

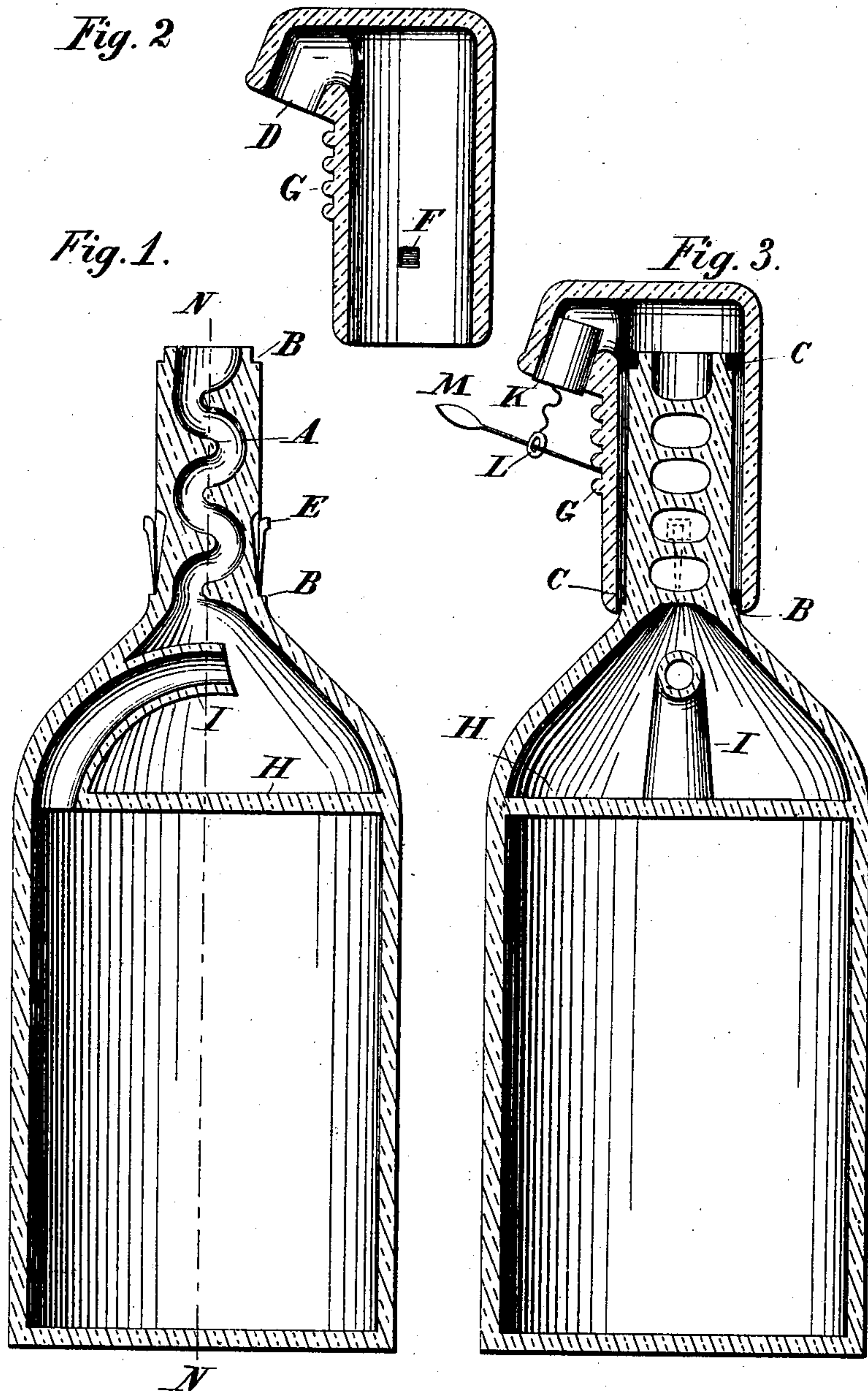
No. 678,102.

Patented July 9, 1901.

H. CREMER.
NON-REFILLABLE BOTTLE.

(Application filed July 18, 1900.)

(No Model.)



Witnesses:
John Dorn
Peter Seyl

Inventor:
Henry Cremer

UNITED STATES PATENT OFFICE.

HENRY CREMER, OF CHICAGO, ILLINOIS.

NON-REFILLABLE BOTTLE.

SPECIFICATION forming part of Letters Patent No. 678,102, dated July 9, 1901.

Application filed July 18, 1900. Serial No. 24,022. (No model.)

To all whom it may concern:

Be it known that I, HENRY CREMER, a citizen of the United States, residing at 17 Burling street, Chicago, in the county of Cook and State of Illinois, have invented a new Bottle, of which the following is a specification.

My invention relates to improvements in a bottle, in which bottle and neck are one piece not to be separated. The neck is interiorly provided with alternate projections, supposed to be built by pressing the neck of the bottle snake-shaped. The bottle has under its neck a partition or wall, building an apartment to receive the liquid before entering the main apartment. A pipe extending upward in the upper apartment is to lead the liquid to the main apartment. The bottle has a separate mantle or casing which is to be put over the neck after filling of the bottle and fastened permanently to the neck by springs inserted outside in the neck, which snap into recesses in the mantle, all made of glass except the springs.

The object of my improvements is to prevent fraudulent refilling of the bottle. I attain this object by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a vertical section of the bottle and neck without mantle. Fig. 2 is a vertical section of the mantle. Fig. 3 is a vertical section of the bottle with the mantle in place, cut by dotted line N N of Fig. 1.

Similar letters refer to similar parts throughout the several views.

The neck of the bottle, Fig. 1, is inside provided with alternate projections A, supposed to be built by pressing the neck of the bottle snake-shaped. The neck has on its upper and lower end a set-off or seat B to hold cork or rubber packings C.

The mantle or casing, Fig. 2, which is to be put over the neck after filling, as shown by Fig. 3, has its outlet or mouth D bent over the top of the neck to the side of the neck downward. Outside of the neck are springs E, let in (cast in) to the glass, which snap into recesses F inside of the mantle, right and left side of the outlet. The mantle is also provided with cuts or ribs G outside under the

outlet, which is supposed to be a resting-place for a lever M, by which the cork K is to be extracted. The cork-puller L, with a ring or nose as handle small enough so it can turn, is to be screwed into the cork stopper. The lever M is passed through the nose or ring of the cork-puller L, resting with one end on the ribs G and pulled or lifted at the other end, as shown by Fig. 3. The bottle has under the neck a partition H with a bent pipe or tube I extending upward from the partition to the neck, crossing the same partially. The liquid enters the main apartment through said pipe.

After the bottle is filled the mantle is to be put over the neck of the bottle and is fastened permanently to the neck by said springs inserted in the neck, which snap into recesses in the mantle. The cork packing makes the mantle air-tight, so the mantle cannot shake or even move on the neck. After the bottle is emptied the downward-bent outlet of the mantle makes it necessary to lay the bottle on its side to fill it again, and by an attempt to do so the air, hindered by the projections in the neck, which are obtained or built by way of pressing the neck snake-shaped, cannot get out. The liquid is hindered in the same way by the air and cannot get in.

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

A non-refillable bottle comprising a body portion, a transverse partition near the upper end of the body portion, a curved tubular part communicating with a perforation at one side of the transverse portion, a neck portion provided in its interior with a sinuous passage, and upon its exterior with spring-catches, a mantle consisting of a tubular portion having recesses upon its interior engaging with the spring-catches, said mantle being closed at the top, and being provided at one side with an outwardly-directed outlet.

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

HENRY CREMER.

Witnesses:

GEORGE GALLENGER,
JOHN DORN.