# J. Dunton

## Bottle Stopper.

No. 37,221. Patented Dec. 23, 1862.

Fig. 1.

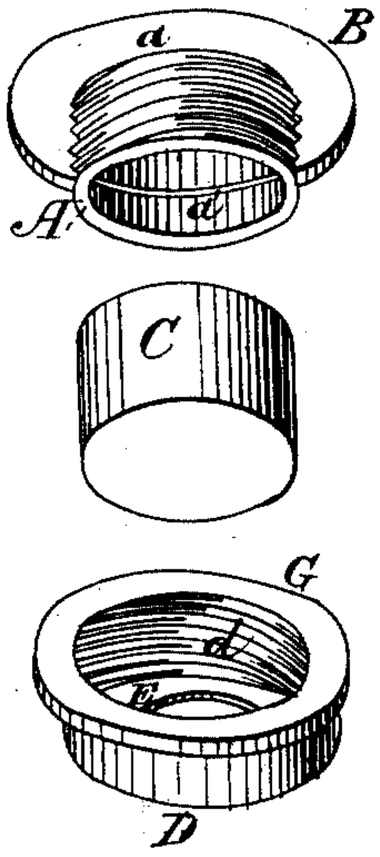



Fig. 2.

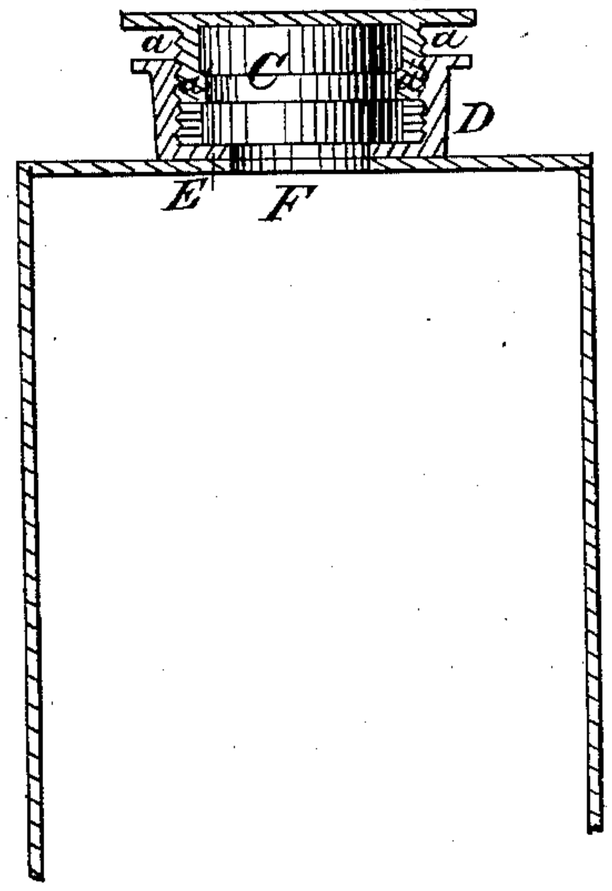
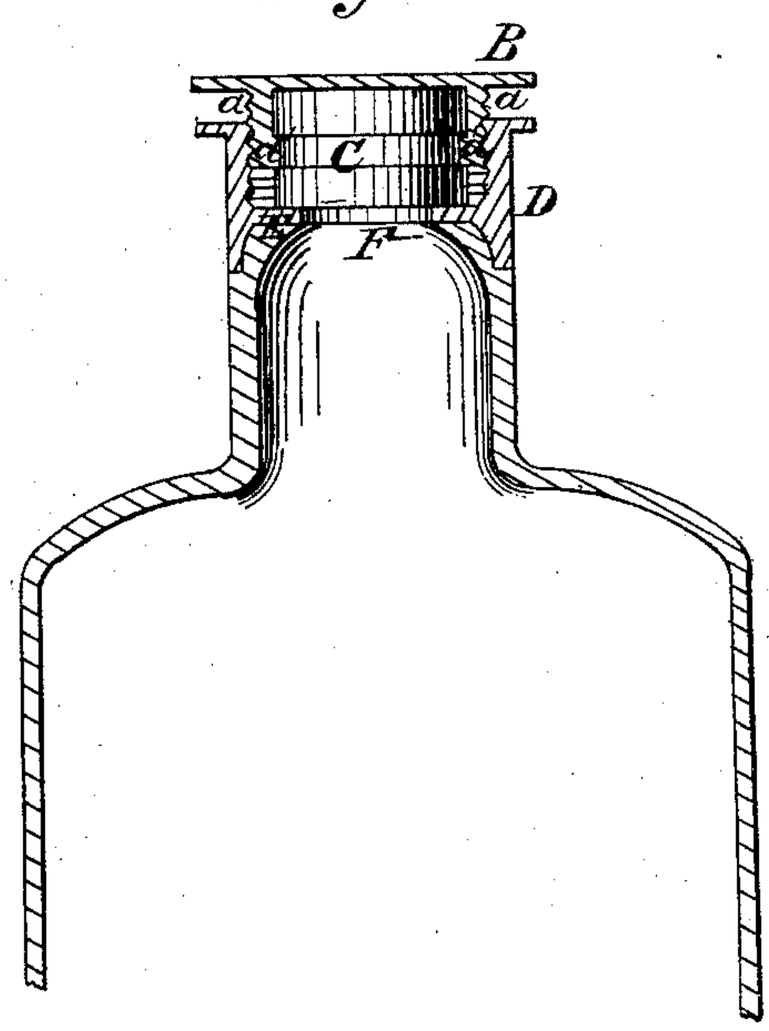



