L. R. STEEL.

MILK CAN.

APPLICATION FILED MAR. 9, 1911.

1,053,237.

Patented Feb. 18, 1913.

2 SHEETS—SHEET 1.

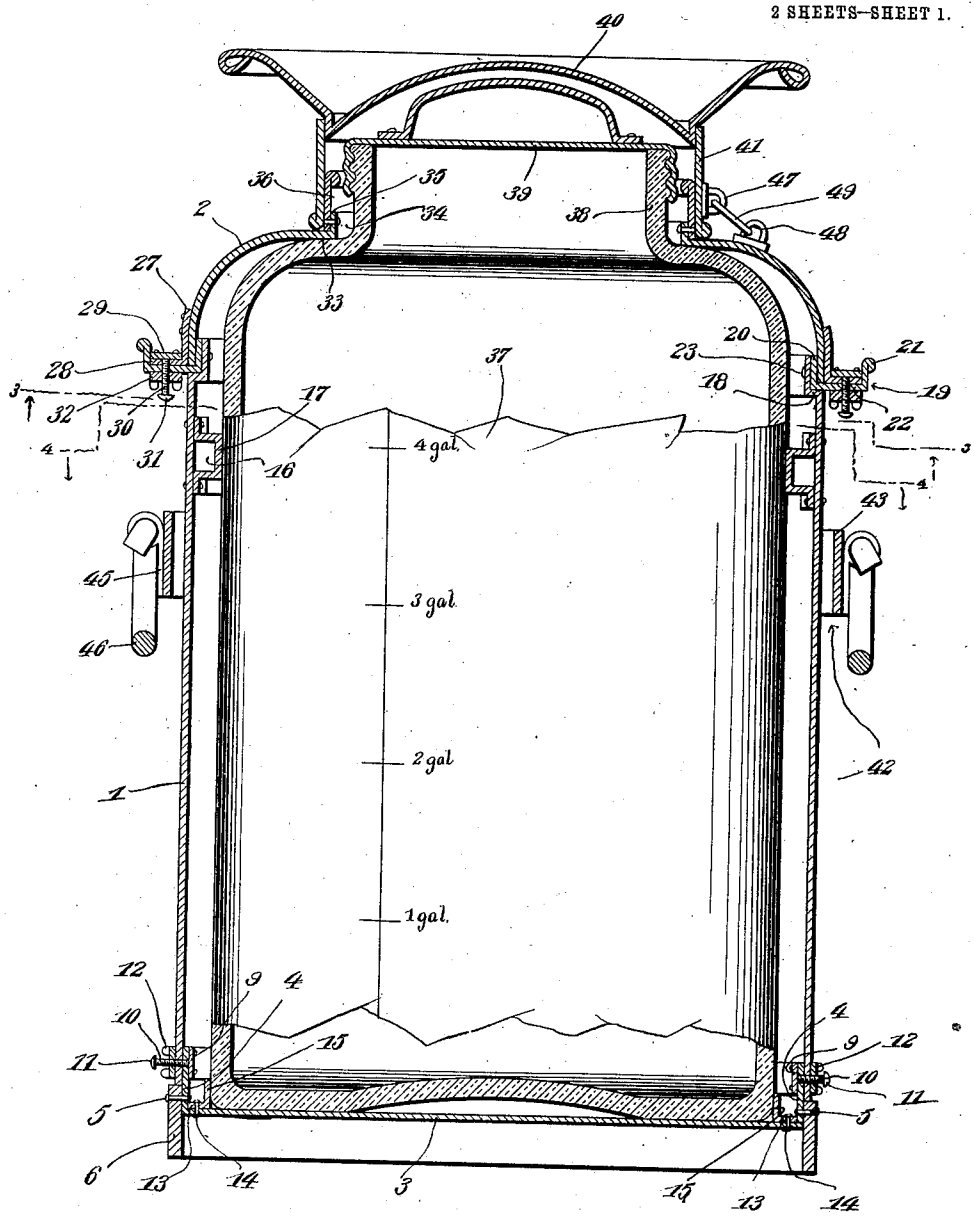

Fig. 1.

