

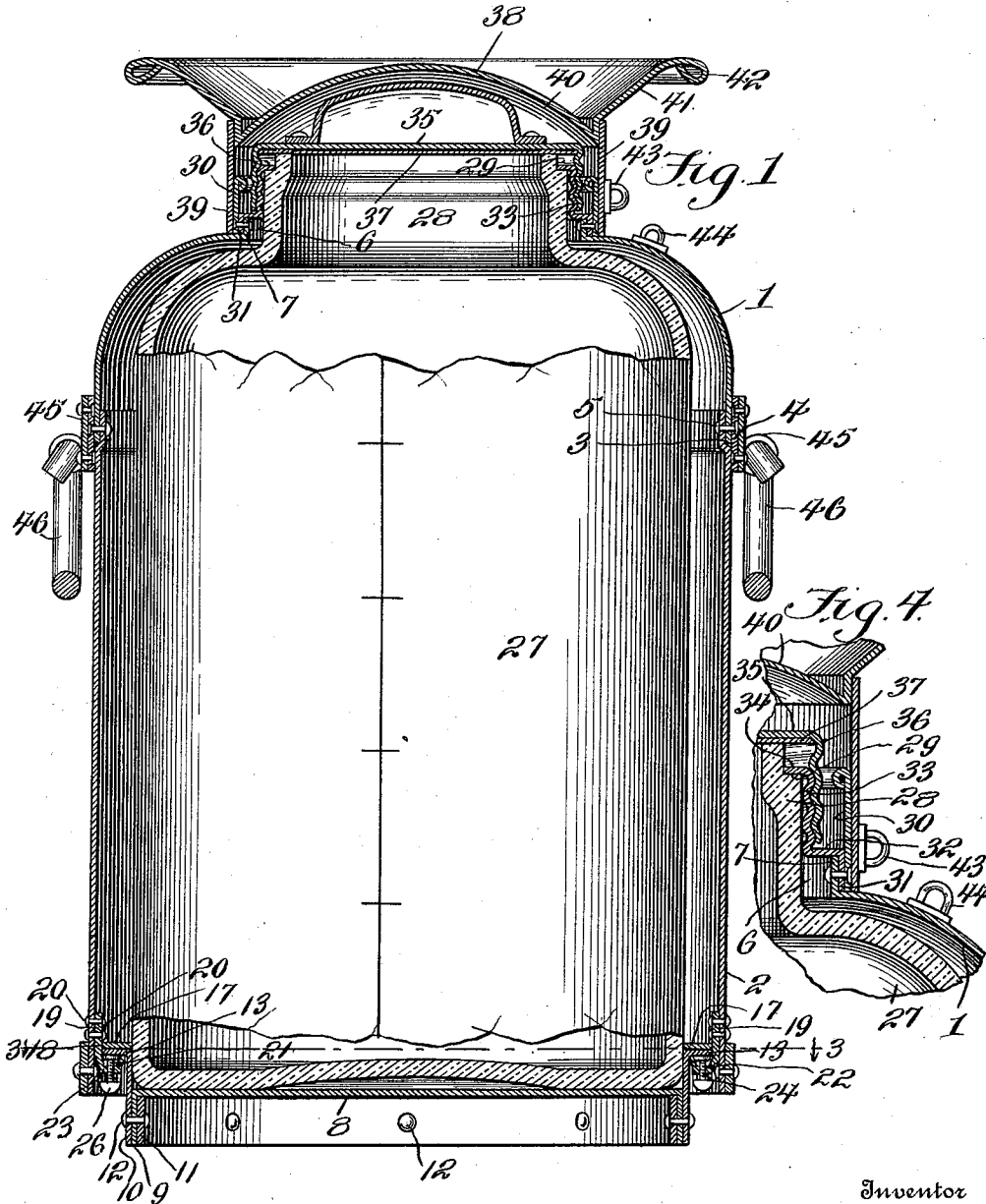
L. R. STEEL.
MILK CAN.

