L. R. STEEL.

VACUUM INSULATED OYSTER CAN.

APPLICATION FILED JULY 20, 1910.

1,067,070.

Patented July 8, 1913.

2 SHEETS—SHEET 1.

Fig 4

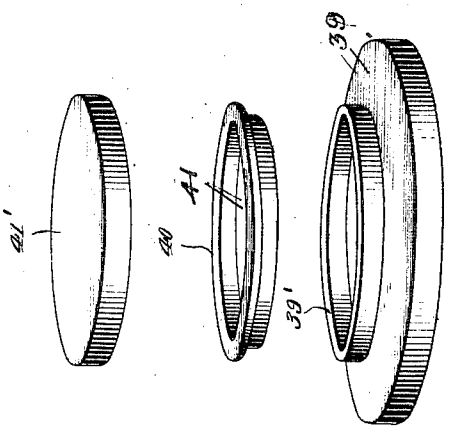
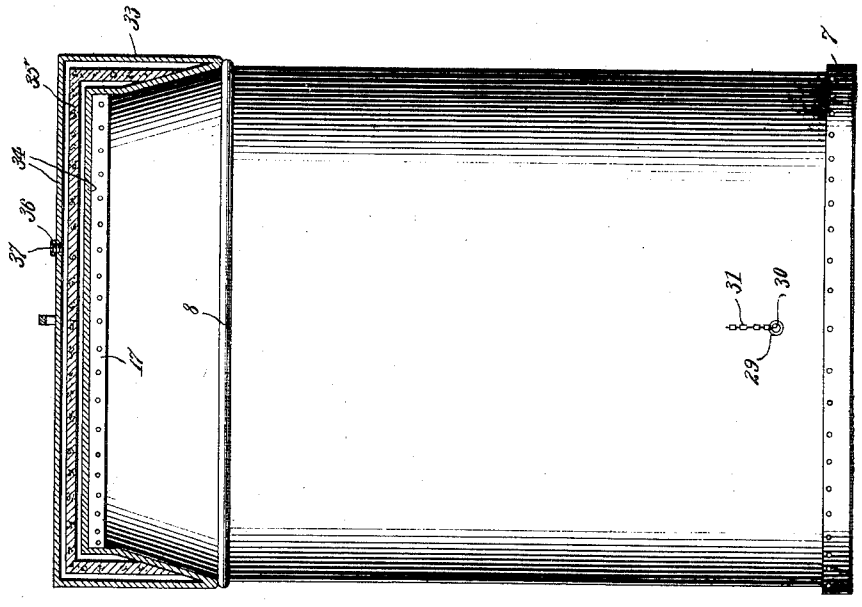


Fig 1



Witnesses

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2 SHEETS—SHEET 2.

FIG. 1

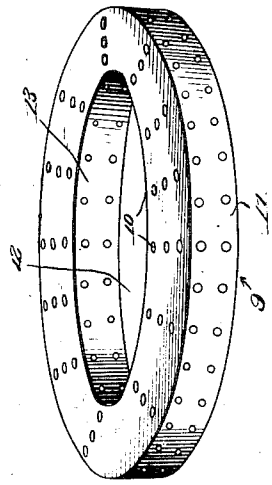
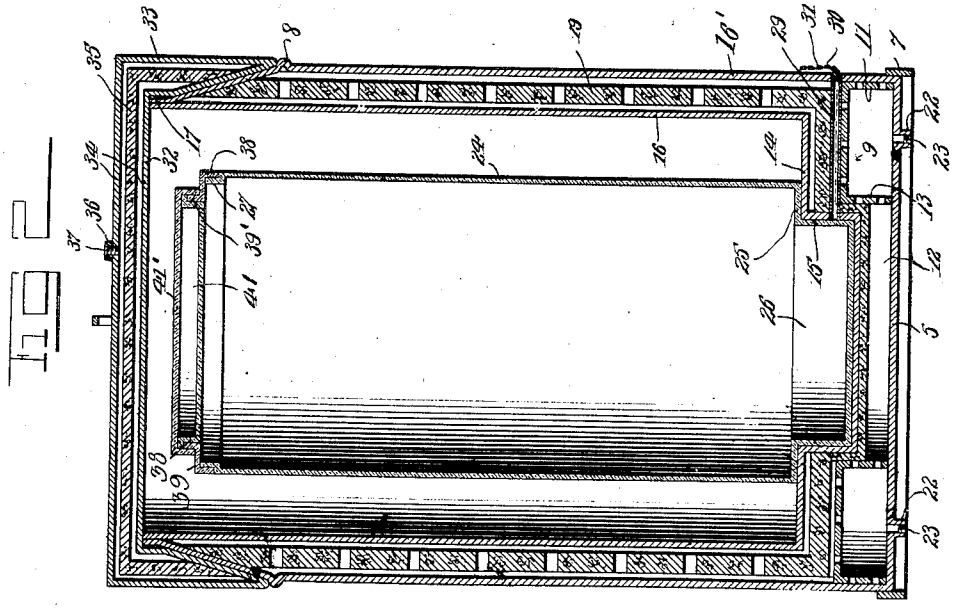


FIG. 2



Witnesses

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UNITED STATES PATENT OFFICE.