Witnesses

J. H. Crawford.

James A. Wolle

Inventor

Leonard R. Steel,

By Victor J. Evans

Attorney

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2 SHEETS—SHEET 2.

Fig. 2.

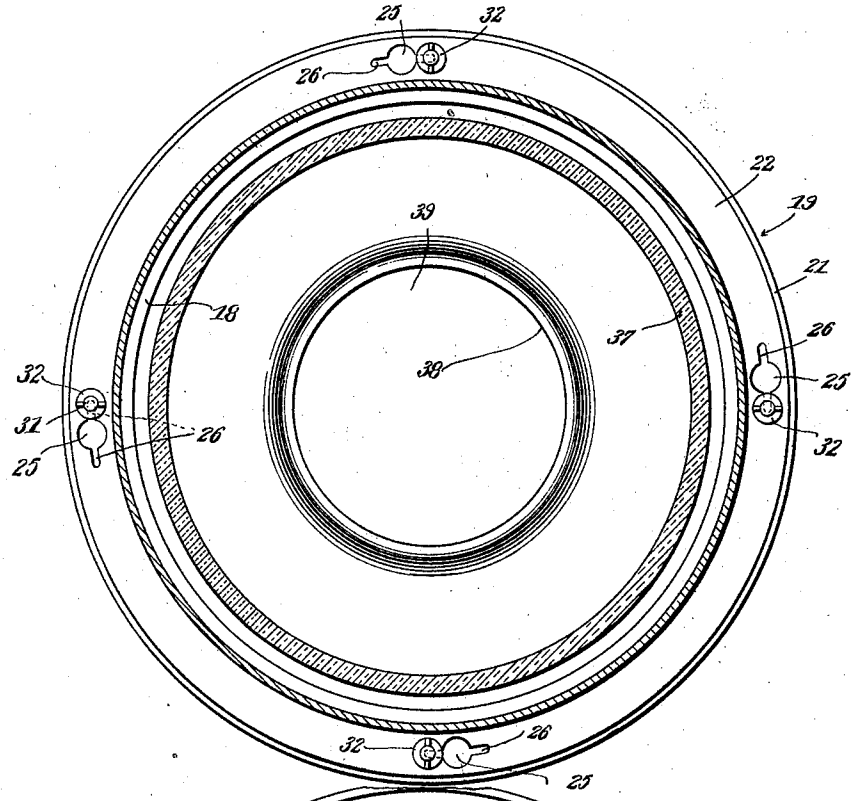
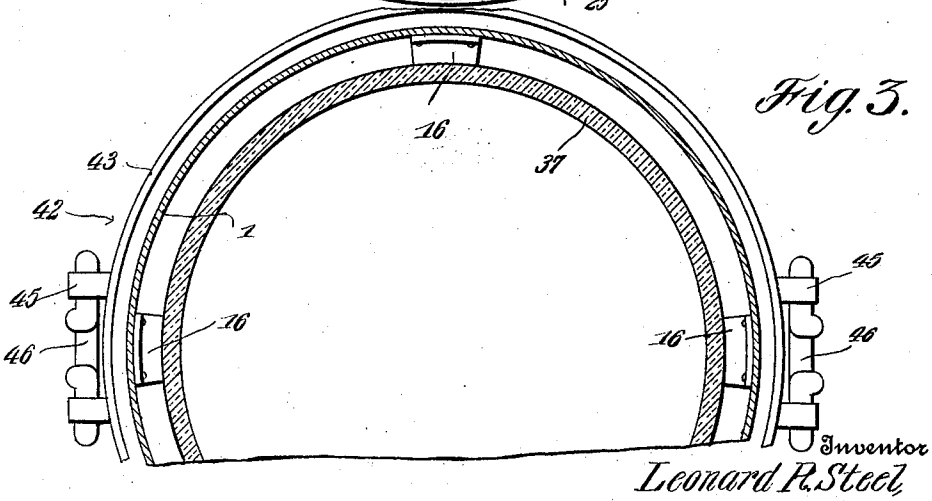


Fig. 3.



