

GARRETT C. LOWE

Improvement in Bottle Stoppers.

No. 120,821.

Patented Nov. 14, 1871.

Fig. 1.

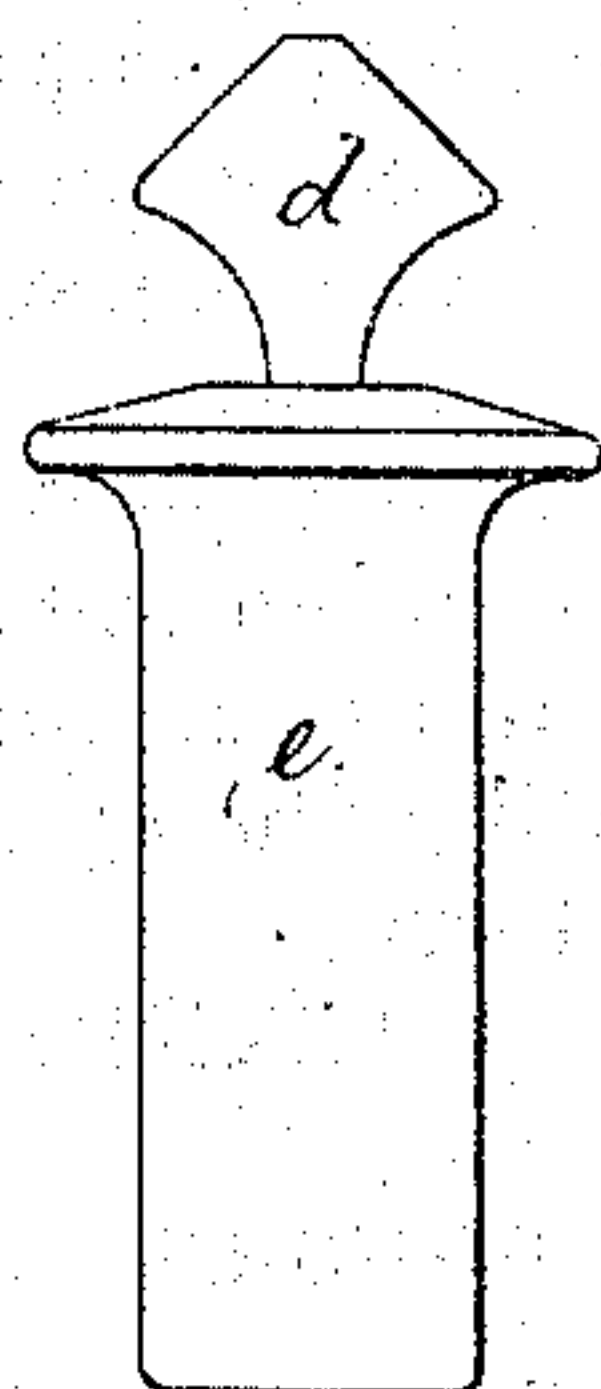


Fig. 2.

