

J. B. MILLER.
Bottle-Stoppers.

No. 156,302.

Patented Oct. 27, 1874.

Fig. 1.

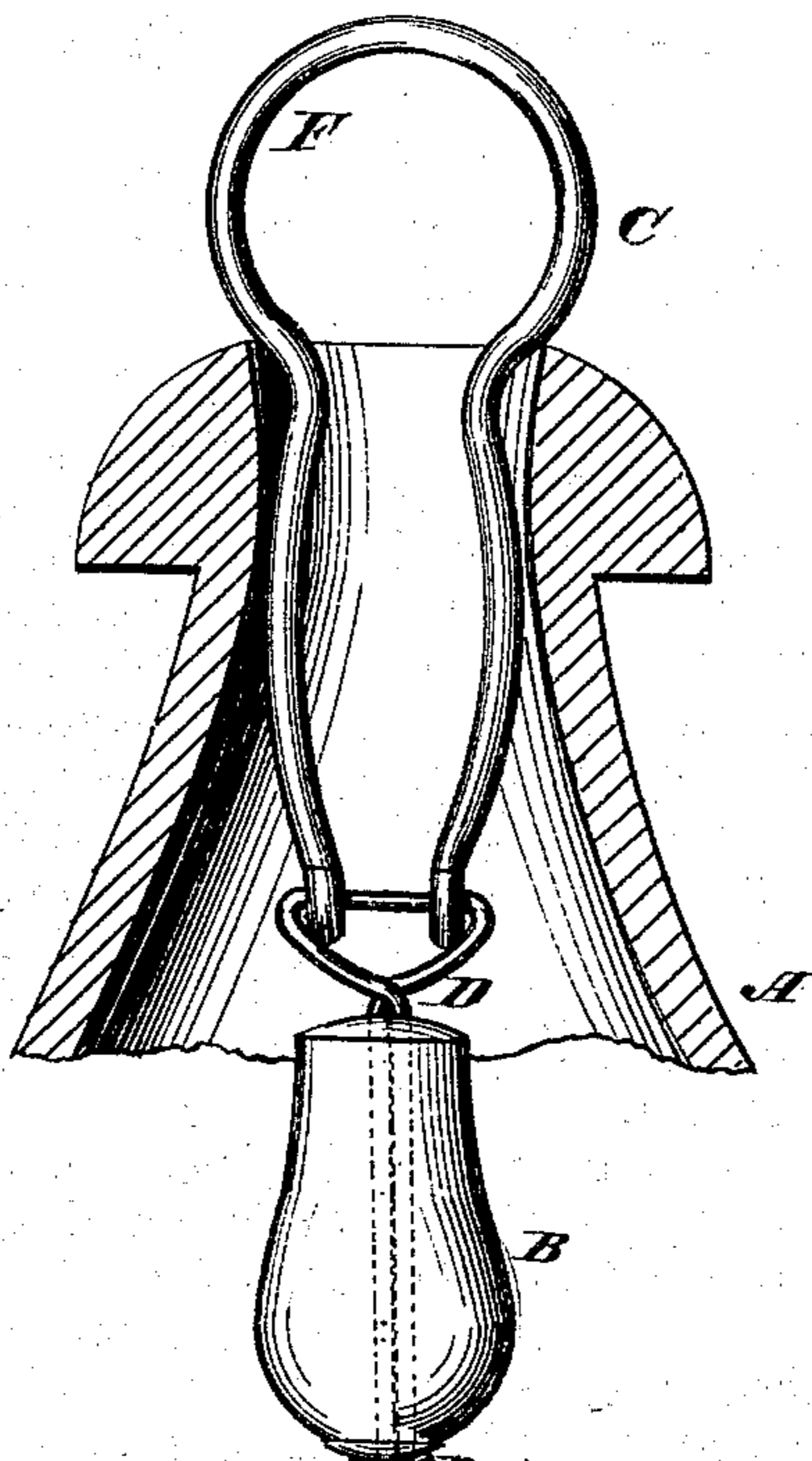
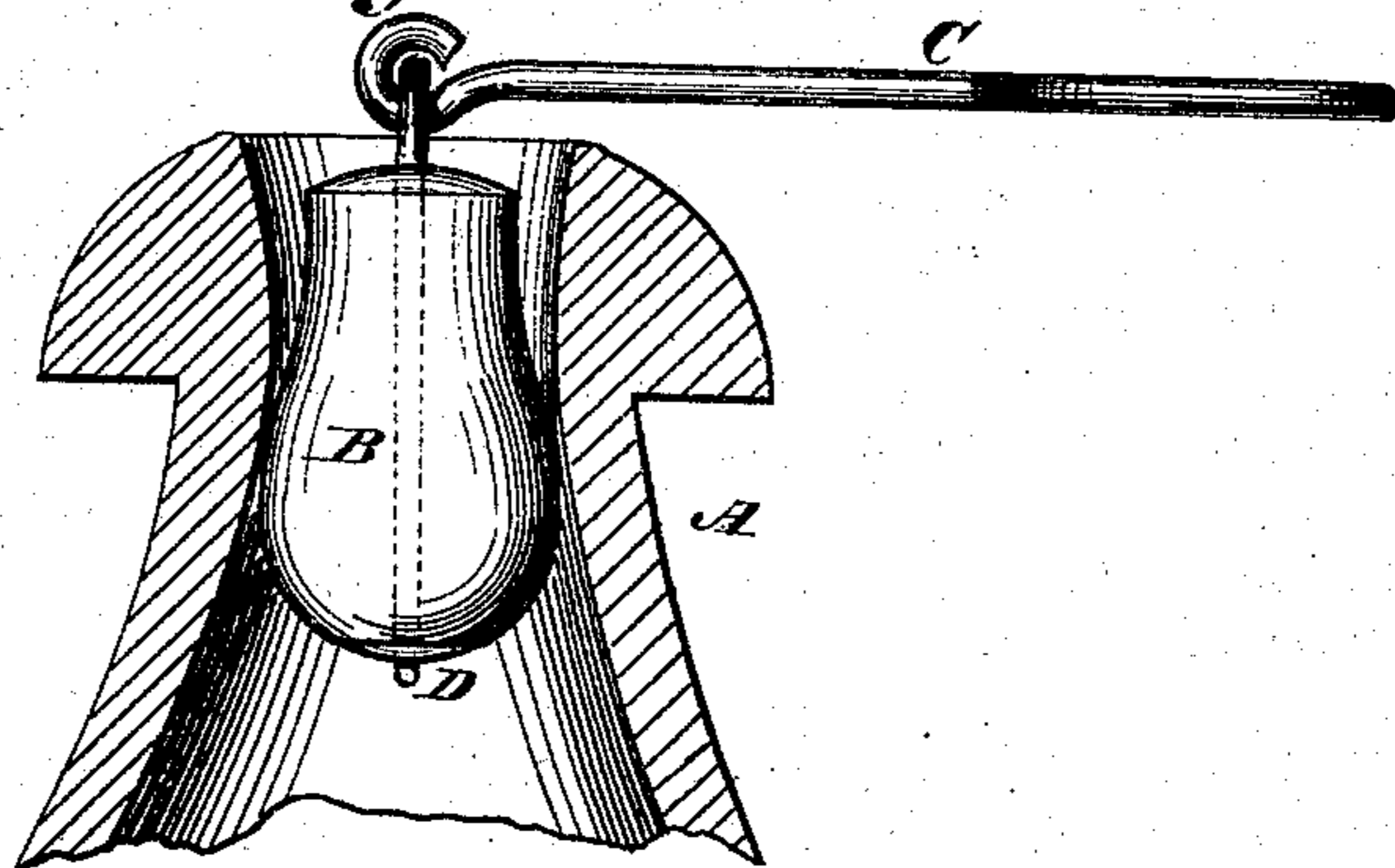