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Attorney

UNITED STATES PATENT OFFICE.

LEONARD R. STEEL, OF CLEVELAND, OHIO.

MILK-CAN.

1,053,237. Specification of Letters Patent. Patented Feb. 18, 1913.

Application filed March 9, 1911. Serial No. 613,274.

To all whom it may concern:

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

This invention relates to milk cans.

The object of the invention is to provide a can including an outer jacket of separable parts and an inner vessel, the former serving to protect the latter and being constructed in a manner which will permit of its said separable parts being conveniently disconnected from each other when it is desired to clean them and the inner vessel.

In the drawings, forming a portion of this specification and in which like numerals of reference indicate similar parts in the several views:—Figure 1 is a vertical section through the device. Fig. 2 is a section taken on line 3—3 of Fig. 1. Fig. 3 is a section on line 4—4 of Fig. 1.

My improved can comprises an outer jacket which includes a lower section 1 and an upper section 2. The lower section has detachably connected therewith a bottom member 3. This member is provided with a vertical peripheral flange 4 to which is riveted or otherwise secured at 5, a depending supporting and reinforcing band 6. This band extends below the plane of the bottom so as to hold the bottom out of contact with the support upon which the can is mounted. The lower section 1 is provided with a pair of bayonet slots whose vertical portions open directly onto the lower edge of the said section 1. Clamping or attaching devices 9 are secured to the flange 4 of the bottom member, and as shown, these devices are provided with horizontal threaded stems 10 which are adapted to be operatively associated in the bayonet slots 7 so as to hold the section 1 and the bottom member securely connected with each other. The stems 10 are formed with stop heads 11 at their outer ends and adjustable on the stems are winged clamping nuts 12 which are designed for clamping engagement with the walls of the section 1 so as to hold the stems 10 securely confined in the bayonet slots.

As shown in Fig. 1 of the drawings, the flange 4 extends above the upper edge of the band 6 and this portion of the flange is embraced by the walls of the section 1. The lower end of the section 1 is adapted to rest on the upper edge of the band 6 when the bottom member and section 1 are operatively connected with each other. A spacing device 13 is secured, at 14, to the bottom member 3, and as shown, this device is provided with a vertical flange 15 which is spaced from the flange 4 of the bottom for a purpose to be hereinafter described. Adjacent to the upper end, the section 1 has secured thereto a suitable number of spacing devices 16. These devices are preferably constructed of sheet metal, each being substantially of U-form cross sectionally so as to present an inwardly extending offset portion 17 which is disposed in direct vertical alinement with the flange 15 on the lower attaching device.

The lower section 1 is offset inwardly at its upper end, as at 18, and embracing such offset portion is a shield 19. This shield includes an inner flange 20, an outer flange 21 and a bottom 22. The inner flange is secured at 23 to the offset upper portion of the lower section 1. The bottom 22 of this shield is provided with slots of identical configuration, each including a main substantially circular portion 25 and oppositely extending branches 26 which are concentric with the axis of the can, as shown in Fig. 3 of the drawings. Members 27 are secured to the lower end of the section 2 of the jacket, and as shown, each member is provided with a horizontal portion 28 to which is secured a plate 29. These plates are provided with depending threaded stems 30 which are headed at their lower ends, at 31. The stems 30 are adapted to be extended through the circular portions 25 of the passages in the shield 19 and to then be extended into the concentric branches 26. In the last named positions of the stems the adjusting or clamping nuts 32 on the stems may be adjusted to bear frictionally against the under-

side of the bottom portion 22 of the shield so as to hold the top section 2 and the bottom section 1 securely connected with each other.

