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PROTECTIVE RUBBER CAP WITH STOPPLE FOR MILK BOTTLES.

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1,093,211. Patented Apr. 14, 1914.

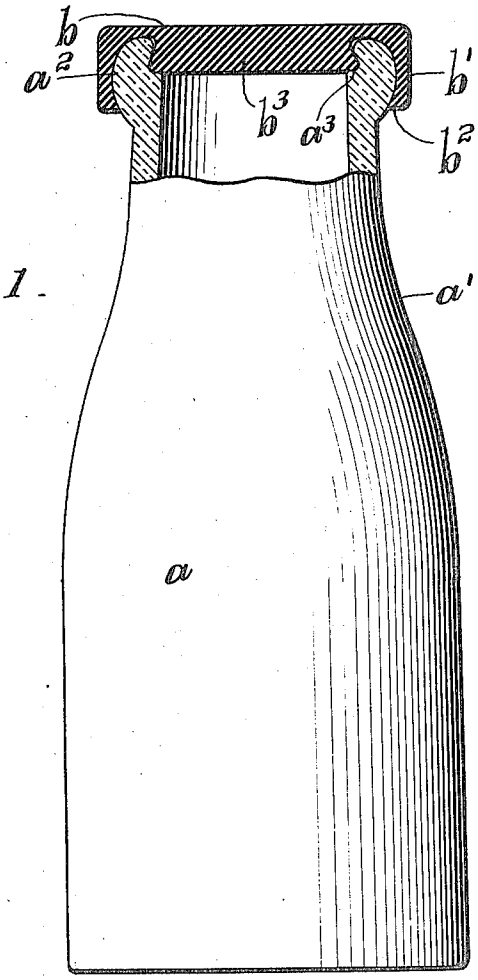


FIG. 1.

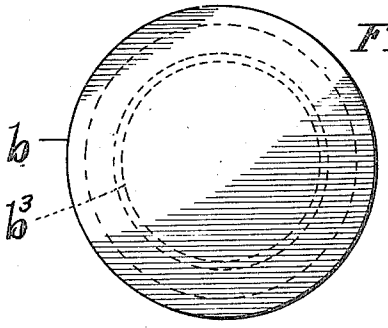


FIG. 2.

WITNESSES

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PROTECTIVE RUBBER CAP WITH STOPPLE FOR MILK-BOTTLES.

1,093,211. Specification of Letters Patent. Patented Apr. 14, 1914.

Application filed November 5, 1913. Serial No. 799,264.

To all whom it may concern:

Be it known that I, SAUL SCHULHOFF, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and Improved Protective Rubber Cap with Stopple for Milk-Bottles, of which the following is a specification.

My invention has relation to a rubber cap with an integral spring-like stopple, for a milk bottle so arranged as to fit and protect the flanged wall of the mouth of said bottle against chipping or scaling and the stopple to engage the recess of said flanged mouth so as to hermetically seal the contents of the said bottle against foreign or extraneous matter to thus provide a thoroughly protected and sanitary bottle, for containing lacteal or other fluids.

The nature and scope of my present invention will be more fully understood from the following description taken in connection with the accompanying drawings forming part hereof, in which—

Figure 1, is a vertical longitudinal section of a bottle provided with a protective rubber cap having an integral spring-like stopple of a type, embodying the particular main features of my present invention; and Fig. 2, is a top plan view of the cap with its stopple, showing the detail arrangement thereof, for respectively, the cap fitting the flanged mouth of the bottle of Fig. 1, and the spring-like stopple snugly fitting the recessed inner wall in the neck about the flanged mouth of said bottle.

Referring to the drawings, a, is an ordinary milk-bottle provided with a tapered neck a^1, terminating in a flanged rounded wall mouth a^2, and on the inside formed into a recessed seat a^3, having a greater diameter at the base than at the mouth end of the said neck.

b, is the protective rubber cap having a flat face terminating in a circular rim b^1, thickened toward the lower end b^2, so as to snugly contour with and snap onto the flange a^2, of the mouth of the said milk-bottle, as clearly shown in Fig. 1.

b^3, is the centrally located depending stopple formed integral with the body of the cap b, and arranged so as to snugly engage in the recessed seat of the neck below the bottle mouth proper, as clearly illustrated. The cap spanning and concealing the flanged mouth of the bottle to prevent scaling or chipping of the same and thus to protect it and the stopple snugly fitting the recessed seat of the bottle neck a^1, thus protects and maintains in a sanitary condition the internal contents of the milk-bottle and also prevents in overturning of the bottle of the contents oozing out and attracting flies; and at the same time the said cap with its stopple permitting of ready removal for pouring the contents of the bottle as desired, and of then quickly restoring to preserve intact the contents free from the contaminating influence of germ life or foreign or extraneous matter.

The cap with its stopple is preferably made of a rubber composition so treated as not to affect the contents in any manner and yet the cap is sufficiently elastic or yielding to permit of quick handling for removing and the stopple is so formed as to spring snugly into the recessed seat so as to maintain its seating under any overturning of the bottle either accidentally or otherwise.

Having thus described the nature and objects of my said invention, what I claim as new and desire to secure by Letters Patent is:—

In combination a bottle having the neck wall internally formed with an annular recess of greater diameter at the base than at the mouth end of said neck and said neck externally formed into a rounded enlargement tapering from the mouth end toward the neck proper and a rubber stopper having a flat face and a downwardly extending circular rim thickened toward the lower end and a downwardly extending central projection expanded toward the lower end, to respectively fit into the base portion of said recessed neck-wall and said rim fitting over the external enlargement of said bottle-neck, substantially as shown and for the purposes described.

In witness whereof, I have hereunto set my signature in the presence of the two subscribing witnesses.

SAUL SCHULHOFF.

Witnesses:

THOMAS M. SMITH,

HELEN S. HOLT.