April 12, 1927. 1,624,276

C. NELSON

SANITARY COVER AND STRAINER FOR MILK PAILS

Filed Sept. 29, 1925

Fig. 1.

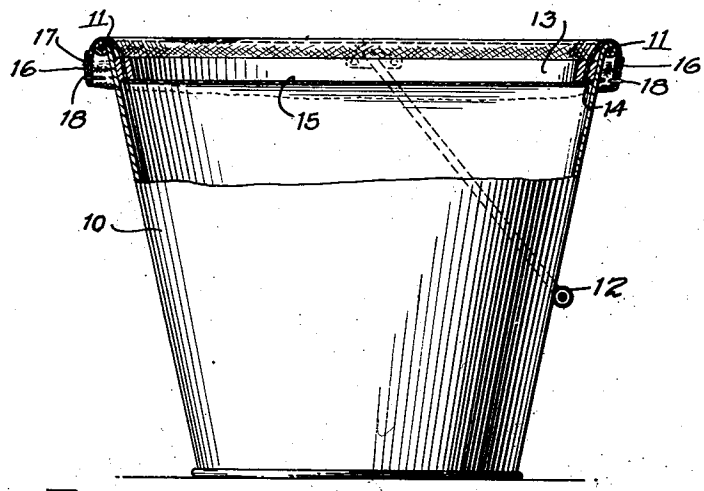


Fig. 2.

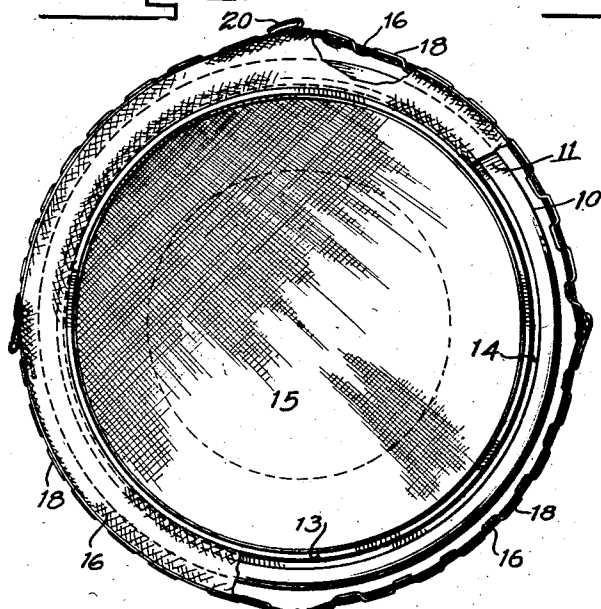


Fig. 3.

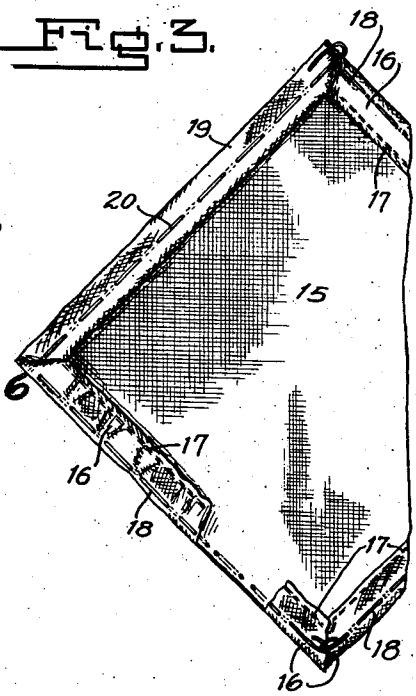
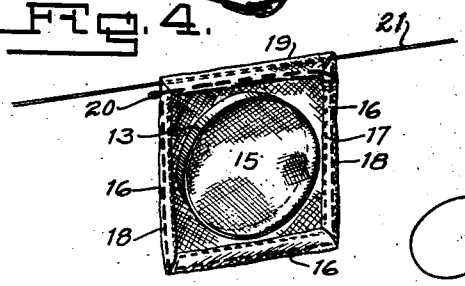


Fig. 4.



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UNITED STATES PATENT OFFICE.

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SANITARY COVER AND STRAINER FOR MILK PAILS.

Application filed September 29, 1925. Serial No. 59,386.

The present invention relates to milk pails, and more particularly to a cover or strainer for protecting the contents of the pail.

An object of the present invention is to provide a cover or strainer which may be easily applied to a milk pail and which is so constructed that it may be conveniently removed and washed out and dried between each operation or use of the pail.

Another object of the invention is to provide a cover or protector of this character which embodies a frame and an open mesh filler of cheesecloth or the like which is held taut in the frame to cover the contents in the milk pail, the frame being constructed to fit in the upper end of the milk pail near the top thereof to utilize the wall of the pail as a support for the device.

A further object of the invention is to provide a novel type of frame for fitting in the top of a milk pail or the like and which supports a filler cloth in position which permits the cloth to hang over the upper edge of the pail, and to provide a stiffening and weighing means in the outer edge of the cloth to hold it yieldingly over the edge of the pail.

