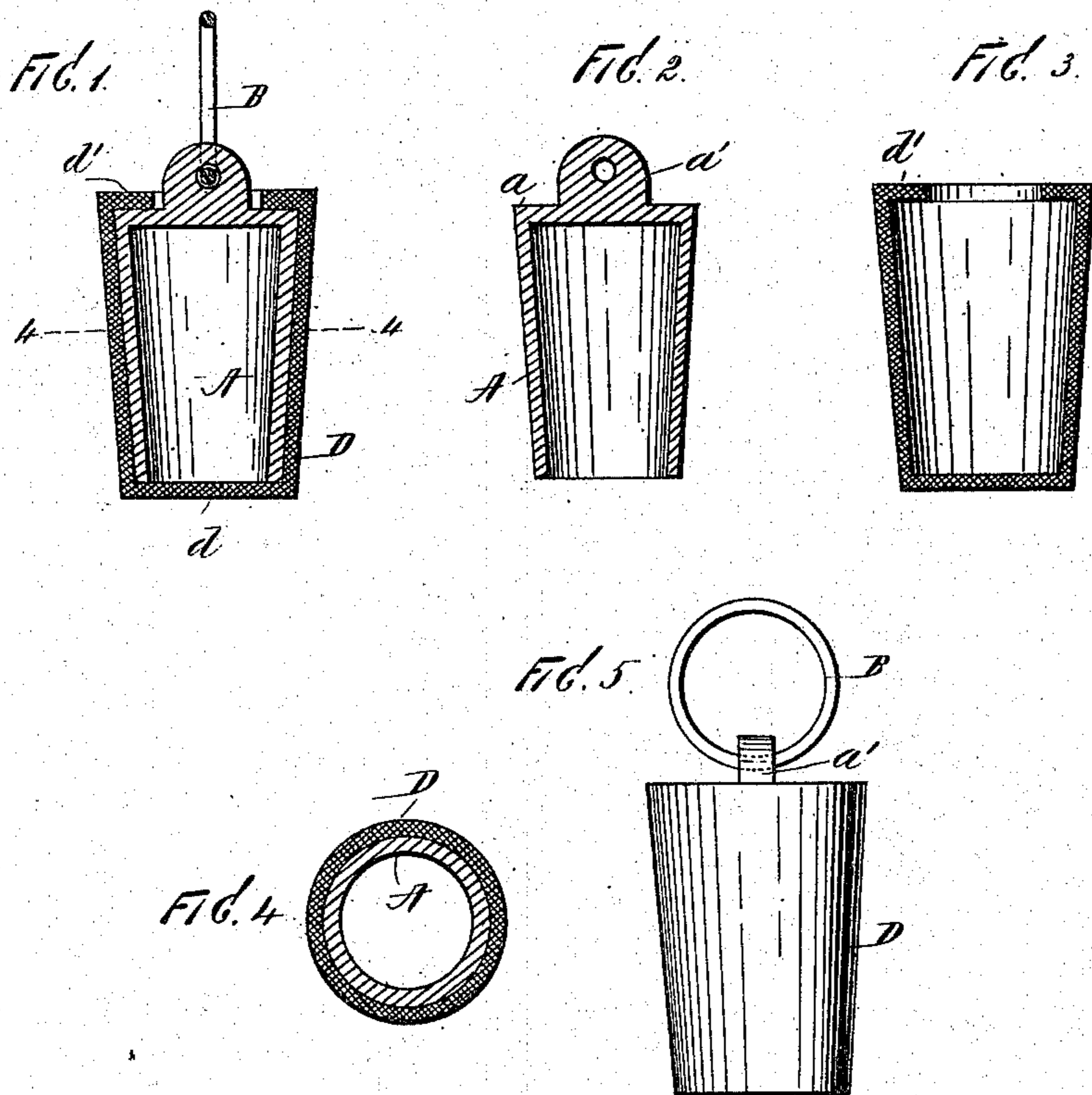


(No Model.)

T. W. HOWSON.
BOTTLE STOPPER.

No. 559,079.

Patented Apr. 28, 1896.



WITNESSES:

John Buckler,
C. G. Gresham

INVENTOR

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UNITED STATES PATENT OFFICE.

THOMAS W. HOWSON, OF ELIZABETH, NEW JERSEY.

BOTTLE-STOPPER.

SPECIFICATION forming part of Letters Patent No. 559,079, dated April 28, 1896.

Application filed November 7, 1895. Serial No. 568,200. (No model.)

To all whom it may concern:

Be it known that I, THOMAS W. HOWSON, a citizen of the United States, and a resident of Elizabeth, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Bottle-Stoppers, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which
10 similar letters of reference indicate corresponding parts.

This invention relates to stoppers for bottles, jugs, jars, and similar vessels; and the object of the invention is to provide an effective device of this class which is simple in construction and operation and which may be used in connection with vessels of different sizes and retained and used as long as the stopper lasts.

20 The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a central vertical section of my improved stopper, showing the core or body portion of the stopper which I employ and also a covering therefor; Fig. 2, a similar view of the core or body of the stopper; Fig. 3, a similar view of the covering or casing removed; Fig. 4, a transverse section on the line 4 4 of Fig. 1, and Fig. 5 a side elevation thereof.

In the practice of my invention I provide a stopper composed of two parts, the first part comprising a central core or body portion A, which may be composed of any preferred metal or other material, and this core or body portion is cylindrical in cross-section and also preferably hollow, the lower end thereof being opened, and said core or body portion is also preferably inclined from the upper to the lower end thereof, the lower diameter being preferably less than the upper diameter.

45 The upper end of the core or body of the stopper is closed, as shown at *a*, and provided with a shoulder or projection *a'*, through which is passed a ring or handle B, and I also provide a covering or casing D, which is composed of rubber, cork, or any preferred material. The covering or casing D is hollow

and of the same general form as the core or body portion of the stopper, and the lower end thereof is closed, as shown at *d*, and the upper end thereof is provided with an annular inwardly-directed flange or rim *d'*, which is adapted to fit over the upper end of the core or body portion, so as to securely hold the cover or casing in place.

The operation will be readily understood from the foregoing description when taken in connection with the accompanying drawings.

My improved stopper is adapted to be used in connection with bottles of any form or construction, and also in connection with jugs, jars, and similar vessels, and, as will be understood, it forms a safe and secure device for closing such vessels and may be retained as long as desired.

My invention is not limited to the exact form, construction, and arrangement of the parts of my improved stopper as herein shown and described, and I therefore reserve the right to make all such alterations therein and modifications thereof as fairly come within the scope of the invention.

Having fully described my invention, I claim and desire to secure by Letters Patent—

As an improved article of manufacture, a bottle-stopper composed of a tapering and cylindrical bottom, core or body open at the lower end and closed at the top end which is provided with a shoulder or projection, a ring or handle engaged in said projection and a covering or casing or rubber cover or other suitable elastic substance, fitted over said core or body, so as to cover the bottom and circumference thereof and the margin of its top, all constructed, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 6th day of November, 1895.

THOMAS W. HOWSON.

Witnesses:

C. GERST,

M. A. KNOWLES.