APPLICATION FILED MAR. 7, 1911.

1,008,750.

Patented Nov. 14, 1911.

2 SHEETS-SHEET 1.



Witnesses

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James A. Case

Inventor
Leonard R. Steel

By *Victor J. Evans*

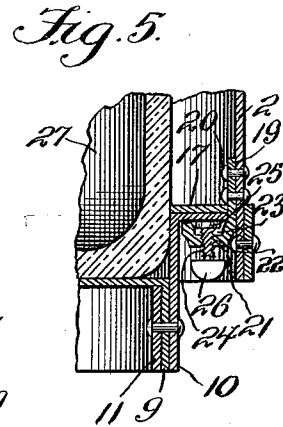
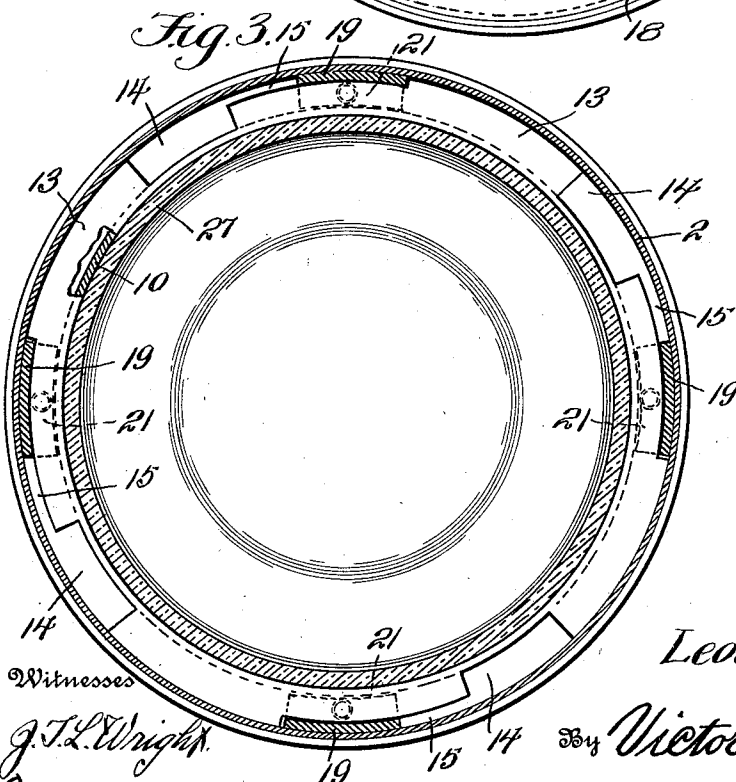
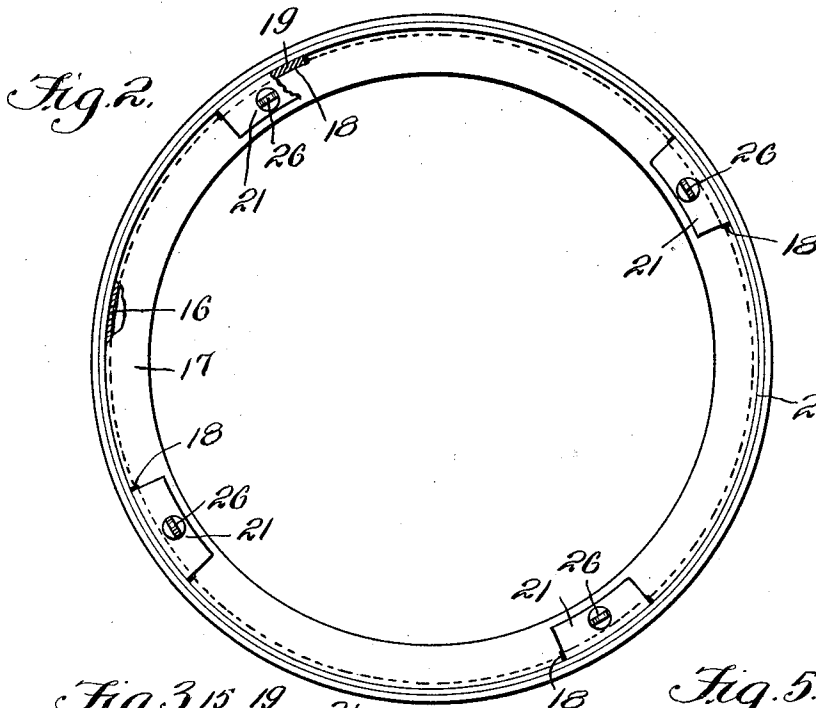
Attorney