A still further object of the invention is to provide a filler cloth with a hem extending for a considerable distance about the marginal edge of the filler cloth and to provide a foldable flat portion at the intervening marginal edge to receive a detachable threading member to permit of the suspension of the filler cloth upon a clothes line or the like for holding the same spread while drying, the hem encasing a stiffening element which is capable of being bent so as to conform the cloth to the shape of the upper end of the pail.

The above and various other objects and advantages of this invention will in part be described in, and in part be understood from the following detailed description of the present preferred embodiment, the same being illustrated in the accompanying drawing, wherein:

Fig. 1 is a side elevation partly in section of a milking pail having the sanitary cover and strainer of this invention applied thereto.

Fig. 2 is a top plan view of the same, parts being broken away to show the structure of the cover.

Fig. 3 is a fragmentary plan view of the cover, and

Fig. 4 is a perspective view of the cover suspended in spread position upon a clothes line.

Referring to the drawing 10 designates a milk pail of approved form which is provided with an upwardly flaring or enlarged body providing a downwardly and inwardly inclined wall and which has a marginal bead 11 about its upper edge. The pail is provided with the usual pail or handle 12 which when not in use is swung downwardly as shown in Fig. 1.

The improved cover comprises a frame which is made up of a pair of rings 13 and 14 adapted to interfit and which are transversely inclined to conform to the inclination of the wall of the pail 10. The rings 13 and 14 are shaped to the configuration of the pail, which in the present instance is circular and are of such size as to wedge into the upper end of the pail for supporting the rings therein.

The rings 13 and 14 are concentrically disposed one within the other and are adapted to clamp therebetween an open mesh filler cloth 15 which may be cheesecloth, or other suitable fabric capable of being washed out after use. As shown to advantage in Fig. 3 the filler cloth 15 is preferably cut rectangularly and is provided about three sides with a hem 16 secured by a line of stitching 17 for reinforcing the edge portion of the cloth to strengthen the same. In order to stiffen the edge portion of the cloth, the hem is provided with a malleable wire 18 which is threaded throughout the hem 16 and, as shown in Fig. 2, is threaded back and forth through both thicknesses of the hem 16 in order to firmly support the bendable wire 18 and so that when the wire and the hem are crushed down about the bead 11 of the milk pail, the hem and marginal portion of the cloth 15 will remain in such fitted position.

The remaining side of the cloth 15 is provided with a flap 19 which corresponds in depth to that of the hem but which is free and unstitched so that it may be swung into open and closed position. This flap 19 is adapted to be held in folded position by a bendable wire 20 which is threaded back and forth through the flap 19 and the adjacent edge portion of the cloth, permitting the flap and adjacent parts to be bent and

crushed together about the bead 11 in the manner described in connection with the other three sides of the cloth. Each side of the cloth may be provided with separate wires 18, and within the hem, the wires 18 may be bent or looped together to continuously stiffen the marginal edge of the cloth.

In use, the rings 13 and 14 are arranged at opposite sides of the cloth 15, the cloth is drawn taut over one of the rings, and the other ring is moved into concentric position with respect to the first ring so that the rings draw the cloth taut in the frame and the cloth is bound firmly between the rings. The outer edge portion of the cloth is arranged to extend upwardly between the rings as shown in Fig. 1, and the edge of the cloth is carried over the bead 11 and hangs down therefrom. The depending edge portion of the cloth is crushed inwardly by hand so as to bend the wires 18 and the latter, by their inherent resistance to bending, hold the cloth in such crushed position and thus maintain the edge portion of the cloth taut over the bead 11.

After use, the cloth can be easily straightened out by bending the wires 18 and 19 into straight position and the cloth may then be pulled upwardly to remove the frame from the pail. The cloth may now be washed with or without removing the rings 13 and 14. The wire 20 is drawn out of the flap 19, the latter is raised and may be swung over a clothes line 21 or the like and then swung back into position, and the wire 20 rethreaded through the flap and the adjacent portion of the cloth for securely holding the cloth to the clothes line 21 and for holding the cloth in stretched position.

It is of course understood that various changes and modifications may be made in the details of construction and design of the above specifically described embodiment without departing from the spirit thereof, and being restricted only by the scope of the following claims.

What is claimed is:

1. A milk pail cover and strainer comprising a frame adapted to fit in the upper end of a pail, a strainer cloth carried in the frame and having its edge portion extending upwardly for engagement over the upper edge of the pail, and a bendable wire threaded about the edge portion of the cloth to weigh the same down and hold it over the edge of the pail, said bendable wire being adapted to be bent inwardly against the side of the pail to crush the edge portion of the cloth thereabout and maintain the cloth taut over the pail.

2. A milk pail cover and strainer comprising a frame adapted to fit in the upper end of the pail, a strainer cloth carried in the frame with its edge portion extending beyond the frame for engagement over the upper edge of the pail, said strainer cloth having a marginal hem extending part way around the cloth and provided with a flap between the ends of the hem, a bendable wire threaded back and forth through the hem, a second bendable wire removably threaded through the flap and the adjacent portion of the cloth for holding the flap closed, said bendable wires being adapted to be crushed inwardly about the sides of the pail to hold the cloth over the edge of the pail, said removable wire being adapted to be withdrawn from the flap to release the same for engagement over a clothes line to support the cloth after washing, said removable wire being adapted to maintain the flap taut during the drying of the cloth.

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