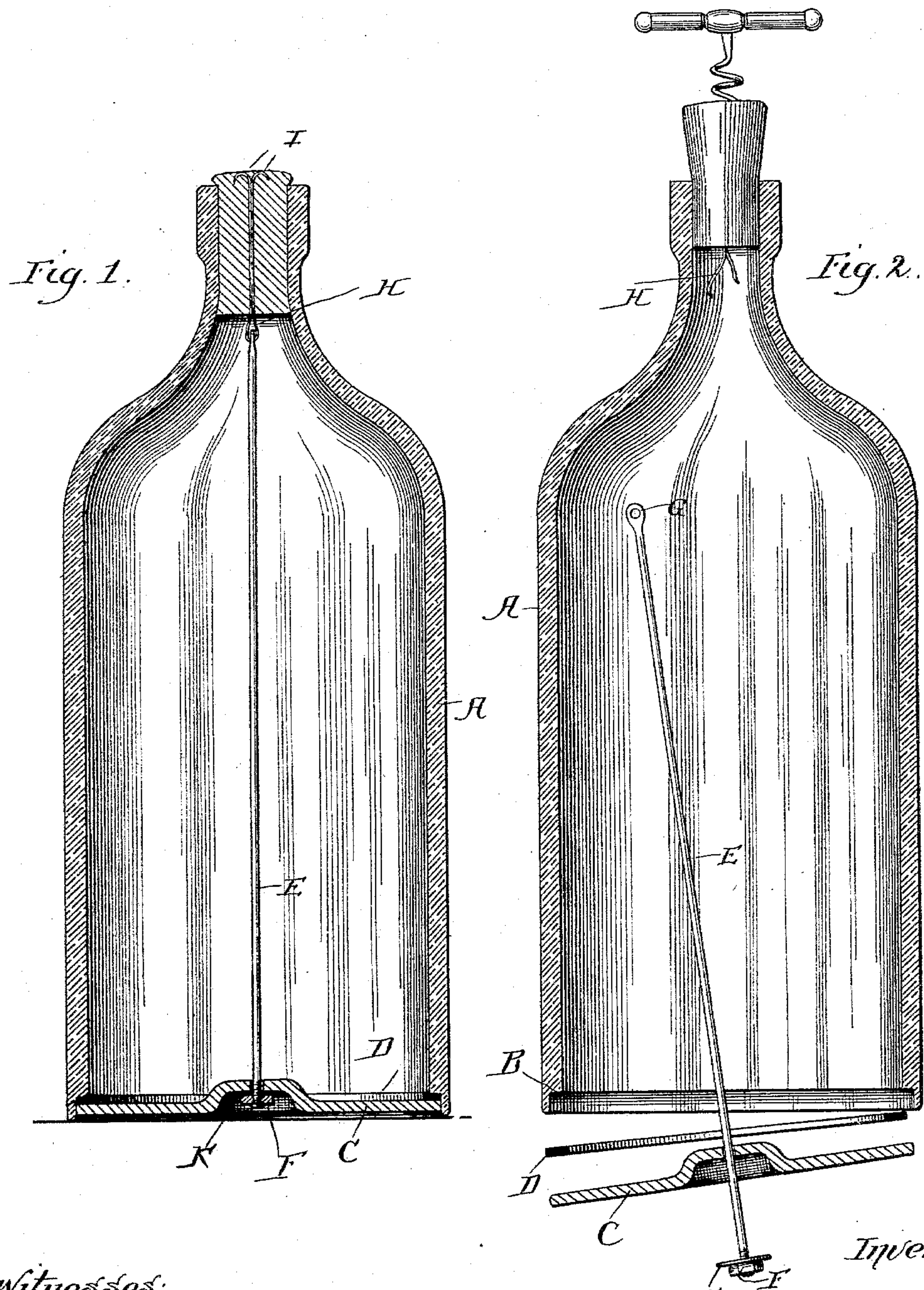


(No Model.)

