S. OAKMAN.

Bottle-Stopper.

No. 208,487. Patented Oct. 1, 1878.

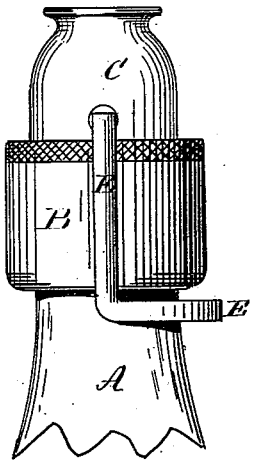

Fig. 1.

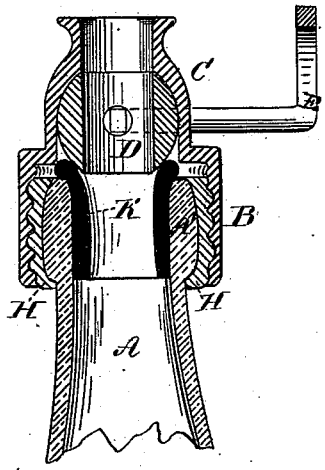

Fig. 2.

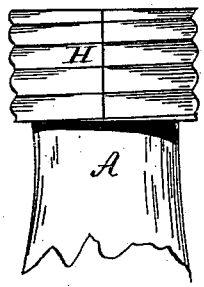

Fig. 3.

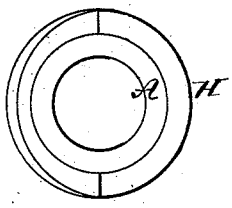

Fig. 4.

WITNESSES

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SAMUEL OAKMAN, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN BOTTLE-STOPPERS.

Specification forming part of Letters Patent No. **208,487**, dated October 1, 1878; application filed January 15, 1878.

To all whom it may concern:

Be it known that I, SAMUEL OAKMAN, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Bottle-Stoppers, of which the following is a specification:

My invention relates to that class of bottle-stoppers which have, in combination with the neck of the bottle, a globular hollow valve operating in a spherical chamber within a mouth-piece, which is connected with the top of the bottle.

The exact nature of my invention may be best understood by reference to the accompanying drawings and to the description and claim of this specification.

Referring to the drawings, Figure 1 is an elevation of my invention. Fig. 2 is a vertical section of the same. Fig. 3 is an elevation showing the neck of a bottle having a screw-bushing attached. Fig. 4 is a plan of the mouth of the bottle and the screw-bushing.

In the drawing, A represents a bottle, having the usual enlargement A′ at the termination of the neck. This enlargement is embraced by the bushing H, which is made in two pieces, as shown in Figs. 3 and 4, and provided with a screw-thread. The parts forming the bushing H are held together by the lower end, B, of the mouth-piece B C, which has a screw on its interior, as shown in Fig. 2.

D, Fig. 2, is a globular valve, having a round hole through its center, and it rests on an elastic seat or thimble-piece, K, when the globe D is turned, so that the hole through its center is crosswise of the mouth of the bottle. Then the opening in the valve-seat K is completely closed, and no liquid or gas can escape from the bottle.

E E is a bent lever, the ends of which pass through the sides of the mouth-piece B C and enter the recesses in the globe D, so that when the lever is turned it will cause a corresponding movement of the globe, thus closing or opening the mouth of the bottle.

Instead of the screw-bushing H, I can have the screw made directly on the enlargement H of the neck of the bottle, the screw being molded in the glass.

The mouth-piece C is made with a cylindro-spherical chamber, so as to fit accurately the superior part of the valve D, and to admit of putting said valve in place.

I apply my invention to metallic as well as glass vessels.

Having now described the construction and operation of my invention, what I claim, and desire to secure by Letters Patent, is as follows:

In a bottle-stopper, the combination of the mouth-piece B C and the perforated revolving globular valve D, provided with a handle for operating the same, with the elastic seat K and the screw-neck H, whereby the valve D may be brought to any desired degree of pressure upon the elastic seat K, all substantially as and for the purpose set forth.

SAML. OAKMAN.

Witnesses:
WILLIAM EDSON,
NATL. EVANS.