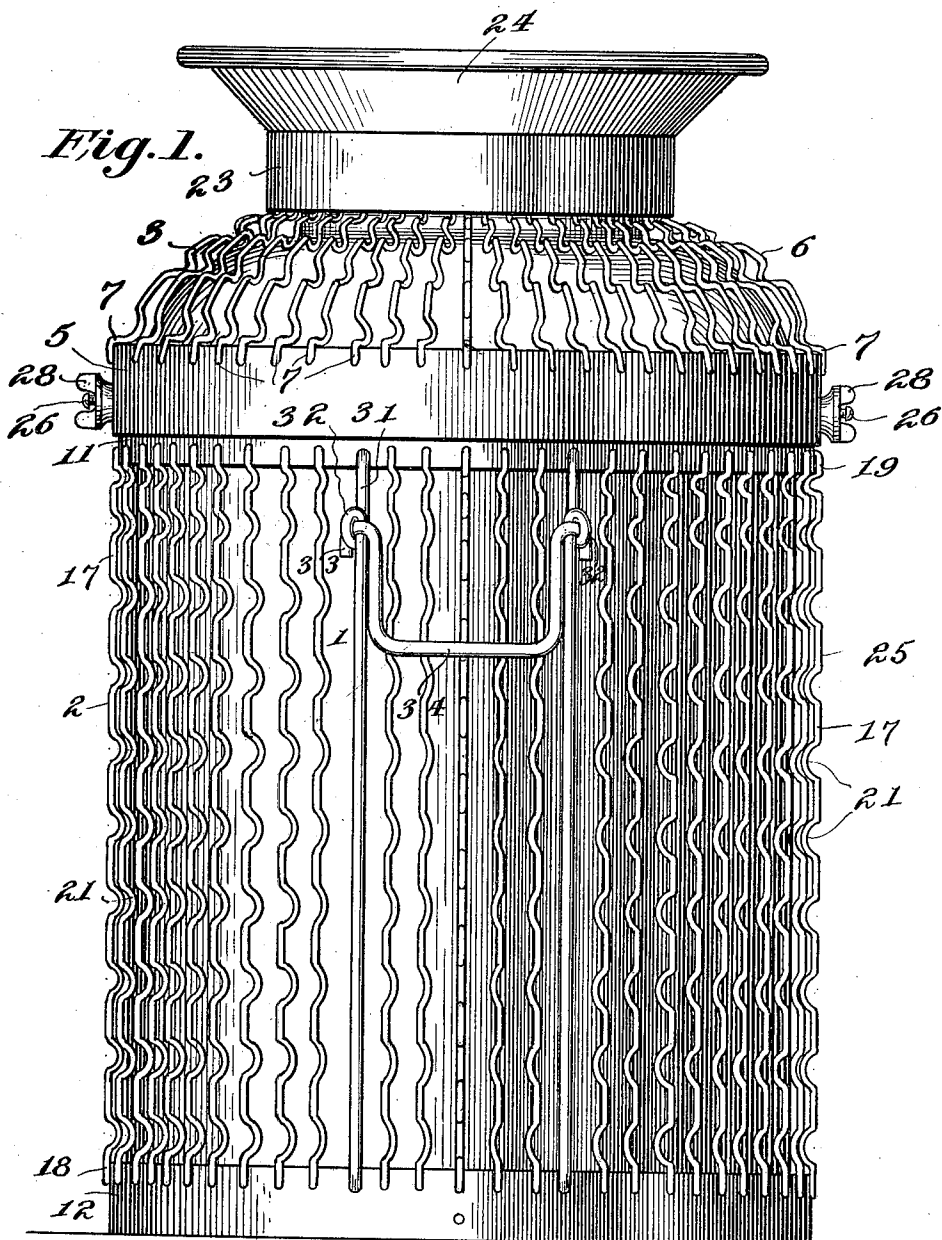


L. R. STEEL.
MILK CAN.
APPLICATION FILED MAR. 14, 1911.

1,013,693.

Patented Jan. 2, 1912.

2 SHEETS-SHEET 1.



Witnesses
H. Lybrand
James H. Kael

Fig. 3.

