

GARRETT C. LOWE

Improvement in Bottle Stoppers.

No. 120,821.

Patented Nov. 14, 1871.

Fig. 1.

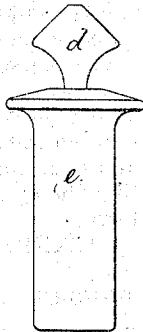


Fig. 2.

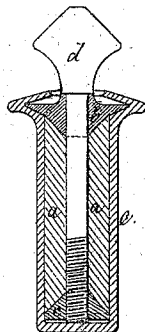


Fig. 3.

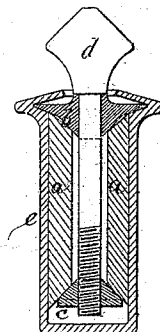


Fig. 4.

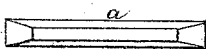
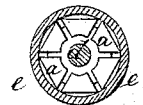


Fig. 5.



Fig. 6.



Witnesses.

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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:

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