(No Model.) 2 Sheets—Sheet 1.

C. B. VAN SYCKEL.

Bottle and other Hollow Glassware.

No. 238,995. **Patented March 15, 1881.**

Fig. 2.

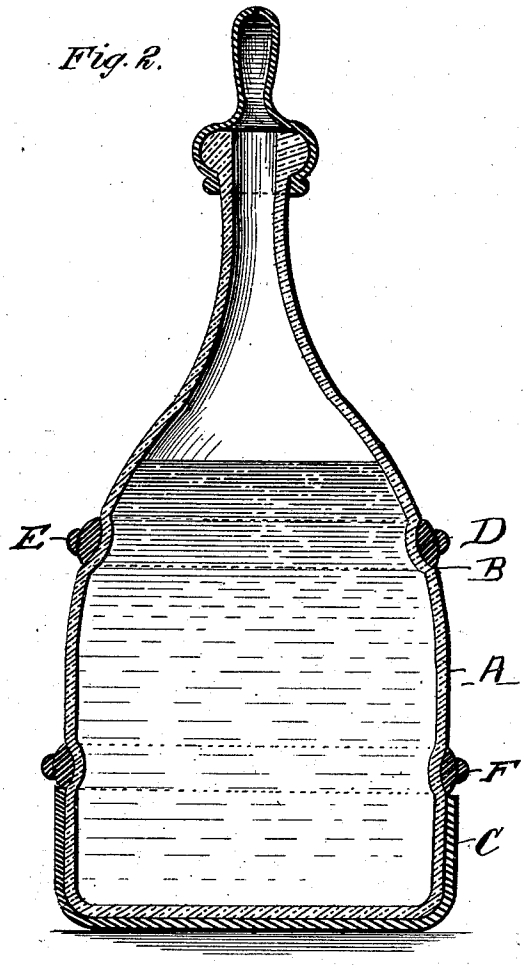


Fig. 1.

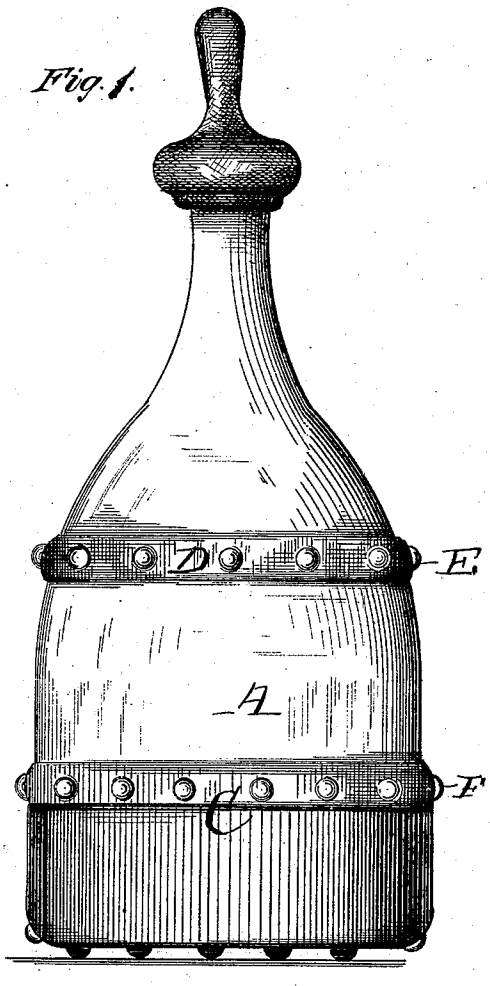


Fig. 6.

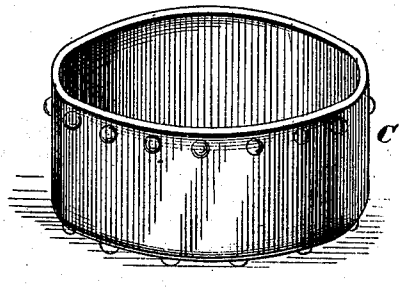
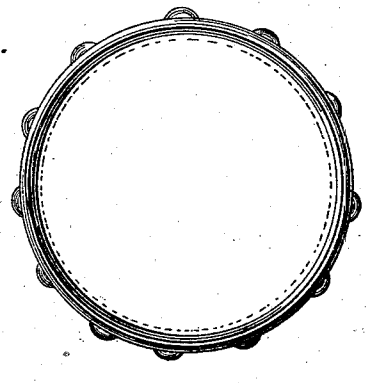


Fig. 3.



Witnesses
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Robt. L. Manning

Inventor
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Fig. 4.