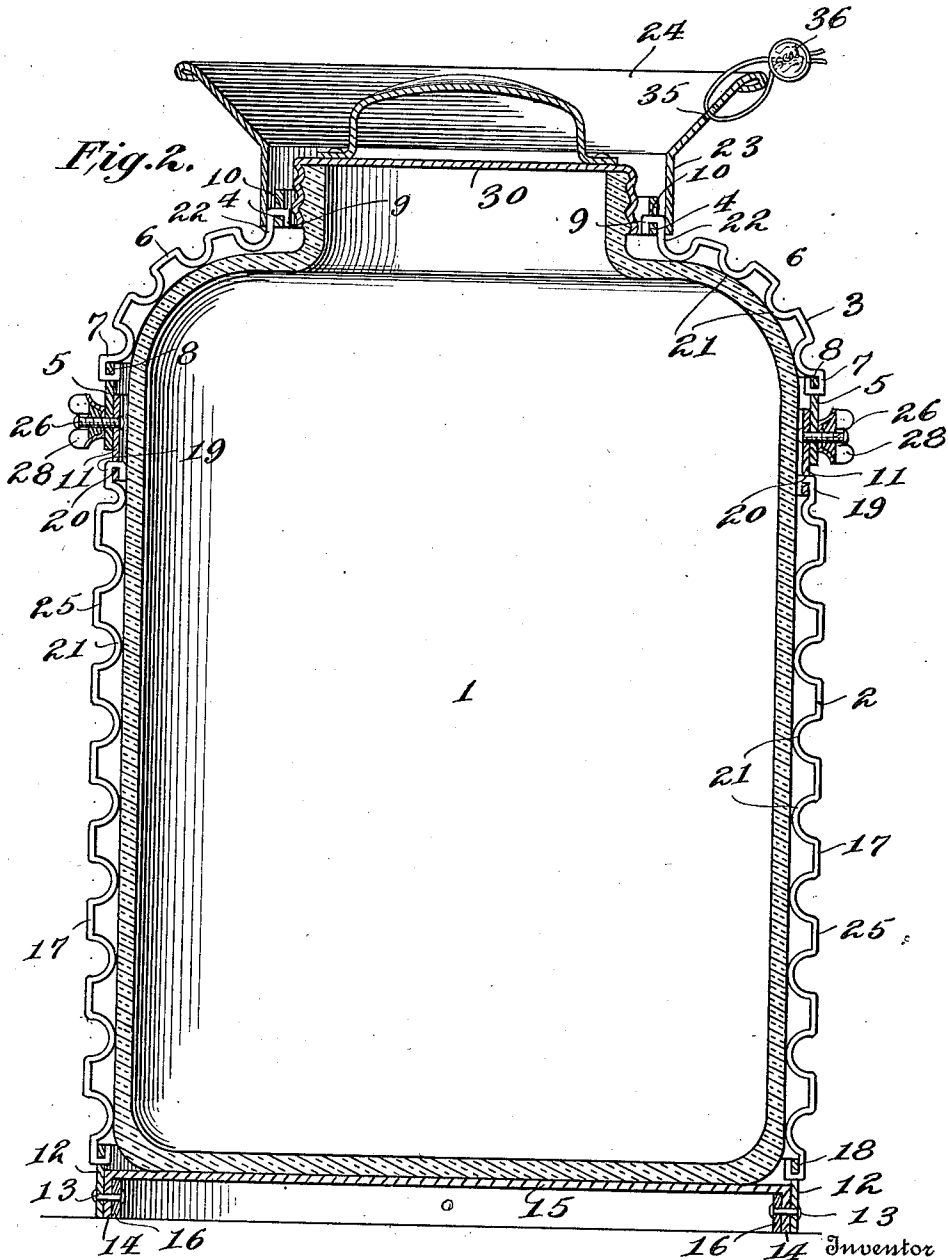
Leonard R. Steel
Victor J. Evans
Inventor
Attorney

L. R. STEEL.
MILK CAN.
APPLICATION FILED MAR. 14, 1911.

1,013,693.

Patented Jan. 2, 1912.

2 SHEETS—SHEET 2.



Leonard R. Steel

Witnesses
H. H. Lybrand
James D. Steel

By Victor J. Evans
Attorney

UNITED STATES PATENT OFFICE.

LEONARD R. STEEL, OF CLEVELAND, OHIO.

MILK-CAN.

1,013,693.