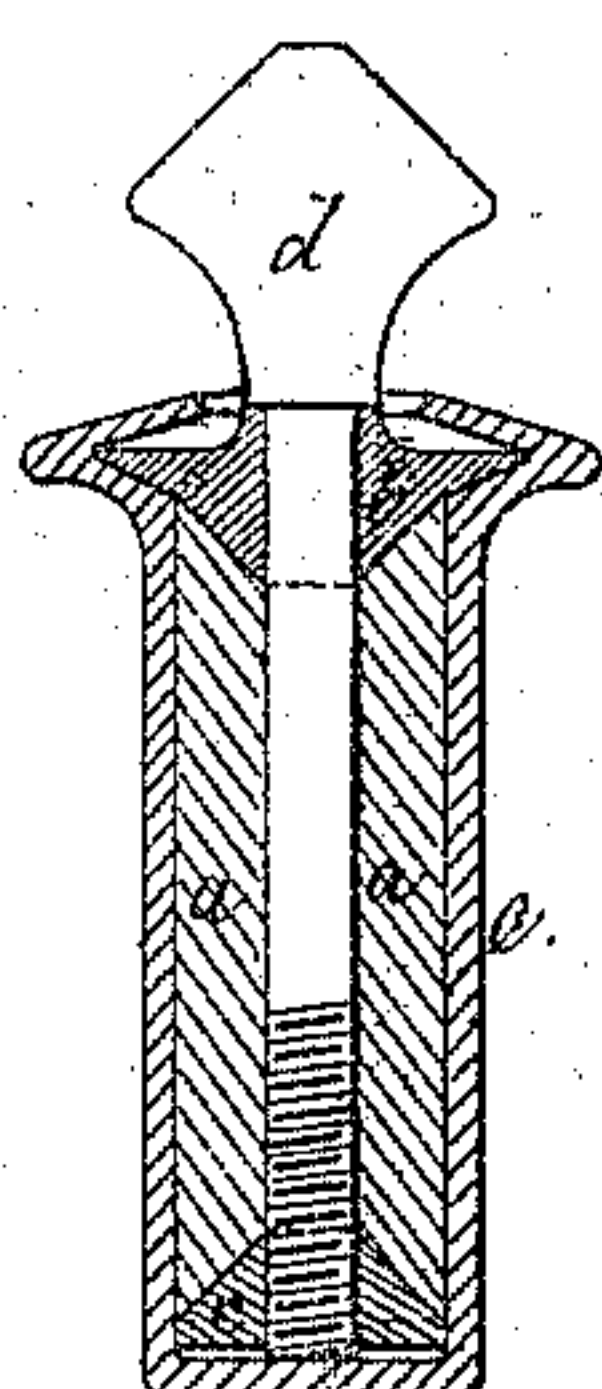


Fig. 3.

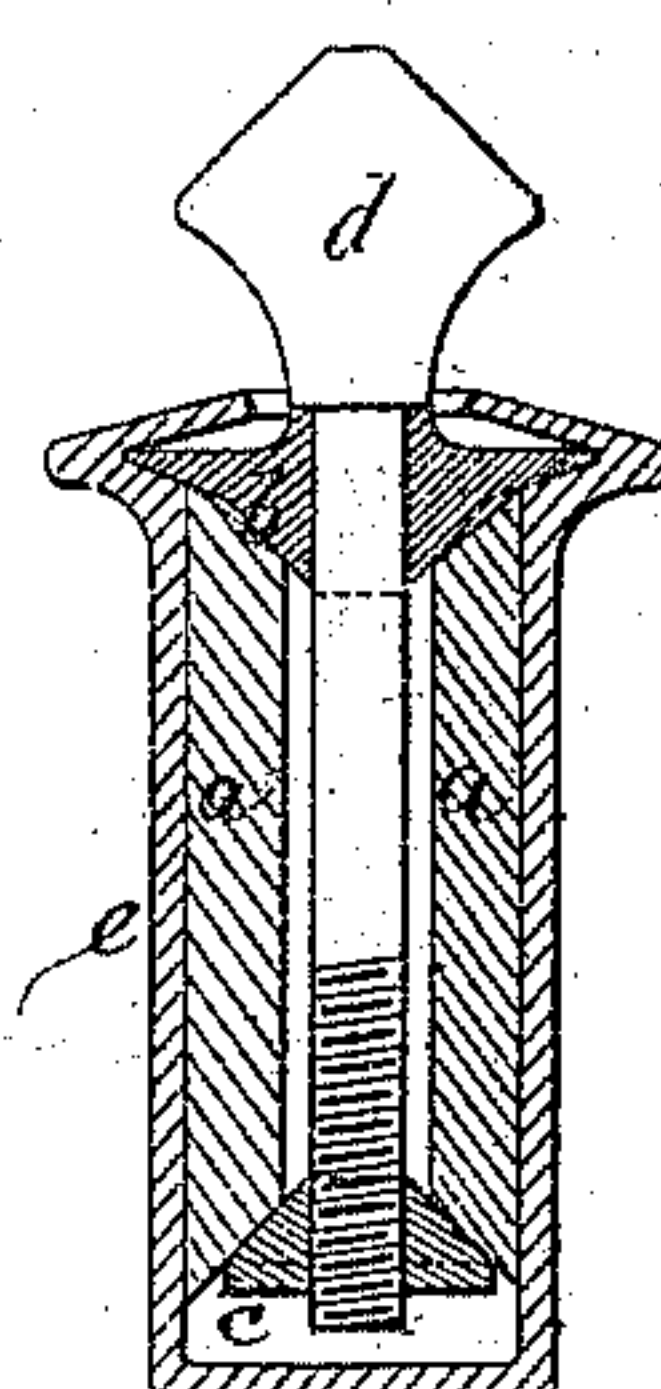


Fig. 4.

