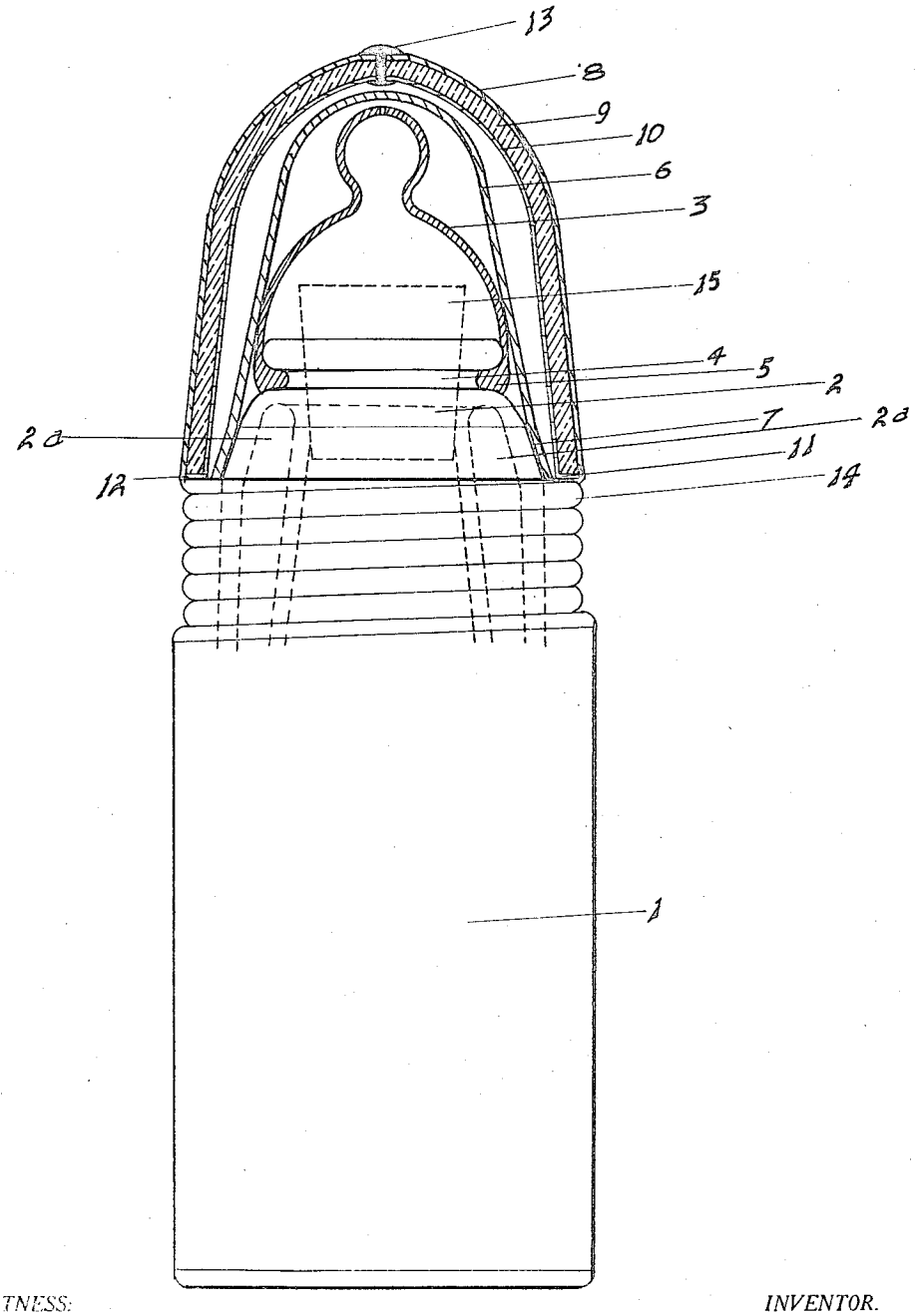
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THERMAL VACUUM NURSING BOTTLE.

APPLICATION FILED MAR. 4, 1922.

1,432,344. Patented Oct. 17, 1922.



WITNESS:

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Patented Oct. 17, 1922. 1,432,344

UNITED STATES PATENT OFFICE.

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THERMAL VACUUM NURSING BOTTLE.

Application filed March 4, 1922. Serial No. 540,969.

To all whom it may concern:

Be it known that I, HOMER H. LANCASTER, a citizen of the United States, residing at Portland, county of Multnomah, and State of Oregon, (whose permanent post-office address is 202 Stevens Building), have invented new and useful Improvements in Thermal Vacuum Nursing Bottles, of which the following is a specification.