D. A. GILLIOM.
NON-REFILLING BOTTLE.

No. 597,767.

Patented Jan. 25, 1898.



Witneffens:

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UNITED STATES PATENT OFFICE.

DANIEL A. GILLIOM, OF BERNE, INDIANA.

NON-REFILLING BOTTLE.

SPECIFICATION forming part of Letters Patent No. 597,767, dated January 25, 1898.

Application filed February 16, 1897. Serial No. 623,591. (No model.)

To all whom it may concern:

Be it known that I, DANIEL A. GILLIOM, a citizen of the United States, residing at Berne, in the county of Adams and State of Indiana, have invented certain new and useful Improvements in Non-Refilling Bottles, of which the following is a specification.

My invention relates to a new and useful improvement in non-refilling bottles, and has for its object to provide such a bottle which when once filled and afterward emptied cannot be refilled, thereby preventing the fraudulent sale of liquids of an inferior make under the original label; and with these ends in view my invention consists in the details of construction and combination of elements hereinafter set forth, and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, I will describe its construction and operation in detail, referring by number to the accompanying drawings, forming a part of this specification, and in which—

Figure 1 is a central vertical section of a bottle made in accordance with my improvement, and Fig. 2 a similar view showing the condition of the bottle after the cork has been started.

Referring to the drawings, A represents a bottle which has its lower end opened and so formed as to produce an annular shoulder B, which may be closed by the cap C, made to fit within the lower end of the bottle and against the annular flange or a rubber packing D, interposed therebetween. This cap is held in place by a rod E, which passes through a suitable opening therein and has a nut F threaded upon its lower end, which rests within a depression in the cap, so as not to interfere with the standing of the bottle upon a small surface. The upper end of the rod is provided with an eye G, through which passes a wire or thin metal strip H, and the latter is adapted to be secured within the cork by passing within the center thereof and having its upper ends turned outward to form hooks I.

From this description it will be seen that to put my improvement in practice the rod is secured to the cork, as just described, the latter is securely placed within the neck of the bottle, the bottle inverted and filled through its bottom, the cap C placed in posi-

tion with the rod projecting through the opening therein, after having first interposed the rubber packing D, and a suitable washer G placed over the end of the rod, and finally the nut F run thereon, so as to draw the several parts tightly together, and in order to prevent the removal of the bottom the end of the rod is headed up, thus securely retaining the nut in position. When it becomes desirable to withdraw the contents from the bottle, the latter is placed over a suitable receptacle and the cork drawn by any well-known means, which by so doing will break the strip H where it passes through the eye G, thus permitting the bottom of the bottle to fall out and the contents to flow into the receptacle. After the strip has been once severed it will be seen that the bottom of the bottle cannot be replaced, and therefore said bottle cannot be refilled and its contents sold as the original package.

Having thus fully described my invention, what I claim as new and useful is—

1. In combination with a bottle having an open bottom, a shoulder formed near the lower edge thereof; a packing adapted to fit against said shoulder; a cap adapted to fit upon said packing; a rod passed through said cap; a nut secured upon the end of said rod; a fragile strip attached to the upper end of said rod and secured to the cork, whereby, when the latter is drawn, said strip will be severed and the cap released, as specified.

2. The herein-described combination of a bottle having an open bottom, a shoulder formed at the lower edge thereof; a packing resting against said shoulder; a cap C adapted to bear against said packing; a rod E passing through said cap; a nut secured upon the lower end of said rod to prevent its withdrawal through the cap; a washer interposed between said nut and the cap; an eye formed in the upper end of the rod; a fragile strip passed through said eye and projecting into a suitable cork, its upper ends being turned over so as to form hooks, to prevent the withdrawal of said strip, as shown and for the purposes set forth.

In testimony whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

DANIEL A. GILLIOM.

Witnesses:

JOHN E. ROSE,
JOB SMITH.