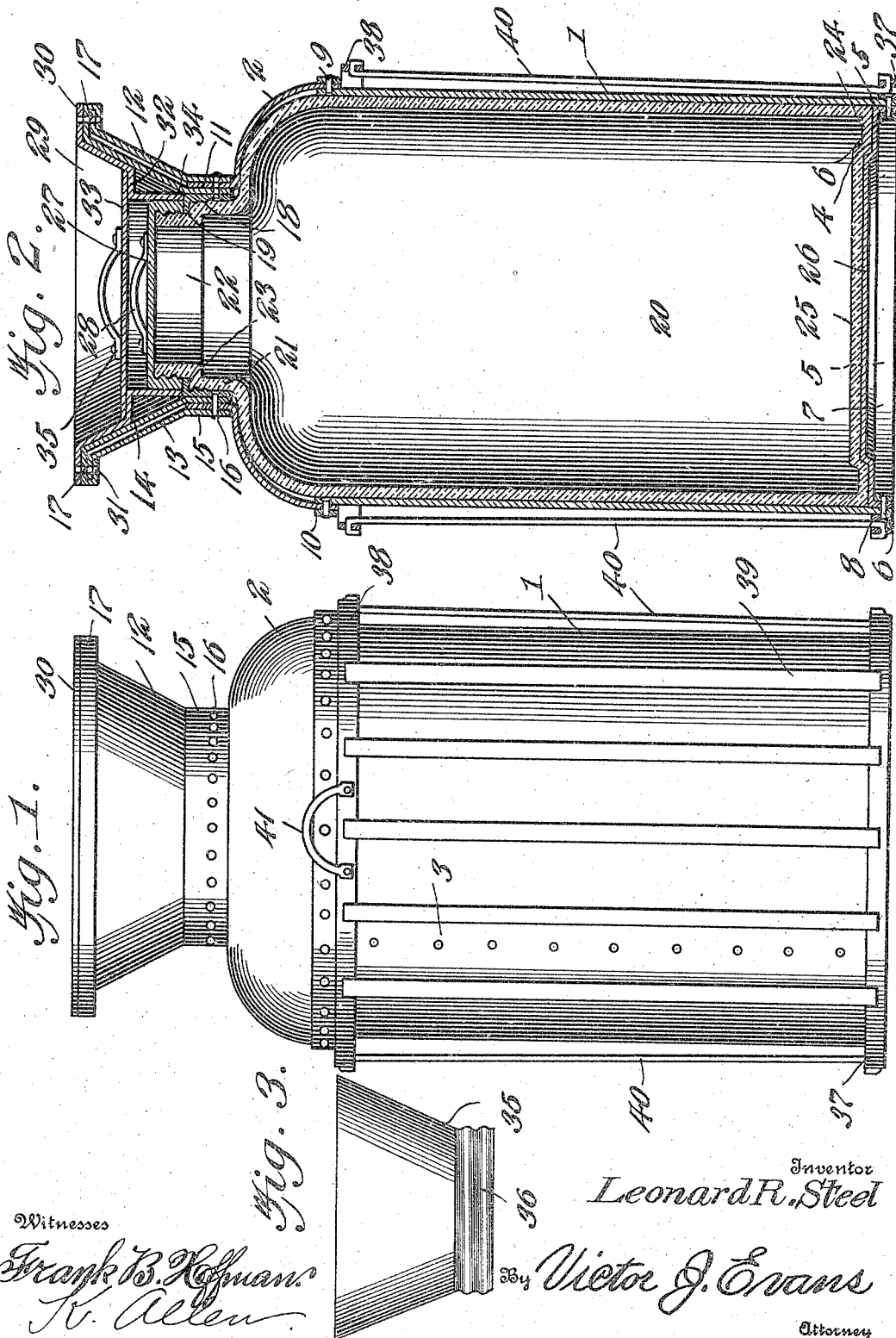


L. R. STEEL.
GLASS LINED MILK CAN.
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947,864.

Patented Feb. 1, 1910.



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LEONARD R. STEEL, OF MILWAUKEE, WISCONSIN.

GLASS-LINED MILK-CAN.

947,864.

Specification of Letters Patent.

Patented Feb. 1, 1910.

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To all whom it may concern:

Be it known that I, LEONARD R. STEEL, a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented new and useful Improvements in Glass-Lined Milk-Cans, of which the following is a specification.

My invention relates to improvements in milk cans.

The primary object of the invention is the provision of a milk can which shall embody such a construction that it may be kept in a highly sanitary condition at all times, the invention comprehending a milk can provided with a lining of glass or other non-corrosive material.

A further object of the invention is the provision of a milk can wherein the lining may be readily and quickly replaced.

A still further object of the invention is the provision of a milk can which shall be comparatively simple of construction, and which may be manufactured and sold at a comparatively low cost.

With the above and other objects in view, the invention consists in the novel construction, combination and arrangement of parts hereinafter fully described and claimed, and illustrated in the accompanying drawing, wherein:—

Figure 1 is a view in side elevation of a milk can constructed in accordance with my invention. Fig. 2 is a sectional view taken on a plane extending vertically and centrally through the milk can, and Fig. 3 is a view in side elevation of a funnel especially adapted for use in connection with the milk can.

Like reference numerals designate corresponding parts throughout the several views.

