

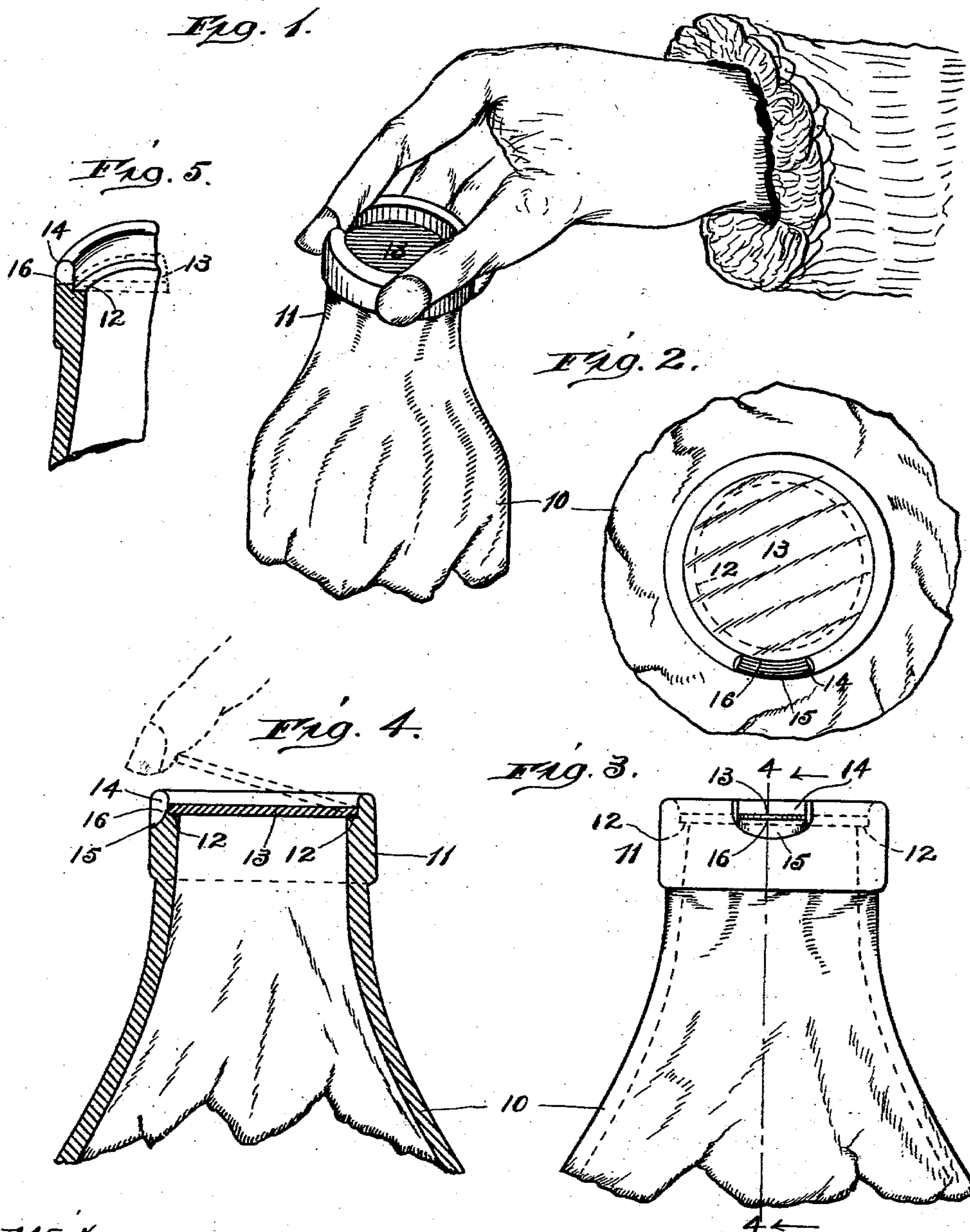
No. 743,841.

PATENTED NOV. 10, 1903.

S. L. EGENAS.  
MILK BOTTLE.

APPLICATION FILED MAR. 21, 1903.

NO MODEL.



Witnesses:

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## UNITED STATES PATENT OFFICE.

SEVERIN L. EGENAS, OF CHICAGO, ILLINOIS.

## MILK-BOTTLE.

SPECIFICATION forming part of Letters Patent No. 743,841, dated November 10, 1903.

Application filed March 21, 1903. Serial No. 148,889. (No model.)

*To all whom it may concern:*

Be it known that I, SEVERIN L. EGENAS, a subject of the King of Sweden and Norway, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Milk-Bottles, of which the following is a specification.