Fig. 3.




Attest:
John A. Gaubersehmidt
Charles Smith

Inventor:
Jacob Dunton

# UNITED STATES PATENT OFFICE.

JACOB DUNTON, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVED CAN OR BOTTLE STOPPER.

Specification forming part of Letters Patent No. **37,221,** dated December 23, 1862.

*To all whom it may concern:*

Be it known that I, JACOB DUNTON, of the city and county of Philadelphia, in the State of Pennsylvania, have invented a new and Improved Bottle or Can Stopper; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 represents in perspective the various parts of the said stopper detached from one another. Figs. 2 and 3 are detail sections of the stopper complete under two modifications.

Similar letters of reference indicate corresponding parts in both views.

The subject of my invention is a stopper especially intended for medicine bottles and jars, and consisting of a plain cylindrical piece of cork fitting within a metal socket, which is formed with a milled head and an external thread to adapt it to be screwed into a metal neck, which latter is formed with an internal flange affording an extended bearing for the cork, as will be hereinafter more fully explained.

To enable others skilled in the art to which my invention appertains to fully understand and use the same, I will proceed to describe its construction and operation.

A represents a metal socket, the interior of which may be cylindrical or tapered slightly downward and formed with a slight shoulder, *a'*. A screw-thread is formed upon the exterior of the socket A at *a*.

B is a milled head attached to and covering the socket, and extending a sufficient distance beyond it for convenience in screwing and unscrewing the stopper.

C represents a cylindrical plug of cork or other elastic material, which, when suitably compressed, is forced into the socket A, where it is firmly held by the form of the socket and the shoulder *a'*.

D represents a metal neck, which may be attached to or form part of a bottle or jar of any suitable construction. The said neck is formed with an internal screw-thread at *d*, to receive the thread *a* upon the exterior of the socket A, and with an inwardly-projecting annular flange, E, which constitutes a seat or bearing for the cork C.

In the center of the annular flange E is the aperture F, through which the bottle is filled or emptied.

G represents a lip or flange projecting outward from the margin of the neck D, in order to enable the dropping or pouring of liquids accurately in any quantities desired.

The metal socket and neck may be made of any suitable alloy which may be best adapted to resist the action of acids and other substances which the bottles are required to contain.

Among the advantages of the invention may be mentioned its simplicity, cheapness, efficiency, and durability. It is superior to some analogous devices in admitting of the use of a plain cylindrical piece of cork of common form, instead of requiring it to be of special or peculiar construction, and when screwed down the cork has a large and even bearing, affording complete security without abrasion or distortion.

For closing bottles, as illustrated in Fig. 3, the neck D may, if preferred, be made of glass in one piece with the bottle.

I do not desire to restrict myself to any particular material in the manufacture of the stopper. It may be made of metal, hard rubber, or any suitable substance or compound.

Having thus described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

A bottle or can stopper consisting of the socket A, formed with a milled head, B, external screw-thread, *a*, and internal shoulder, *a'*, the neck D, formed with an external lip, G, internal screw-thread, *d*, and annular flange E, and the imperforate cylindrical cork or plug C, all constructed, combined, and arranged in the manner and for the purposes shown and described.

JACOB DUNTON.

Witnesses:
JOHN THOMPSON,
ISAAC DUNTON.