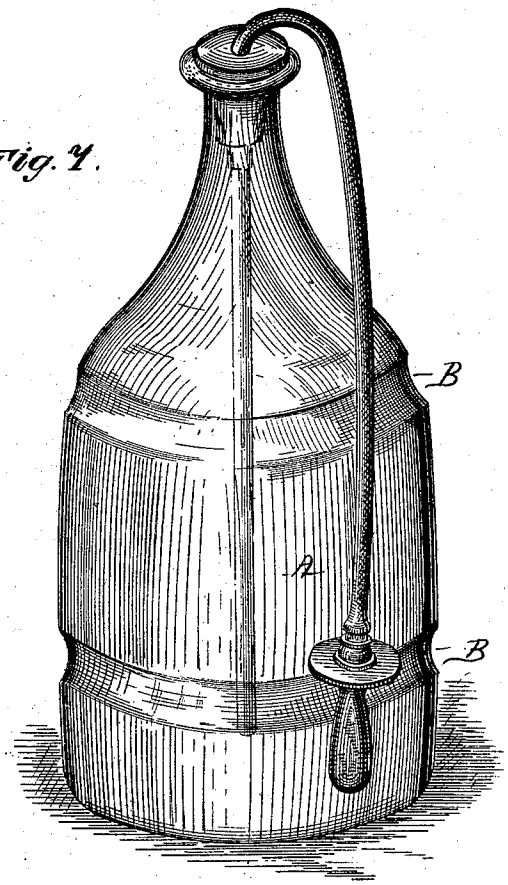


Fig. 5



Fig. 4



Witnesses
Fred G. Dieterich
Robt. S. Manning

Inventor:
Charles B. Vansyckel

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UNITED STATES PATENT OFFICE.

CHARLES B. VAN SYCKEL, OF WASHINGTON, D. C., ASSIGNOR TO HANNAH S. VAN SYCEL AND ROBERT S. MANNING, OF SAME PLACE.

BOTTLE AND OTHER HOLLOW GLASSWARE.

SPECIFICATION forming part of Letters Patent No. 238,995, dated March 15, 1881.

Application filed November 19, 1880. (No model.)

To all whom it may concern:

Be it known that I, CHARLES B. VAN SYCKEL, of Washington, in the county of Washington and District of Columbia, have invented a new and useful Improvement in Bottles and other Hollow Glassware, which is especially adapted for nursing-bottles; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying two sheets of drawings, which form a part of this specification, and in which—

Figure 1 represents a side view of one of my improved nursing-bottles. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a top view of one of the protecting rings or bands detached from the bottle. Fig. 4 is a side view of the bottom cap. Fig. 5 is a similar view of one of the protecting-rings detached from the bottle. Fig. 6 is a perspective view of the bottom cap detached, and Fig. 7 is a perspective view of the bottle without the protecting-ring and cap.

Similar letters of reference indicate corresponding parts in all the figures.

The object of my invention is to protect bottles, and especially nursing-bottles, against breakage; and to this end it consists in the application to the bottle of a bottom cap and ring or band, made of rubber or other elastic material, which said band and cap are provided with knobs or projections of the same material, substantially as hereinafter more fully set forth.

In the annexed drawings, the letter A represents a nursing-bottle made of white or colored glass. This bottle is made with two or more circumferential grooves or indentations, B, as shown in Fig. 7.

D is a ring or band, made of rubber or other suitable elastic material, which is provided with a row or series of knobs or studs, E; and C is the cap or protector for the bottom, which has a circumferential row of knobs or studs, F, along its upper or lower edge, or both. The band D and cap C are held in place upon the bottle by their own tension, operating in conjunction with the circumferential grooves B, which prevent them from slipping off or becoming accidentally displaced.

If the bottle is dropped on the floor, the studded bottom cap, C, and band D will take up the shock and effectually prevent breakage the studs or knobs E and F rebounding and preventing injury to the glass vessel.

It is obvious that one or more rings or bands D may be used, and also that the bottom cap, C, may be of greater or lesser width, according to the style of bottle.

It may also be found advantageous to provide cap C with studs or knobs on the bottom, as shown in Fig. 1, to still further increase its efficiency as a protector.

It is also obvious that my improvement is not limited to any particular style of bottle, or any particular shape, and that, if desired, the rings or bands D may be dispensed with and the bottle used with a bottom cap only.

Having thus described my improvement, I claim and desire to secure by Letters Patent of the United States—

1. A nursing-bottle having annular indentations or channels B, and provided with one or more studded elastic bands, D, and a studded bottom cap, C, as set forth.

2. The protecting elastic ring or band D, for bottles or hollow glassware, provided with the studs or projections E, as set forth.

3. The protecting elastic bottom cap, C, for bottles or hollow glassware, provided with one or more rows of studs or projections, F, as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

CHARLES B. VAN SYCKEL.

Witnesses:

ROBT. S. MANNING,

CHARLES O. BROWN.