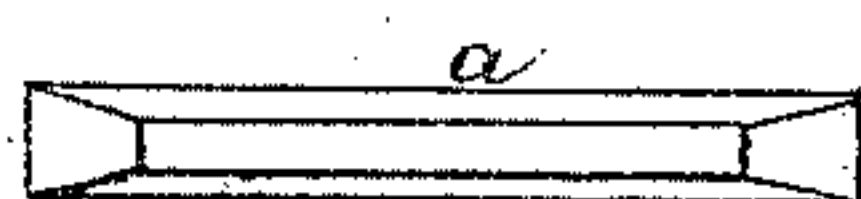


Fig. 5.

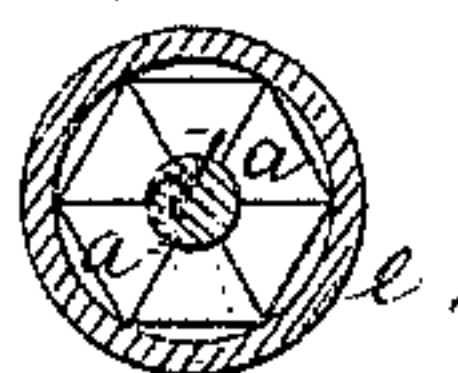
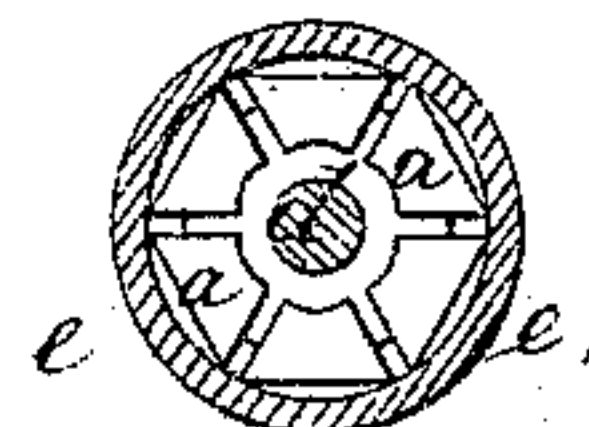


Fig. 6.



Witnesses.

F. C. Langhorne.
A. B. Hazard.

Inventor.

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UNITED STATES PATENT OFFICE.

GARRETT C. LOWE, OF NEW YORK, N. Y.

IMPROVEMENT IN BOTTLE-STOPPERS.

Specification forming part of Letters Patent No. 120,821, dated November 14, 1871.

To all whom it may concern:

Be it known that I, GARRETT C. LOWE, of the city and State of New York, have invented a new and Improved Bottle-Stopper; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing and to the figures of reference marked thereon.

Figure 1 is a full view of stopper. Figs. 2 and 3 are longitudinal sections. Fig. 4 is a view of one of the staves. Figs. 5 and 6 are cross-sections.

My expansible stopper is made of three or more staves within an India-rubber cylinder, that is closed at one end and at the other end surrounds a conical washer, through which a screw passes and acts upon a second conical washer at the other end of the staves. By this construction the staves can be spread to enlarge the stopper or the reverse.

The staves *a a* are made as segments of a cyl-

inder divided longitudinally, and with inclined ends to fit the conical washers *b* and *c*. I have shown six of these staves, but they may be more or less numerous. The screw *d* passes through the cone *b* and screws into the cone *c*, and the head projects above the cone *b*. The cylinder of rubber *e* surrounds these parts, as represented, and forms the bottle-stopper, and this elastic cylinder can be distended to suit the size of the bottle neck by drawing the cone *c* toward the cone *b* by the screw *d*, or the reverse movement allows the cylinder *e* to contract.

I claim as my invention—

The staves *a a* between the cones *b c* and within the rubber cylinder *e*, in combination with the screw *d* for distending the cylinder *e* of the bottle-stopper, as set forth.

GARRETT C. LOWE.

Witnesses:

FRANCIS LANGHORN,
R. B. HAZARD.

(1)