This invention relates to improvements in that class of bottles or jars used for holding and delivering milk to consumers; and it consists in certain novel and peculiar features of the construction thereof, as will be hereinafter more fully set forth and specifically claimed.

As is well known, in cities and large towns milk is delivered by milk-dealers to their customers in bottles of different sizes which are closed by means of disk-like stoppers forced into the mouth of the bottle, so that they lie at their upper surfaces some distance below the rims of the bottle-mouths. In order to remove these disk-like stoppers, it has been necessary to employ a pointed instrument, such as a fork or knife, to be inserted between the edge of the disk and the bottle, so as to pry the former up or out, or to pierce the disk, which is usually made of straw-board, so as to lift the same out. Sometimes these disks are removed by pressing down on them with the finger or thumb at their central portions, which operation will cause the disks to bend downwardly and free them at their edges from the bottle, so that they may be removed; but in thus removing them, as well as by the use of an instrument, as above set forth, the milk is frequently spilled or splattered on the clothing of the person opening the bottle.

It is therefore the object of my invention to provide a bottle which shall be so constructed that the ordinary disk-like stoppers may be removed by means of the finger or thumb without the liability of spilling or splashing the milk.

A further object of the invention is to so construct the bottle that there will be no material addition to the cost of manufacture thereof, but which shall be so made as to firmly and securely retain the disk-like stopper in position, so as to prevent leakage in transportation or handling.

In order to enable others skilled in the art

to which my invention pertains to make and use the same, I will now proceed to describe it, referring to the accompanying drawings, 55 in which—

Figure 1 is a perspective view of the upper portion of a milk-bottle embodying my invention, showing the hand of a person in position thereon in the act of removing the stopper. Fig. 2 is a plan view of a portion of the bottle. Fig. 3 is a front view in elevation of the upper part thereof. Fig. 4 is a central sectional view taken on line 4 4 of Fig. 3 looking in the direction indicated by the arrows and illustrating by dotted lines the stopper as being removed by the finger or thumb; and Fig. 5 is a perspective fragmental view of the upper portion of the bottle, showing a modification in its construction. 60 65 70

Like numerals of reference refer to corresponding parts throughout the different views of the drawings.

The reference-numeral 10 represents a milk-bottle of any suitable size and material, which, as usual, is formed with a cylindrical neck or upper portion 11, having just below its rim an internal annular ledge 12, on which the disk-like stopper 13 rests. The upper portion of the bottle or neck 11 is cut away to form a recess 14, having its upper end open, as is clearly shown in the drawings. The lower portion of this recess is preferably downwardly inclined, as at 15, thus forming at its lower inner portion a horizontally-extending rib or part 16, which projects upwardly above the upper surface of the ledge 12 so as to engage the lower portion of the stopper 13 at its edge, thus preventing leakage or loss of milk at the recess, yet permitting enough of the stopper to be exposed so that it may be engaged by the finger in order to easily remove it, as is illustrated in Figs. 1 and 4 of the drawings. Instead of using the finger or thumb for removing the stopper it is evident that a knife or other suitable instrument may be employed and that enough of the stopper will extend above the rib or part 16 to permit it to be engaged by the instrument, so that it may be removed thereby. 75 80 85 90 95 100

While I have shown in Figs. 3 and 4 of the drawings the recess 14 as outwardly beveled or inclined at its lower portion and prefer to



so construct the bottle, for the reason it affords better facility for the flesh of the finger or thumb to engage the stopper, yet I may construct the bottle as shown in Fig. 5, in  
5 which the recess 14 is shown as having its upper end open and its lower end in a horizontal plane to form the rib or extension 16, which, as in the other construction, extends above the ledge 12 sufficiently to engage the  
10 lower portion of the stopper 13, usually about half thereof, at its edge.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

15 1. As an improved article of manufacture, a bottle having in its upper portion an internal ledge and formed above said ledge with a recess, the lower inner portion of which terminates a slight distance above the ledge,  
20 substantially as described.

2. As an improved article of manufacture,

a bottle having in its upper portion an internal ledge, and formed above said ledge with a recess having its upper end open, its lower  
outer portion outwardly inclined, and its 25 lower inner portion terminating in parallelism with the ledge and a slight distance thereabove, substantially as described.

3. The combination with a bottle having in its upper portion an internal ledge and formed 30 above said ledge with a recess, the lower inner portion of which terminates a slight distance above the ledge, of a stopper resting on the ledge and of sufficient thickness to extend above the lower edge of the recess but below 35 the rim of the mouth of the bottle, substantially as described.

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Witnesses:

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