The body of the can is preferably constructed of metal and in its preferred construction comprises a cylindrical lower section 1 and a dome-shaped upper section 2. The cylindrical section 1 is fully open at its upper and lower ends and is constructed from a single blank of rectangular form, the blank being secured in body section form by means of rivets 3. The seam of the section 1 is soldered. The lower end of the section 1 is closed by a circular bottom 4 which is provided at its periphery with a depending annular flange 5. The bottom 4 is secured in applied position by means of rivets 6 which extend through the flange 5 and

through the section 1, said rivets securing an inner reinforcing ring 7 and an outer reinforcing ring 8 in applied position. The reinforcing rings 7 and 8 prevent the lower edge of the section 1 from being bent or otherwise injured.

The dome-shaped section 2 is secured to the upper end of the section 1 by means of rivets 9 which also secure a reinforcing ring 10 in applied position. The upper end of the section 2 is provided with a vertically rising annular flange 11 to which the flaring mouth 12 of the can is secured.

The flaring mouth 12 comprises an outer wall 13 and an inner wall 14, which are provided at their lower ends with depending annular flanges 15. The flanges 15 embrace the flange 11, and the mouth 12 is secured in applied position by means of rivets 16 which pass through the flanges. The flanges 11 and 15 form the neck of the can. At their upper ends the inner and outer walls of the mouth 12 are provided with horizontally disposed flanges 17, the flange of the inner wall having an interlocking engagement with the flange of the outer wall. An annular member 18, which is threaded on its inner surface and which is provided at its upper edge with a stop flange 19, is secured within the neck of the can by means of the rivets 16.

A receptacle 20, which is constructed of glass or any other non-corrosive material, is arranged within the body of the can, and forms a lining for the can. The receptacle 20 is provided with a neck 21 which has its outer surface threaded for engagement with the threads of the member 18. The neck 21 is provided with a reduced extension 22 which is offset inwardly and which is provided on its outer surface with screw-threads. The extension 22 forms a shoulder 23 which abuts against the stop flange 19 of the member 18. The bottom wall 24 of the receptacle or lining 20 is provided with a circular recess 25 which receives a circular head 26 formed by inwardly offsetting the bottom 4 of the can. The receptacle or lining 20 is closed by a cap 27 which has threaded engagement with the threaded portion of the extension 22 of the neck 21, said cap being provided with a handle 28 by means of which it may be readily applied and removed.

The body of the can is closed by a cover 29 which is provided at its upper end with a

flange 30 which rests upon the flange 17 of the mouth 12, said flanges being provided with registering openings 31 which permit the cover to be secured in applied position 5 through the medium of a seal. The cover 29 is offset inwardly as at 32 to which the head 33 of the closure is secured and from which depends an annular member 34, the member 34 embracing the side wall of the cap 27. 10 A handle 35 is secured to the head 33 of the closure 29 and provides means by which the closure may be applied and removed.

As the receptacle or lining 20 is constructed of a material which may be easily cleaned 15 and sterilized, the can may be kept in a highly sanitary condition at all times; and as the material is non-corrosive, the milk in the can is free from contamination. As the receptacle or lining 20 is removable, it may 20 be replaced when broken or otherwise rendered unfit for use. The cap 27 prevents the entrance of foreign matter into the receptacle or lining 20, and the closure 29 prevents the accumulation of foreign matter on the 25 inner surface of the mouth 12 and upon the cap 27. A funnel 35 which is provided with a depending threaded flange 36, is adapted to be used in filling and emptying the can. The funnel 35 is applied by threading it on 30 the extension 22 of the neck 21.

The can is removably mounted in a crate which comprises a lower annular member 37, an upper annular member 38, and slats 39 and 40. The slats 39 are secured at their 35 upper ends to the annular member 38, and extend across the lower member 37. Those portions of the slats 39 which extend across the lower member 37 form a base upon which the can rests. The slats 40 are secured at 40 their ends to the members 37 and 38. Handles 41 are secured to the upper member 38. As the handles are secured to the crate, no strain is thrown on the can during the handling of the same.

45 It should be apparent from the above de-

scription, taken in connection with the accompanying drawing, that I provide a milk can which may be kept in a highly sanitary condition at all times, which is simple, durable, and efficient, and which may be manu- 50 factured and sold at a comparatively low cost.

While I have described the method of operation of the invention, together with the construction which I now consider to be the 55 best embodiment thereof, I desire to have it understood that the construction shown is merely illustrative and that such changes may be made when desired as are within the scope of the claims. 60

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

1. The combination with a can, of an annular threaded member secured within the neck of the can and provided with a hori- 65 zontal flange, a receptacle located within the can and having its neck provided with screw-threads for engagement with the screw-threads of the member and with a shoulder for engagement with the flange of the mem- 70 ber, and a closure.

2. The combination with a can, of an annular threaded member secured within the neck of the can and provided with a hori- 75 zontal flange, a receptacle located within the can and having its neck provided with screw-threads for engagement with the screw-threads of the member, the neck being reduced at a point above the screw-threads to provide a shoulder for engagement with the 80 flange of the member, a closure applied to the reduced portion of the neck, and a closure for the can.

In testimony whereof I affix my signature in presence of two witnesses.

LEONARD R. STEEL.

Witnesses:

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