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UNITED STATES PATENT OFFICE.

LEONARD R. STEEL, OF CLEVELAND, OHIO.

MILK-CAN.

1,008,750.

Specification of Letters Patent.

Patented Nov. 14, 1911.

Application filed March 7, 1911. Serial No. 612,726.

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 being to provide an outer metal jacket and an inner glass jar, the construction of the metal jacket being such that the walls thereof may be practically wholly spaced from the walls of the glass jar so as to prevent breakage of the latter on accidental damage of the jacket in transit.

Another object of the invention is to provide an outer metal jacket of separable sections including a main body and a bottom, the former being provided with fastening devices adapted to be engaged with the bottom so as to hold the said main body and the bottom securely connected together.

Another object of the invention is to provide in the construction of the jacket means whereby the fastening devices are so arranged with respect to the extreme lower end of the jacket so as to permit manipulation of the devices when the can is in its vertical or normal position.

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 my improved can. Fig. 2 is a bottom plan view thereof with the bottom removed. Fig. 3 is a horizontal section on the line 3—3 of Fig. 1. Fig. 4 is an enlarged section through a portion of the can. Fig. 5 is a section through the lower portion of the can showing in detail a part of the inner jar, a portion of the bottom and the lower portion of the lower section of the jacket.

The can herein shown includes an outer metal jacket of upper and lower sections 1 and 2, the latter being formed at its upper end with an inwardly extending offset portion 3 with which the lower end of the top section 1 is engaged, a clamping band 4 being extended around the can at the joint between the sections 1 and 2 and being secured to the sections by the fastening devices 5. The top section is formed with a central opening 6 and surrounding the opening is a vertical short flange 7.

The lower section is provided with a removable bottom member 8 which is formed with a peripheral depending flange 9. A spacing member 10 is located exteriorly of the flange 9. A reinforcing band 11 is located interiorly of the flange 9, and as shown, the band 11 and the member 10 are secured to the flange 9 of the bottom by rivets or suitable fastening devices 12. The member 10 extends some distance above the bottom 8 and it is formed with a horizontal spacing flange 13. This flange is provided with slots 14, preferably four in number, and as illustrated, each slot is in direct communication with a concentric recess 15 in the flange.

A band 16 is secured to the interior portion of the lower section 2 near the lower end thereof. This band is formed with a horizontal flange 17 which is disposed directly above the flange 13 of the spacing member. The band 16 is provided with vertical recesses 18 through which the vertical brackets 19 extend. These brackets are secured at 20 to the section 2 of the jacket and each is formed at its lower end with a horizontal support 21. Each support is provided with a vertical threaded passage 22 which is in communication with a recess 23. A stem 24 is threaded to fit the passage and it is formed at its upper end with a clamping head 25. This head is located in the recess 23 and is adapted to be brought into clamping engagement with the flange 13 on one adjustment of the stem. The lower end of the stem is provided with a manipulating portion 26. From this construction it will be seen that the stems 24 form fastening devices by means of which the section 2 and the bottom 8 can be securely clamped together.

