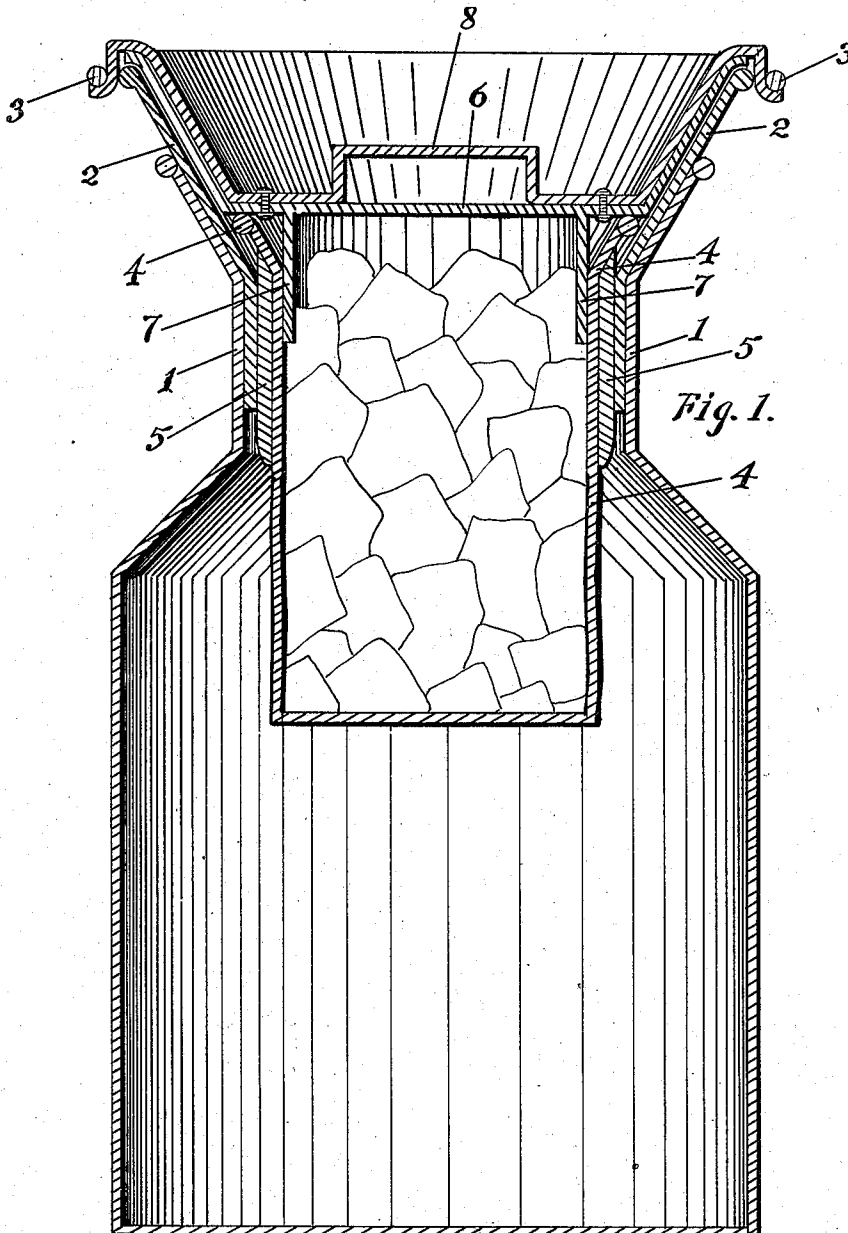


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CAN COVER.
APPLICATION FILED JUNE 14, 1909.

933,302.

Patented Sept. 7, 1909.
3 SHEETS—SHEET 1.



