Sept. 11, 1956 Y. H. KURKJIAN 2,762,520

VENT CONTROLLING NURSING UNIT

Filed Oct. 17, 1955

Fig. 1.

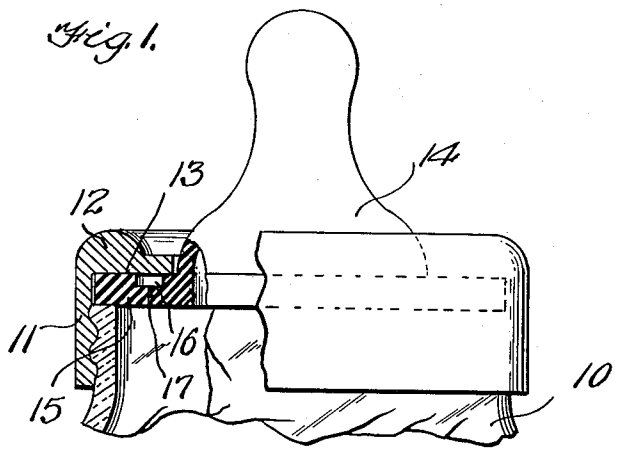
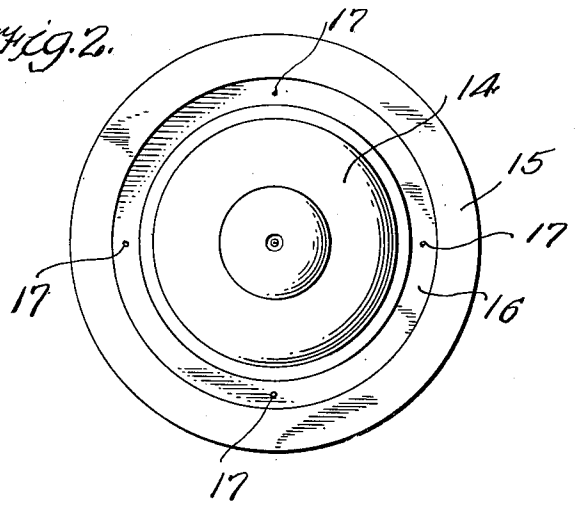


Fig. 2.



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VENT CONTROLLING NURSING UNIT

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1 Claim. (Cl. 215—11)

This invention relates to a nursing unit, and has for one of its objects the production of a simple and efficient controlling means for a flexible vented flange nipple, in the nature of a channel formed in the nipple flange and communicating with a venting means in the flange, the flange directly contacting the cap to automatically seal the venting means when nursing is discontinued.

A further object of this invention is the production of a simple and efficient vented flange nipple in combination with a cap, the flange of the nipple having a channel communicating with a vent, and the cap engaging the flange inwardly of the channel and close to the neck of the nipple to automatically seal the venting means when nursing is discontinued.

The present invention is a modification of the structure shown in my application relating to a Nipple Carrying Vent Controlling Ring, filed February 24, 1953, Serial Number 338,545.

Other objects and advantages of the present invention will appear throughout the following specification and claim.

In the drawing:

Figure 1 is a side elevational view of the nursing unit, certain parts being shown in section; and

Figure 2 is a top plan view of the nipple forming part of the nursing unit.

By referring to the drawing by numerals, it will be seen that **10** designates a container having a large open end upon which a cap **11** is removably and adjustably secured or threaded. The cap **11** is provided with an inturned integral sealing flange **12** having a circumferential flat sealing face **13**, constituting a nipple flange engaging means.

A flexible or rubber nipple **14** having a flexible annular and lateral nipple flange **15** is carried by the container **10**. The flange **15** is provided with a circumferential venting channel or recess **16** upon its outer or upper face, which is located directly under the under or inner face **13** of the flange **12**, adjacent and not far from the body of the nipple **14**, as is shown in Figure 1. This channel or recess **16** is inset from the outer face of the flange **15**, and a vent **17** extends through the flange **15** and communicates with the channel or recess **16**. The vent has an open end inset within the channel or recess **16**,

so that the open end of the vent is at all times out of contact with the nipple flange engaging means or flange **12**. It should be understood that the venting means may include one or more aperture vents within the scope of the invention, and that the recess **16** may be of a suitable type to accomplish the purpose of the invention.

It is important to note that the venting channel **16** is formed adjacent the neck of the nipple **14**, and that the channel **16** communicates with vent **17**. The channel **16** is inset from the outer edge of the flange **15**, and the flange **15** is provided with a circumferential flat upper sealing face in close proximity to said neck of the nipple for releasably abutting in flat contact or engagement with the flat inner face **13** of the cap flange **12**. It should be further noted that the nipple flange engaging face **13** of the cap flange **12**, overlies the channel **16** and contacts the outer or upper face of the nipple flange **15** intermediate the channel **16** and the neck of the nipple **14** to normally close or seal the channel **16**. Since the vent is inset in the channel **16**, the open end of the vent **17** will be at all times out of contact with the flange **12**, thereby preventing clogging of the vent.

The channel **16** defines an air passageway communicating with and overlying said vent aperture **17** to convey air throughout the length of said passageway to the vent aperture **17** when the sealing face of the flexible flange intermediate the channel **16** and the neck of the nipple **14** flexes away from the sealing face **13** of the cap flange **12** at any point within the length of said sealing faces adjacent said passageway during the process of nursing.

Having described the invention, what is claimed as new is:

In combination with a container, a cap adjustably secured to said container and including an integral sealing flange having a circumferential flat sealing face, a nipple having a neck and flexible nipple flange, said flexible nipple flange having a circumferential flat sealing face in close proximity to said neck of said nipple and releasably abutting said flat sealing face of said cap flange, said nipple flange having a vent aperture therein adjacent said sealing face of said nipple flange, one end of said aperture being inset relative to said cap flange, said nipple flange having a circumferential channel in the upper face thereof outwardly of said nipple flange sealing face and providing an air passageway between said cap flange and nipple flange, said air passageway communicating with and overlying said vent aperture to convey air throughout the length of said passageway to said vent aperture when the sealing face of said flexible nipple flange flexes away from said sealing face of said cap flange at any point within the length of said sealing faces adjacent said passageway during the process of nursing.

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