Specification of Letters Patent.

Patented Jan. 2, 1912.

Application filed March 14, 1911. Serial No. 614,343.

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 an inner jar or liner of glass and an outer metal protecting jacket of wire embodying separable sections which when connected with each other operate to securely hold the jar or liner against sliding movement.

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 side view of the can. Fig. 2 is a vertical section there-through. Fig. 3 is a horizontal section on line 3—3 of Fig. 2.

The can comprises a glass liner or jar 1 and an outer metal jacket. The outer metal jacket embodies a lower section 2 and an upper section 3. The upper section includes superimposed bands 4 and 5, each being of a different diameter. The upper section has its bands 4 and 5 connected with each other by a circular series of wires 6 which are radially disposed with respect to the axis of the jar 1, being curved downwardly and outwardly from the band 4 to the band 5, the lower end of the wires having hooks 7 formed thereon which extend through perforations 8 in the band 5. The upper ends of the wires are provided with hooked portions 9 which extend through perforations 10 in the upper bands 4. The lower section includes superimposed bands 11 and 12. The lower band is secured at 13 to the flange 14 of the bottom 15 and to an inner reinforcing band 16. The bands 11 and 12 are connected with vertical wires 17, each being provided with a hooked lower end 18 engaged in a suitable perforation in the band 12. The upper ends of these wires are formed with similar hooks 19 which are engaged in suitable perforations 20 in the band 11. The hooks 19 extend through the band and then downwardly against the inside thereof to bear against the walls of the liner so as to hold the band 11 spaced from the walls of the liner. By bending the ends 19 as described and engaging them with the band 11 it is greatly reinforced and thereby held against bending readily in the direc-

tion of the walls of the liner or becoming indented or otherwise injured in transit. The wires included in the upper and lower sections of the metal jacket are fluted or corrugated so that each has a series of inwardly extending curved elastic spacers 21. The spacers 21 on the wires of the upper section bear against the top portion of the jar 1 sufficiently to hold the bottom of the jar against the bottom 15. The wires forming the upper section 3 of the jacket terminate at their upper ends substantially in vertical portions 22. These portions are secured to the flange 23 of a pouring mouth or neck 24. The outer walls of the neck or mouth being flared outwardly from the flange 23. The wires included in the upper and lower sections of the metal jacket are arranged very close together so as to form a practical protector for the inner liner or jar, the spacers 21 operating to hold the jar spaced from the portions 25 of the wires.

The upper band 11 of the lower section 2 is provided with horizontally disposed threaded stems 26 which are adapted to be extended into the bayonet slots 27 in the band 5 of the top section. The stems 26 have threadedly fitted thereto clamping nuts 28 which are designed to bear against the exterior surface of the band 5 so as to hold the band securely confined against the band 11 and to hold the stems 26 in the horizontal branches 29 of the bayonet slots. From this construction it will be understood that the upper and lower sections of the metal jacket can be securely connected with each other or they may be readily disconnected when it is desired to remove the glass liner for any purpose whatsoever. The neck of the jar is covered by a removable closure 30.

The lower section 2 of the metal jacket is provided with a plurality of pairs of wire rods 31, the lower ends being bent into engagement with the band 12. The upper ends are bent into engagement with the band 11 and adjacent to the band 11 the rods 31 are formed to provide eyes 32. The rods by being arranged in pairs, as described, at opposite sides of the can are adapted to receive the hooked ends 33 of bails or handles 34. The flared mouth of the neck 24 is perforated, as at 35, for the reception of a suitable seal 36.

I claim:—

A can including an outer jacket and an

inner liner, the said jacket including sections each embodying superimposed bands, the lower band of one of the sections being arranged in embracing relation with respect to one of the bands of the other section, wire-connecting members connecting the superimposed bands of each section with each other, the wires of the lower section having hooked upper extremities extending through the upper band of the lower section and bent against the inner side of the band and bearing exteriorly upon the liner to hold the upper band of the lower section spaced from the liner, the said connecting members having inwardly curved spaced portions bearing against the walls of the liner, a cover for the liner, and a pouring mouth secured to the upper section of the jacket and extending outwardly beyond the cover end of the liner.

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

LEONARD R. STEEL.

Witnesses:
JOHN D. LLOYD,
ROBT. J. STEEL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