My invention consists of a novel, new and useful means of constructing the ordinary vacuum thermal bottles wherein and whereby the nursing nipple may be attached to the top or feeding end of the thermal bottle at the time the feeding or nursing fluid of the desired temperature is placed within the bottle.

An inclosure cap or jacket is then placed over the nipple and engages a tapered connection between its lower end and the bottle, or a jacket, or case, covering the bottle in such manner as to form a tight joint both at the point of contact with the sloping sides of the engagement and also by coming in contact at the extreme end with the bottle or jacket itself. An additional insulated cap is then placed over the initial cap or jacket composed of steel, aluminum or other rigid material and having an insulated material placed on the inner side of the outside jacket to prevent the escapement of the desired temperature and having on its inner surface another jacket of steel, aluminum or other rigid material contacting at its lower end with the outside jacket, thereby sealing the insulated material between the outside and inside jackets, thereby preventing the insulating material from becoming soured or rancid by coming in contact with the nursing or feeding fluid.

I attain these objects by the mechanism illustrated in the accompanying drawing.

The Figure is a section view of the nipple in place on the thermal vacuum nursing bottle, showing a section view of the inner cap showing its contact with the sloping shoulder to hold it in place and forming a tight joint with the same also illustrating a section of the inner and outer jackets covering the insulating material. To more clearly describe the construction of the device used in my construction, I more specifically refer to the same by the following numerals in which—

1 is the outer rigid casing for the thermal vacuum nursing bottle. 2 is the thermal vacuum nursing bottle. 2^A is the vacuum space surrounding the nursing fluid. 3 is the nursing nipple having a bead around its lower extremity 5. This bead formed on the nursing nipple, fits into the groove 4, thus forming a tight connection between the bottle and the nipple. 6 is a rigid cap fitting over the nursing nipple and contacting with the sloping side 7 of the thermal vacuum nursing bottle. It will be noticed that this sloping shoulder on the bottle is below the vacuum space surrounding the bottle, thereby preventing the flow of the temperature to the same. 8 is the outer rigid jacket which is to be ornamental as well as covering the outer surface of the insulating material. 8 is preferably made having formed on its lower end, a screw for permitting the attaching of the same to case 1. 9 is the insulating material which is placed on the inner part of cap 8, and 10 is the inner casing contacting closely with the inner surface of insulating material 9. Formed on the lower extremity of inner casing 10 is an angle, bend 11 which contacts with cap 8 at 12 at which point it is sealed, thereby forming a tight hermetic seal between the inner and outer caps, thereby preventing the contamination of the insulating material by contacting with the feeding fluid. 13 is a suitable rivet connection between the inner and outer caps at the top of the same. 15 is a cork which may be placed in the upper end of the bottle when the same is not being used as a nursing bottle.

Having thus described my invention, I wish to make the following claims therefor:

1. In a thermal vacuum nursing bottle wherein a vacuum nursing bottle has an annular groove formed therein adjacent the upper end, wherein a nursing nipple has an annular bead received in said groove, a rigid cap inclosing the nipple and engaging the upper end of the nursing bottle, and a thermal jacketed cap inclosing the aforesaid cap.

2. In a thermal vacuum nursing bottle wherein a vacuum nursing bottle has an annular groove formed therein adjacent the upper end, wherein a nursing nipple has an annular bead received in said groove, a rigid cap inclosing the nipple and engaging the upper end of the nursing bottle, and a thermal jacketed cap inclosing the aforesaid cap and threaded onto the nursing bottle.

3. In a thermal vacuum nursing bottle wherein a vacuum nursing bottle has an an-

naular groove formed therein adjacent the upper end, wherein a nursing nipple has an annular bead received in said groove, a rigid cap inclosing the nipple and engaging the upper end of the nursing bottle, and a thermal jacketed cap inclosing the aforesaid cap and threaded onto the nursing bottle, the thermal jacketed cap embodying inner and outer spaced walls and an insulating material between the walls.

4. In a thermal vacuum nursing bottle wherein a vacuum nursing bottle has an annular groove formed therein adjacent the upper end, wherein a nursing nipple has an annular bead received in said groove, a rigid cap inclosing the nipple and engaging the upper end of the nursing bottle, a thermal jacketed cap inclosing the aforesaid cap and threaded onto the nursing bottle, the thermal jacketed cap embodying inner and outer spaced walls and an insulating material between the walls, and a depending threaded flange carried by the jacketed cap.

HOMER H. LANCASTER.