Fig. 2.



WITNESSES:

Francis McArdle.
C. Sedgwick.

INVENTOR:

J. B. Miller
BY *Munn & Co.*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOEL B. MILLER, OF RONDOUT, NEW YORK, ASSIGNOR TO HIMSELF AND
AUGUST YOST, OF SAME PLACE.

IMPROVEMENT IN BOTTLE-STOPPERS.

Specification forming part of Letters Patent No. **156,302**, dated October 27, 1874; application filed
January 31, 1874.

To all whom it may concern:

Be it known that I, JOEL B. MILLER, of Rondout, in the county of Ulster and State of New York, have invented a new and useful Improvement in Bottle-Stoppers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a vertical section, giving a side view of the attachment, showing the stopper detached from the neck, or loosened so as to allow of the discharge of the contents of the bottle. Fig. 2 is a vertical section, giving an edge view of the attachment, showing the stopper closing the neck.

This invention relates to that class of bottle-stoppers which are located inside the bottle to close the mouth of the same; and it consists in providing a stopper, arranged in the manner referred to, with a bail or handle hinged or jointed to the top of the stopper, and provided with an enlarged upper end or eye, which is designed to prevent the stopper from falling to the bottom of the bottle, and also to serve as a handle or finger-loop to facilitate the drawing of the stopper into the neck of the bottle.

A represents the bottle. B is the stopper, and C is the attachment. D is a wire or rod which passes longitudinally through the stopper, or is in any manner substantially attached to it, having an eye at its upper end, to which the handle or bail C is fastened, as seen in the drawing. The handle or bail is composed of a wire or rod, which is bent to form two parallel arms or legs, and a loop or eye, F, at its upper end, said loop being designed to prevent the handle from slipping into the bottle. The handle is staple-shaped, and the legs of

the staple bow outward, so as to form springs which bear against the sides of the throat.

To fill the bottle or discharge its contents the stopper is forced down and suspended in the bottle, as seen in Fig. 1.

For closing the bottle, the stopper is drawn up, as seen in Fig. 2, as tightly as it could be if forced down from the outside in the usual manner. It is forced down, and raised up for opening or closing with perfect ease, the peculiar form of bail or handle greatly facilitating the opening and closing of the bottle.

I am aware that internally-located bottle-stoppers have been provided with vertical rigid handles or stems, for manipulating the same, but owing to the rigid character of the handle the stopper is apt to be forced down into the bottle during transportation, and, furthermore, in dispensing the contents of the bottle, a rigid handle will interfere with the free flow of the liquid.

My invention is designed to avoid these defects, for, by hinging or jointing the handle to the stopper, the same can be turned away from the mouth of the bottle in dispensing the contents thereof, and, furthermore, by making the handle of a bow shape, or with two legs or branches, the latter will, owing to their elasticity, spring against the throat of the bottle, so as to render the casual displacement of the stopper impossible.

What I claim is—

The internally-located bottle-stopper B, provided with a hinged or jointed handle or bail, C, composed of two elastic legs or branches, and an eye or finger-loop, as and for the purpose set forth.

JOEL B. MILLER.

Witnesses:

HENRY YOST,
LEWIS W. YOST.

750 words