the same. When the cork is seated, the loops are bent down over the outer edges of the bottle-neck and are held in position by a wire or band around the neck of the bottle and extending through the loops or other suitable means passed about the same, which serve to hold the stopper securely in position in the neck of the bottle and prevent the same from being accidentally displaced from any cause.

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

A bottle-stopper comprising a cork which is centrally apertured, a flexible end portion E thereto, a rod D passing through said cork and end portion, a flange at the inner end of said rod engaging the outer convexed surface of the end portion, a disk F fitted to the outer end of the rod, a wire twisted about said rod and formed into loops, the strands of said wires being clamped by the disk F against the outer end of the cork, and the loops forming means for withdrawing the cork, as set forth.

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

STAR HENRY ROGERS.

Witnesses:

C. A. EDEN,  
JOE. A. DALY.