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VACUUM-INSULATED OYSTER-CAN.

1,067,070. Specification of Letters Patent. Patented July 8, 1913.

Application filed July 20, 1910. Serial No. 572,897.

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 Vacuum-Insulated Oyster-Cans, of which the following is a specification.

This invention relates to oyster cans.

One object of the invention is to provide a refrigerating can which will include an inner vessel and an outer vessel, and a cover fitted to the inner vessel and provided with a tray portion which is concealed by the cover and adapted to be viewed therethrough and to contain a sample of the contents of the inner vessel.

Another object of the invention is to construct the outer and inner vessels respectively so as to prevent the latter from moving laterally in the former.

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 elevation of the can showing the cover in section. Fig. 2 is a vertical section through the can. Fig. 3 is a perspective view of the support. Fig. 4 is a perspective view of the companion parts of the display tray.

The can comprises an outer vessel which includes the inner walls 16, the outer walls 16′ and the bottom members 5 and 14. The member 5 is connected, as shown, with the outer walls 16′. The bottom 14 is connected with the inner walls 16, and as illustrated, the said body is depressed to provide the depending centrally disposed portion 15. The lower reinforcing band 7 is secured to the walls 16′ and it extends below the plane of the bottom 5 to protect the latter in transit of the can. The walls 16′ are flared upwardly and inwardly and secured to the inner walls 16. Beneath the flared portion, the walls 16′ are stamped to provide an annular reinforcing bead 8 against which the lower edge of the cover 32 is adapted to engage, as shown in Fig. 2 of the drawings. The cover comprises the inner and outer spaced walls 34 and an intermediate reinforcing element 35 of non-heat conducting material. The flange 33 of the cover is flared interiorly to correspond with the flared portion of the walls 16′. A packing washer 17 embraces the upper end of the outer vessel and it is adapted to be embraced by the inner walls of the cover 32 so as to effect a perfect air tight connection between the cover and said outer vessel. The cover is provided with an opening 36, whereby air may be exhausted from the space between the walls of the cover. This opening may be closed by the plug 37.

A reinforcing element 19 of non-heat conducting material is interposed between the walls 16 and 16′ of the outer vessel. A perforated support 9 is interposed between the bottom 5 and the bottom of the material 19, and as shown, it is provided with the inner and outer supporting flanges 11 and 13. The construction just described is such that a chamber 12 is formed between the bottom 5 and the central depressed portion 15, communication between the chamber 12 and the space between the side walls 16 and 16′ being established by the perforations 10 in the support 9. The bottom 5 is provided with one or more openings 22 to permit air to be drawn from the space between the walls 16 and 16′ and the space 12. These openings may be sealed by the plugs 23.

The inner vessel 24 is provided on its bottom 25 with a centrally located depending reduced portion 26 which is adapted to be extended into the portion 15 of the outer vessel. The walls of the inner vessel 24 are spaced from the walls 16 of the outer vessel so as to form an intervening refrigerating chamber in which a refrigerant such as ice may be placed. A member 39 is fitted to the upper end of the inner vessel 24 and it is provided with an upwardly extending flange 39′. The upper end of the vessel 24 is preferably provided with a flange 27 which is adapted to be embraced by the flange 38 on the member 39. A display tray for containing a sample of the contents of the vessel 24, is shown at 41. This tray is adapted to fit within the member 39 and it is provided with an outwardly extending annular flange 40 which is adapted to rest on the flange 39′ hereinbefore described. A cover 41′ of transparent material is provided for the combined purposes of closing the vessel 24 and display tray. The cover 41′ carries the flange 38 which embraces the flange 40 on the display tray and the flange 39′ on the member 39. The cover 41′ is spaced from the cover of the outer vessel so that the cold air in the refrigerating cham-

ber between the inner and outer vessels will be permitted to circulate freely around and above the display tray.

A drain pipe 29 extends through the outer vessel and it opens into the space defined by the portion 15 of the inner wall 16. This drain pipe may be closed by a plug 30, the latter being preferably carried by a chain 31 which is secured exteriorly to the outer vessel.

I claim:—

A refrigerator comprising an outer vessel having double walls, a perforated support located between the walls and the bottoms thereof and including spaced inner and outer flanges, a reinforcing element interposed between the walls of said vessel and having a central portion at its bottom extended into the inner flange of said support and directly against the bottom of said inner wall, the bottom of said inner wall being also extended into the inner flange of the support, and a receptacle removably mounted in the vessel and having its bottom provided with a reduced portion extending into the central depending portion of the inner wall.

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

LEONARD R. STEEL.

Witnesses:
MABEL LAWRENCE,
JOHN D. LLOYD.