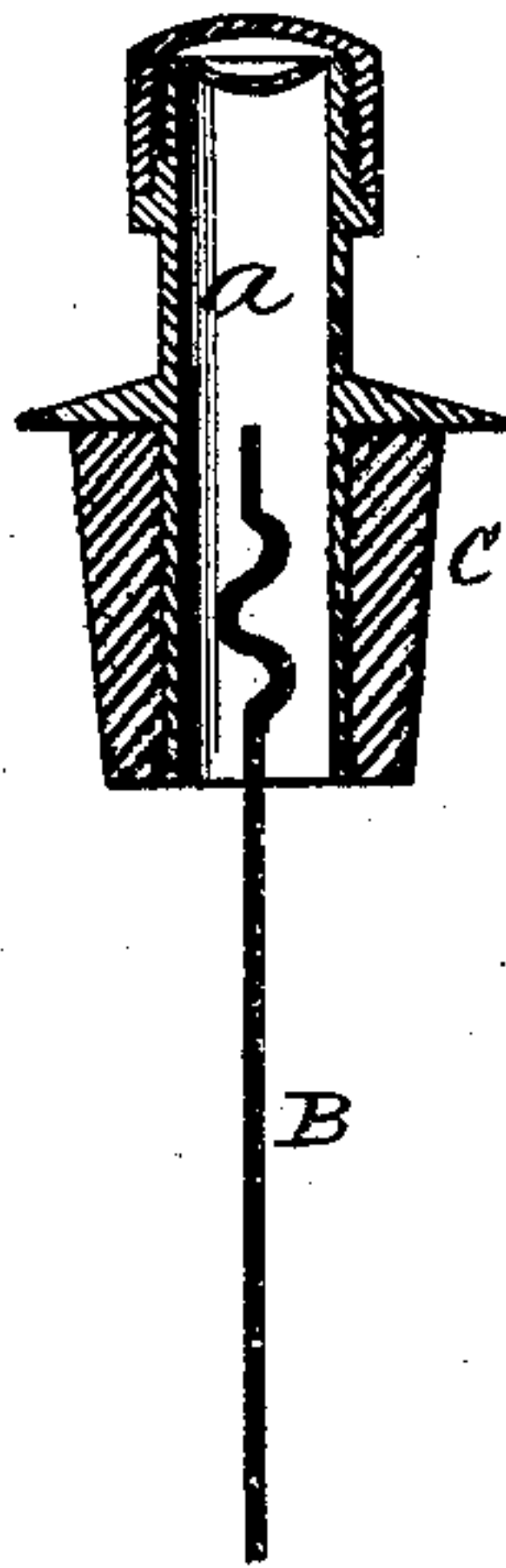
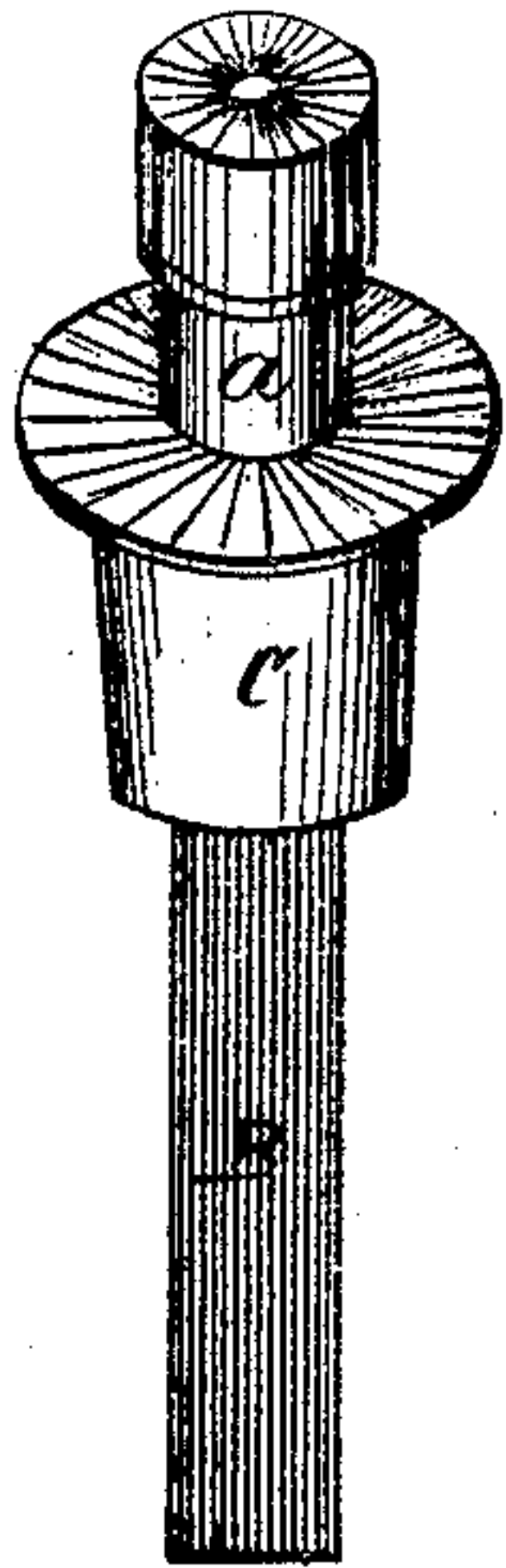


*L. Dovel,*

*Bottle Stopper.*

*No. 113,751.*

*Patented Apr. 18, 1871.*



*Witnesses*

*Oliver Drake*

*Elias Francis*

*Inventor*

*Louis Dovel*

*By Drake & Co. Atty*

# United States Patent Office.

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LOUIS DOVELL, OF NEWARK, NEW JERSEY.

Letters Patent No. 113,751, dated April 18, 1871.

## IMPROVEMENT IN BOTTLE-STOPPERS.

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The Schedule referred to in these Letters Patent and making part of the same.

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I, LOUIS DOVELL, of Newark, New Jersey, have invented certain Improvements in Bottle-Stoppers, of which the following, in connection with the accompanying drawing, is a specification.

The nature of my invention consists in providing a stopper for a bottle so that the ink or other fluid may be poured out without removing the stopper, and, at the same time, to prevent it from bubbling.

The stopper is constructed in the following manner:

Into an ordinary stopper I insert a tube, which is secured at the bottom of the cork by the edge being turned outward, so as to form a flange.

The top of said tube is provided with a screw-cap, which, when it is removed, will enable the fluid to be poured out, and when replaced the bottle becomes sealed.

The cap is supplied on the inside with a piece of leather or other elastic material, which, when the cap

is screwed down, covers the orifice and prevents the fluid from escaping.

To prevent the fluid from bubbling when it is being poured out the tube A is supplied with a corrugated blade, B, of brass or copper, which is inserted from the bottom, the upper end of which is above the fluid and the lower end reaching to or near to the bottom of the bottle. This blade need not be soldered fast, but simply pressed in sufficiently tight to prevent it from dropping out.

I claim—

The tube A, supplied with the corrugated blade B, in combination with the stopper C, when arranged and operating substantially as and for the purposes herein set forth and described.

LOUIS DOVELL.

Witnesses:

OLIVER DRAKE,  
ELIAS FRANCIS.