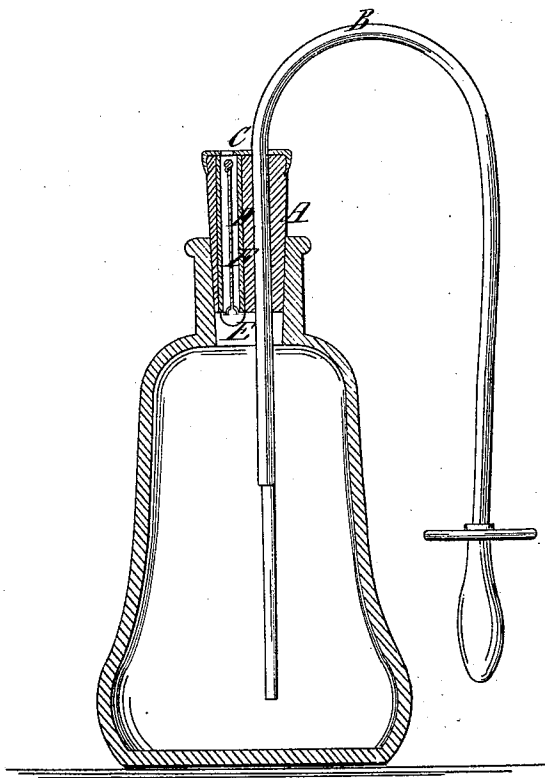


E. J. Mallet, Jr. & W. S. Ward.

Nursing Bottles.

No 102,289.

Patented Apr. 26, 1870.



Witnesses

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EDWARD JONES MALLETT, JR., AND WILLIAM S. WARD, OF NEW YORK, N. Y.

Letters Patent No. 102,289, dated April 26, 1870.

IMPROVEMENT IN NURSING-BOTTLES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, EDWARD JONES MALLETT, Jr., and WILLIAM S. WARD, of the city, county, and State of New York, have invented a new and useful Improvement in Nursing-Bottles; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to improvements in nursing-bottles; and

It consists in a novel arrangement of automatic vent, in connection with the bungs or plugs, by suspending the valve by a spring secured in the vent passage or at the top of the plug, and extending through to the bottom, and holding the valve up against a flexible seat of India rubber or other like substance, all as hereinafter more fully specified.

The drawing represents a sectional elevation of a nursing-bottle, provided with our improved automatic vent-valve.

A is the cork or plug, provided with the ordinary suction-tube B.

C is an air-vent passage, which, in this instance, we have bushed with a section of India rubber, D; the lower end of which forms a yielding and packing-seat for the valve E, which we suspend by a flexible cord or other spring, F, attached either in the passage or rising up through and connecting at the top of the plug, and adjusted so that it draws the valve up

against its seat with sufficient force to prevent the escape of the liquid in the bottle, but so as to yield to the pressure of the atmosphere when a vacuum is created within by the withdrawal of the contents or any part thereof.

We propose to use any kind of plugs, springs, valve, and valve-seats, and either to bush the vent-holes with India rubber, or to provide only the flexible seats at the bottom, or the valves may be of flexible substances.

It will be seen that, while this improved vent apparatus is more especially adapted for use with nursing-bottles, it is also suitable for many other vessels, and we propose to use it in all cases where it is applicable.

Having thus described our invention,

We claim as new and desire to secure by Letters Patent—

A nursing-bottle having a plug, A, provided with an automatic vent-valve, constructed and arranged substantially as herein specified.

The above specification of our invention signed by us this 5th day of February, 1870.

EDWARD JONES MALLETT, JR.
WILLIAM S. WARD.

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