The top section 2 is provided with a contacting portion 33 and with a central opening 34. The opening 34 is defined by the flange 35 and secured to said flange is a collar 36. The glass jar 37 shown herein has its bottom portion seated against the bottom member 3 and adjacent the bottom the vertical walls of the jar are embraced by the flange 15 of the spacing device 13. Adjacent to the opposite end the vertical walls of the jar are embraced by the spacing devices 16. The devices 13 and 16 operate in their entirety to securely hold the vertical walls of the jar spaced from the vertical walls of the sections 1 and 2 of the metal jacket so as to prevent breakage of the jar should the walls of the sections 1 and 2 of the jacket become accidentally indented or mutilated in a like manner. The neck 38 of the jar is exteriorly threaded and adjustably fitted thereto is a cover 39. A main cover 40 is provided for the upper section of the jacket. The cover 40 is provided with a circular flange 41 which embraces the flange 36, as shown. The contacting portion 33 of the upper section of the jacket bears against the top of the jar so as to securely hold the jar against longitudinal movement from the jacket. The collar 36 is spaced from the neck of the jar, and in view thereof, the flange 41 of the main cover is also spaced from the neck of the jar so as to protect the same from breakage should the jacket become indented at this end. The main cover 40 when removed from the upper section of the jacket will expose the neck of the jar so that when the cover of the jar is removed the milk will not come in contact with any metal parts in the pouring operation.

The collar 6 forms one element of a protecting crate 42. The band 43 is provided with suitable attaching brackets 45 on which are mounted pivoted handles 46.

The flange 41 of the main cover is provided with a staple or eye 47 which may be arranged in close proximity with a similar eye 48 on the top section 2 of the metal jacket so as to receive therewith a seal 49. In this manner the main cover may be held securely applied to the jacket.

From the construction described herein it will be seen that all of the sections of the metal jacket may be readily disconnected from each other so as to permit each part to be thoroughly cleaned or sterilized. If it is not desired to clean all of the parts of the metal jacket the upper portion of the jacket may be detached from the portion 1 so as to permit the jar 37 to be thoroughly cleaned. The bottom member 3 is adapted to form a rest for the jar so as to support the same and hold the same out of contact with the floor or other suitable support on which the bottom member may be placed. This protects the jar against breakage when the remaining portions are being cleaned or when assembling the various sections of the outer jacket with each other.

The reinforcing band 6 on which the section 1 of the can is rotatably mounted forms a stop to insure the proper relative adjustments of the attaching devices 9 and the slots in the lower end of the section 1.

I claim:—

1. In a can of the character described, a jacket comprising separable sections, a band embracing one of the sections and extending below the plane thereof, a member supported by the band and extending upwardly therefrom, the other section of the jacket being rotatably mounted on the band and provided with slots, and fastening devices extending from the said member and having removable engagement in the said slots and operating to hold the said sections together.

2. A can comprising a jacket having a removable bottom section, the can body having slots therein, fastening devices on the bottom section of the can, the said devices being adapted for locking engagement in the slots, and a member embracing the bottom section and adapted to contact with the can body to insure the proper relative adjustments of the slotted portion of the can body and the said fastening devices.

3. A can comprising a jacket including a bottom member and a second member rotatably mounted upon the bottom member, the second member having slots therein, means on the bottom member adapted to engage in the slots to hold the first and second members connected with each other, and means on the bottom section rotatably supporting the second section, the said means serving as a stop to limit the vertical relative adjustment of the bottom section and the said second section so as to insure engagement of the fastening devices in said slots.

4. A can, comprising a jacket, including a bottom member and a second member, a band secured to the bottom section and disposed exteriorly thereof and provided with a relatively broad annular upper edge, fastening members extending radially of the bottom member and disposed above the plane of the said relatively broad upper surface of the band and spaced therefrom,

the said second member of the jacket being formed near its lower end with slots adapted to vertically accommodate the said fastening devices and to be associated therewith, whereby the lower edge of the said second section is in mutual contact with the upper surface of the band, and means adjustable on the fastening devices and adapted to impinge against the walls of the said second section whereby to hold said section and the bottom section operatively connected together.

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

LEONARD R. STEEL.

Witnesses:
GUSTAVE SCHARMANN,
ROBT. J. STEEL.