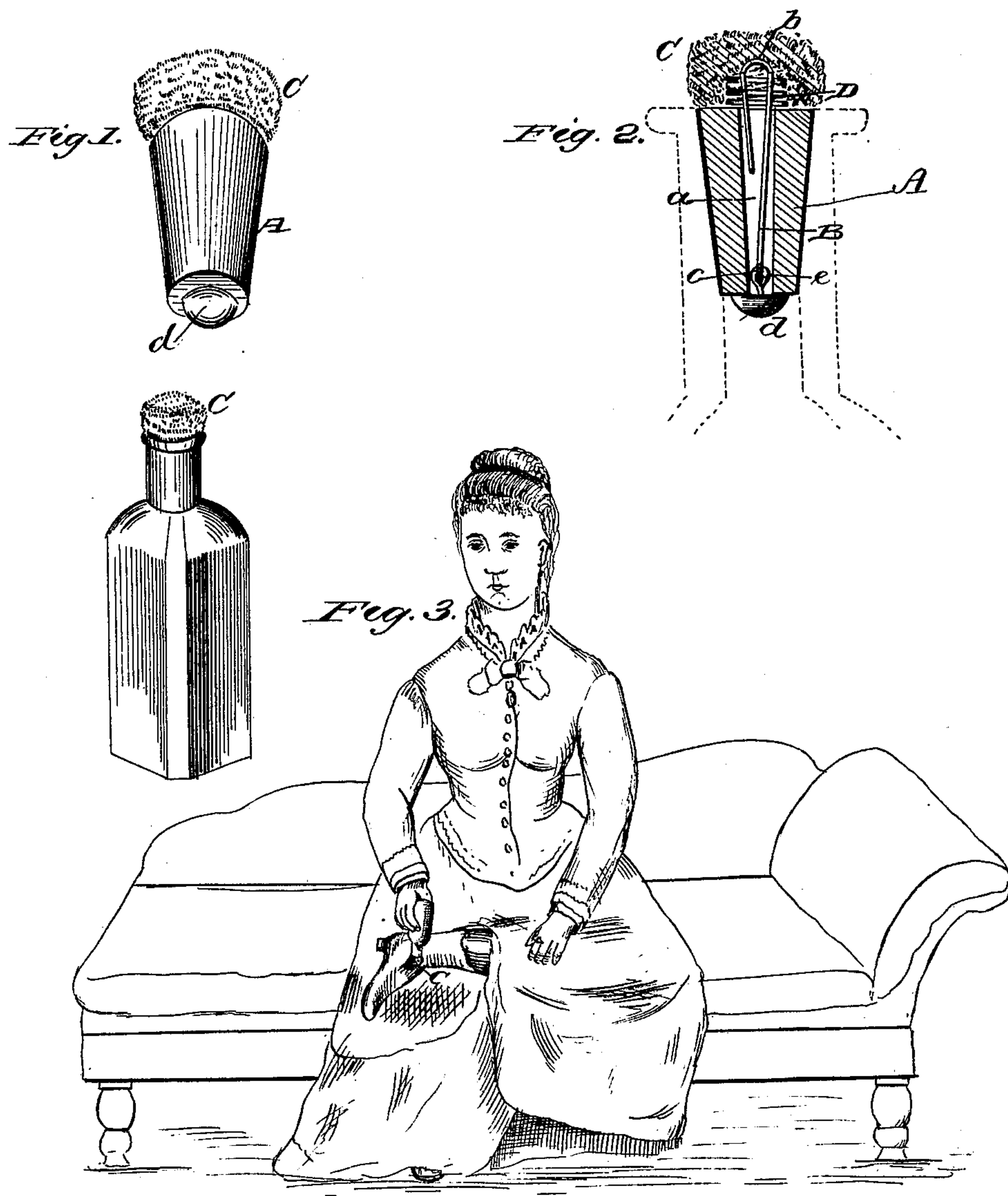


H. S. CARLEY.  
Mucilage Holder and Distributer.

No. 213,385

Patented Mar. 18, 1879.



Witnesses:

George Binkenburg

Red. G. Dietrich

Inventor:

Norace S. Carley.

By C. A. Snow & Co.  
Attys.

# UNITED STATES PATENT OFFICE.

HORACE S. CARLEY, OF CAMBRIDGEPORT, MASSACHUSETTS, ASSIGNOR TO  
GEORGE T. SMITH, OF SAME PLACE.

## IMPROVEMENT IN MUCILAGE HOLDER AND DISTRIBUTER.

Specification forming part of Letters Patent No. **213,385**, dated March 18, 1879; application filed  
January 9, 1879.

*To all whom it may concern:*

Be it known that I, H. S. CARLEY, of Cambridgeport, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Combined Stopper and Distributer for Liquids in Bottles; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view. Fig. 2 is a longitudinal section; and Fig. 3 is a view illustrating the device applied to a bottle, and showing it in operation.

Similar letters of reference indicate corresponding parts in all the figures.

This invention relates to combined bottle-stoppers and liquid-distributers; and it consists in certain improvements in the construction of the same, which will be hereinafter more fully described, and particularly pointed out in the claim.

In the drawings, A represents an ordinary stopper, of cork, rubber, or any other suitable material, having a central longitudinal perforation, *a*. B is a wire rod, upon one end of which is formed a loop, *b*, to retain in position the sponge C, through which the wire B passes. A coiled spring, D, is slipped upon rod B, below sponge C. The rod B is now passed through perforation *a* in stopper A, and a loop, *c*, is formed upon its lower end. A button, *d*, having an eye, *e*, is hung upon this loop, as shown, and said button forms a valve, which closes the lower end of passage *a*.

By reference to the drawings the operation of my invention will be readily understood.

The spring D, working against the upper

end of stopper A, forces the sponge upward, thus closing the valve *d*, and preventing the contents of the bottle from escaping. When it is desired to use the liquid, the bottle is inverted and the sponge pressed against the object which is to receive the liquid. This opens the valve, and permits the liquid to escape until the sponge is saturated. The pressure is then discontinued, and the liquid is distributed by the sponge upon the surface of the article.

This invention is especially applicable to liquid-blackening bottles, and by its use such blackening may be distributed easily and conveniently, and without danger of spilling. It may, however, be applied to bottles containing other liquid without changing the spirit of my invention.

It will be noticed that the coiled spring D, being arranged above the passage *a*, does not interfere with the escape of the liquid; also, that the sponge C is held upon and by the rod B without any additional fastening device.

I am aware of Patent No. 191,751 to J. V. Browne, and disclaim the construction therein shown.

What I claim is—

The combination, with the longitudinally-perforated stopper A, of the rod B, having loops *b* *c*, holding, respectively, a sponge, C, and a button or valve, *d*, and the coiled spring, D, arranged upon rod B, between stopper A and sponge C, substantially in the manner and for the purpose herein set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

HORACE S. CARLEY.

Witnesses:

GEORGE T. SMITH,  
WILLARD HOWLAND.