The inner jar 27 is constructed of glass, being formed at its upper end with a neck 28 exteriorly provided at its upper end with a shoulder 29. The top section 1 is curved upwardly and inwardly from its point of connection with the bottom section 2, being wholly out of contact with the walls of the jar. The flange 7 of the top section has exteriorly secured thereto a collar 30 which extends below the plane of the upper edge of the neck 28. A combined jar-retaining and closure supporting and spacing member 31 is secured between the flange 7 and the collar 30. This member is provided with a lower spacing flange 32 which extends in

the direction of the neck of the jar so as to operate to hold the same entirely spaced from the collar 30. The flange 32 is formed integral with a vertically disposed exteriorly threaded portion 33, the upper end of said portion having formed thereon an inwardly extending horizontally disposed flange 34 which is adapted to bear against the shoulder 29 of the jar so as to hold the bottom of the jar operatively seated against the bottom 8 and accurately associated with the spacing member 10. The neck of the jar is closed by a cover 35 having an interiorly threaded flange 36 which is detachably fitted to the threaded portion 33. A paper disk 37 is preferably confined between the neck of the jar and the cover 35 so as to prevent the milk from coming in contact with the cover.

A main cover 38 is adapted to close the upper end of the section 1. This cover is provided with a relatively wide flange 39 which is exteriorly fitted to the collar 30. The flange extends above the plane of the collar and above the plane of the cover 35 the flange is secured to a crown 40 of concavo-convex form. This crown is provided with outwardly flared walls 41 which are curled to form a circumferential reinforcing bead 42. An eye member 43 is fitted to the flange of the main cover and on proper adjustment of the main cover the eye member may be arranged in such proximity with respect to a similar eye member 44 on the top section 1 so as to receive therewith any suitable well known form of seal, whereby the main cover can be securely held in a locked position.

As hereinbefore described the collar 30 of the top section of the metal jacket is disposed below the plane of the upper edge of the neck 28, being arranged substantially in the same general plane with the flange 34. In view thereof, it will be seen that when the covers 35 and 38 are removed from the jacket and jar respectively the contents of the can may be poured without any liability of the contents passing over any metal parts of the can.

When assembling the glass jar with the metal jacket it may be described that the bottom 8 is placed upon a suitable support, such as a floor or the like and arranged horizontally thereon, after which, the jar is placed upon the said bottom in a position so that the lower end of the jar will be wholly embraced by the spacing member 10. The metal jacket is then placed over the jar and the fastening devices 24 are extended

down through the slots 14 in the spacing member 13. The jacket is then given a slight turn so as to cause the heads 25 of the fastening devices to be operatively disposed beneath the horizontal flange 13. The fastening devices can then be adjusted so as to cause their head portions 25 to be moved into frictional contact with the flange of the spacing member and thereby moving the said flange and the flange 17 securely into gripping contact with each other.

The band 4 has secured thereto suitable attaching brackets 45 on which are mounted pivoted handles 46. The jar is preferably graduated vertically or formed with a suitable scale so that one can readily ascertain the exact quantity of the contents contained in the jar. The bottom of the jar is curved directly into the vertical walls of the jar so as to facilitate cleaning the bottom and to prevent the accumulation of foreign matter therein and particularly at the point of connection of the bottom with the vertical walls.

I claim:—

1. A can, a receptacle therein, a removable bottom for the can, a spacer carried by the bottom and extending thereabove and embracing the receptacle, and provided with a recessed flange, a flange carried by the can and located above the recessed flange, a bracket carried by the can and extending through the flange of the can, and a movable clamping device carried by the bracket and disposed below the flange of the spacer and having engagement therewith to hold the same against the second flange.

2. A can including a bottom section and an upper section, a spacer carried by the bottom section and extending above the same, an outwardly extending flange at the upper end of the spacer, a flange on the upper section and disposed above the flange of the spacer, a fastening device on the upper section and having detachable engagement with the flange of the spacer and operating to hold the same and the flange of the upper section in clamping engagement, and means on the flange of the spacer to permit the fastening device to be moved through the said flange on disengagement of the fastening device therewith.

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

LEONARD R. STEEL.

Witnesses:

GUSTAVE SCHARMANN,
ROBT. J. STEEL.