

C. L. DARBY.

SEALING DEVICE FOR BOTTLES, JARS, &c.

No. 191,519.

Patented June 5, 1877.

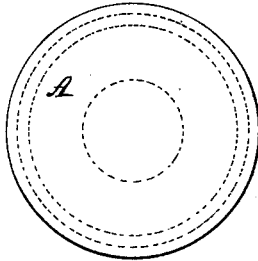
Fig. 1.



Fig. 2.



Fig. 3.



Witnesses.
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UNITED STATES PATENT OFFICE

CATHARINE L. DARBY, OF FORT MOTTE, SOUTH CAROLINA.

IMPROVEMENT IN SEALING DEVICES FOR BOTTLES, JARS, &c.

Specification forming part of Letters Patent No. **191,519**, dated June 5, 1877; application filed March 15, 1877.

To all whom it may concern :

Be it known that I, Mrs. CATHARINE L. DARBY, of Fort Motte, in the county of Orangeburg and State of South Carolina, have invented certain Improvements in Corking and Sealing Devices for Bottles, Jars, &c., of which the following is a specification; and I do hereby declare that in the same is contained a full, clear, and exact description of my said invention, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

This invention relates to a combined elastic cap and stopper for sealing bottles, jars, &c., and has for its object the hermetic sealing of the vessel, as hereinafter specified.

In the annexed drawing, Figure 1 is an exterior, Fig. 2 a sectional, and Fig. 3 a plan, view of the invention.

The elastic cap is formed of india-rubber, molded to the desired shape. The lower edge *a* of the cap is corded to increase its tendency to resist distension, and to induce it to close firmly around the neck of the vessel, and thus effect the desired hermetic sealing. The cap conforms somewhat to the shape of the neck of the bottle, jar, &c., the lower or open end being smaller in diameter than the neck of the vessel to which it is to be applied. The corded edge is thus caused, when the cap is adjusted, to draw tightly around the bottle-neck.

The central under part of the cap consists

of a stopper, *b*, molded therewith, which fits tightly upon the neck of the bottle, &c., pressing slightly within the same, and serves as an elastic stopper; and further acts to prevent the introversion of the cap by exterior pressure, should any be exerted.

The stopper *b* is not intended to fit closely within the neck of the bottle, &c., as a cork, but rather to press upon and seat slightly within the same, the yielding nature of the material allowing the stopper to fit around and over any irregularity on the rim of the neck, and close it effectually when the cap is drawn down by its inherent elasticity.

Having described my invention, I claim as new and wish to secure by Letters Patent—

As a new article of manufacture, a sealing device for bottles, jars, &c., consisting of a rubber or elastic cap conforming somewhat to the shape of the bottle-neck, and having a contracted and corded lower edge, and a practically spherical central inner projection, adapted to touch only the inner edge or angle of the bottle-neck, substantially as herein specified.

In testimony whereof I have hereunto subscribed my name this 7th day of February, A. D. 1877.

CATHARINE L. DARBY.

Witnesses:

J. C. LEGRAND COLE,
ABBOTT RIETT.