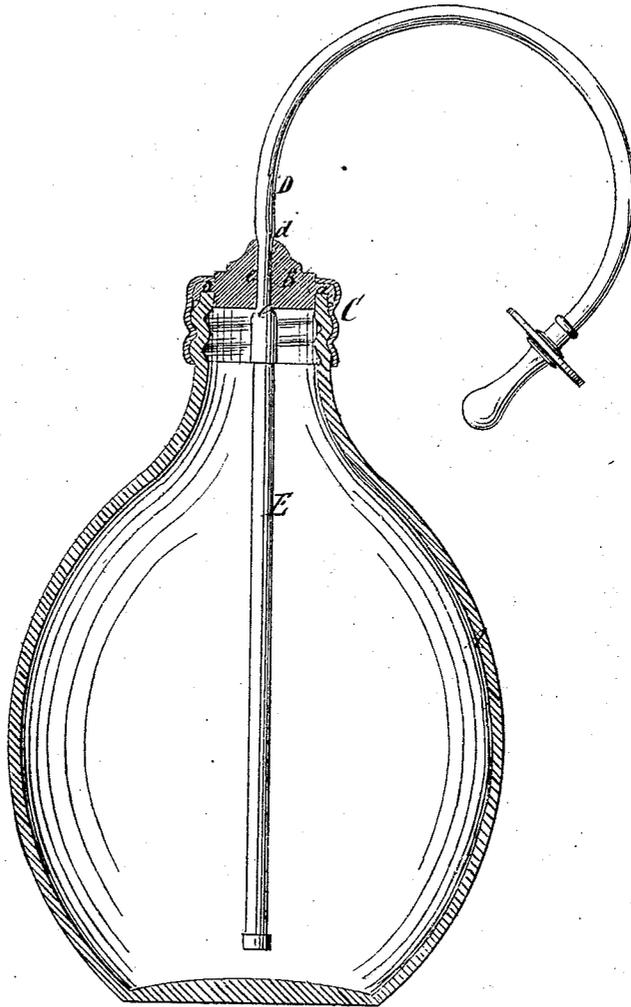


J. L. MASON.  
Nursing-Bottle.

No. 159,197.

Patented Jan. 26, 1875.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

JOHN L. MASON, OF NEW BRUNSWICK, NEW JERSEY.

## IMPROVEMENT IN NURSING-BOTTLES.

Specification forming part of Letters Patent No. **159,197**, dated January 26, 1875; application filed May 1, 1872.

*To all whom it may concern:*

Be it known that I, JOHN L. MASON, of New Brunswick, in the county of Middlesex and State of New Jersey, have invented a new and useful Improvement in Nursing-Bottles; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, which drawing represents a vertical central section of this invention.

This invention consists in the arrangement of a cover made of glass or other vitreous material, and held down upon the mouth of the bottle by an open screw-cap, said cover being provided with a hole of less diameter than the flexible suction-pipe, in combination with said suction-pipe, and with a glass tube inserted in the inner end of the suction-pipe, in such a manner that when the suction-pipe is adjusted in the cover it is held firmly in position between shoulders formed on the outside of the cover by the inherent elasticity of the pipe itself, and on the outside by such inherent elasticity assisted by the expansion of the pipe produced by inserting the glass tube; and if the cover is secured on the mouth of the bottle all leakage at the edge or through the center hole of said cover is prevented, and the contents of the bottle are prevented from coming in contact with any metal, whereby the milk is not in contact with the metal, and the souring thereof is prevented, the otherwise ill effects of which being well known, and should be avoided.

In the drawing, the letter A designates a nursing-bottle, which is provided with a stopper or cover, B, made of glass or other vitreous material, and provided with a groove, *a*, to admit the edge of the bottle, as shown in the drawing, said stopper closing the neck of the bottle. On the outer surface of the neck of the bottle is formed a screw-thread, to receive a sheet-metal screw cap or ring, C, with an inwardly-projecting flange to bear down upon the cover B and retain the same in position, so as to close the mouth of the bottle. A gasket or packing of any suitable nature may be placed into the groove *a*, to produce a tight joint. The cover B is provided with a hole, *c*,

to receive the suction-pipe D, the bore of said hole being somewhat smaller than the diameter of the suction-pipe, which is made of india-rubber or other flexible and elastic material. If the suction-pipe is passed through the hole in the cover, therefore, that portion of said pipe which is contained in the hole becomes necessarily compressed, while the pipe on the inside and outside of the cover reassumes its original diameter, thereby forming shoulders *d e*, whereby the suction-pipe is held in position. The position of said suction-pipe is still further secured by inserting in its inner end a glass tube, E, which extends nearly down to the bottom of the bottle. By this glass tube the inner end of the suction-pipe is expanded and the inner shoulder, *e*, is enlarged, so that the same offers a good resistance, and that the suction-pipe is effectually prevented from slipping back through the hole *c* in the cover. At the same time the suction-pipe, being compressed in the hole *c*, forms a tight joint therein; and, furthermore, by the expansion of the inner end of said pipe, produced by the glass tube, and by pulling the pipe out as far as it will go, the shoulder *e* is firmly pressed up against the inner surface of the cover, and all leakage of the contents of the bottle through the hole *c* is prevented.

By these means a simple and effective connection between the suction-pipe and the cover of a nursing-bottle is produced, and at the same time the contents of the bottle are prevented from coming in contact with any metal.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the nursery-bottle A, of the stopper B, constructed of glass, substantially as and for the purpose set forth.
2. The combination, with a threaded-neck nursery-bottle, A, and metal screw-cap C, of the stopper B, constructed of glass, and having an opening, *c*, for the pipe D, and a flange overlapping the top of the bottle, substantially as and for the purpose set forth.

This specification signed by me this 23d day of April, 1872.

JOHN L. MASON.

Witnesses:

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