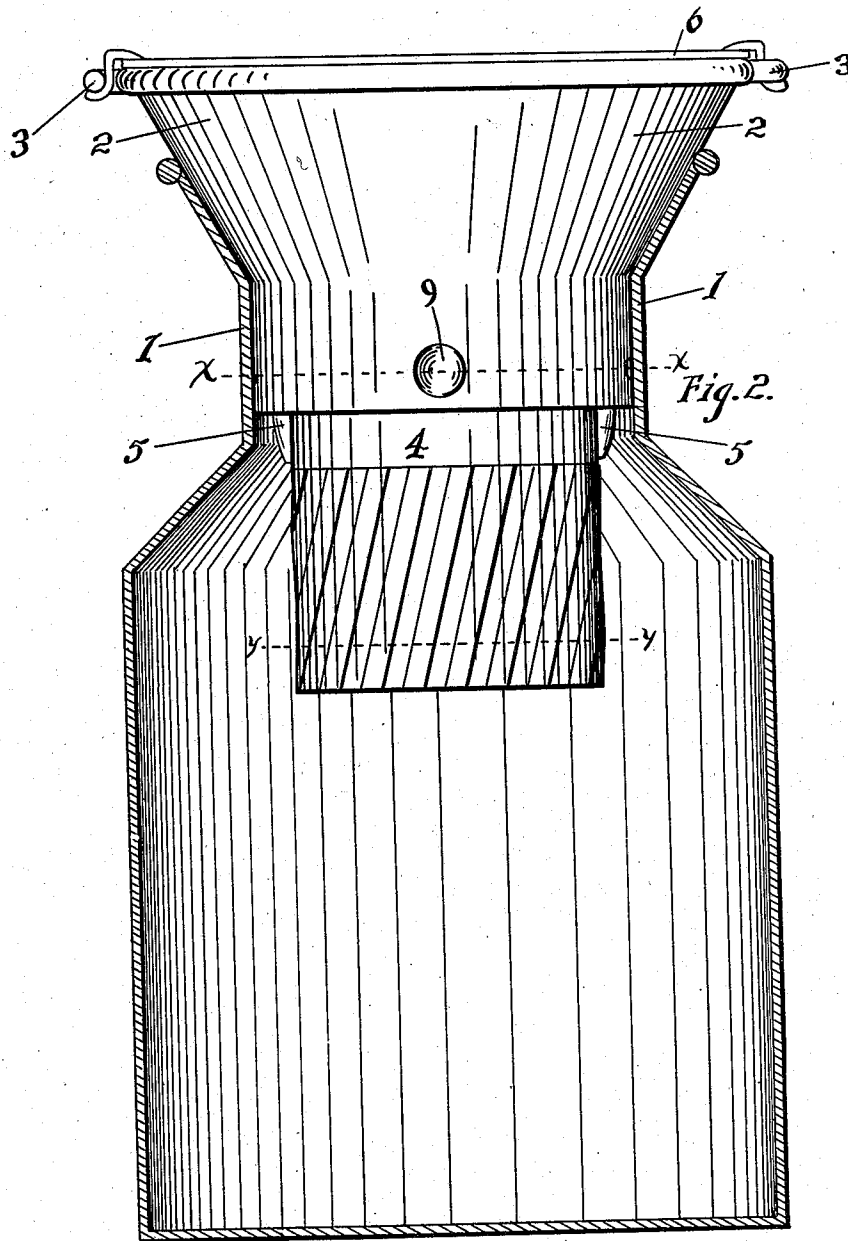
Witnesses
E. V. Simpson
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Byron J. Hartwell
Inventor
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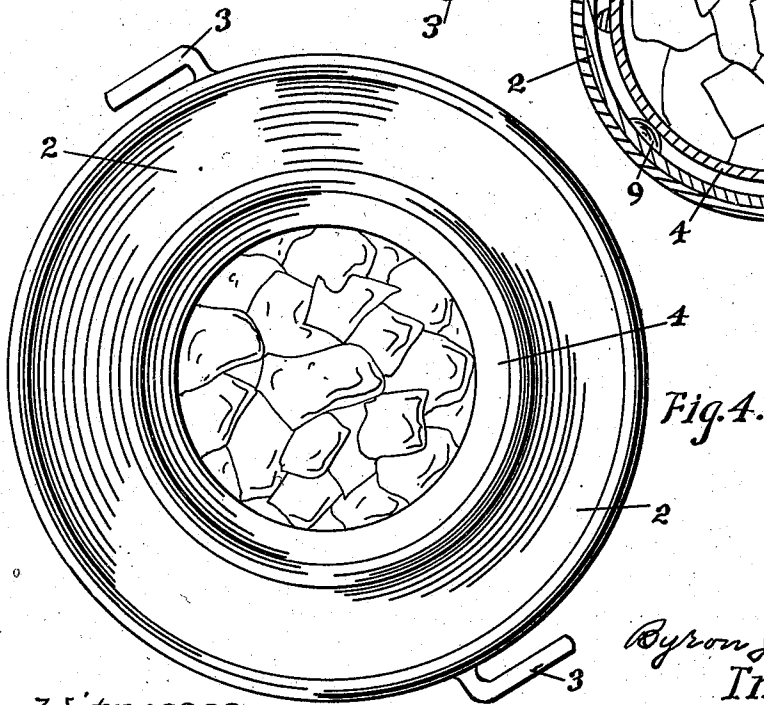
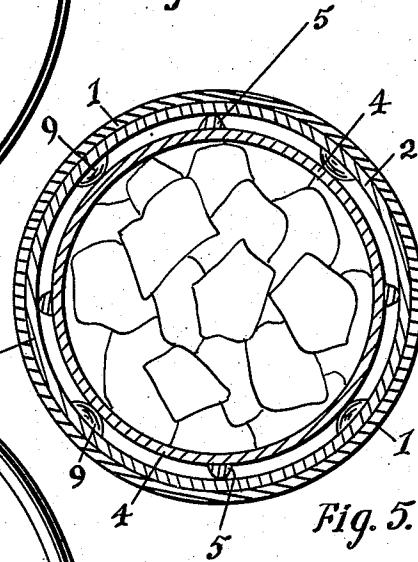
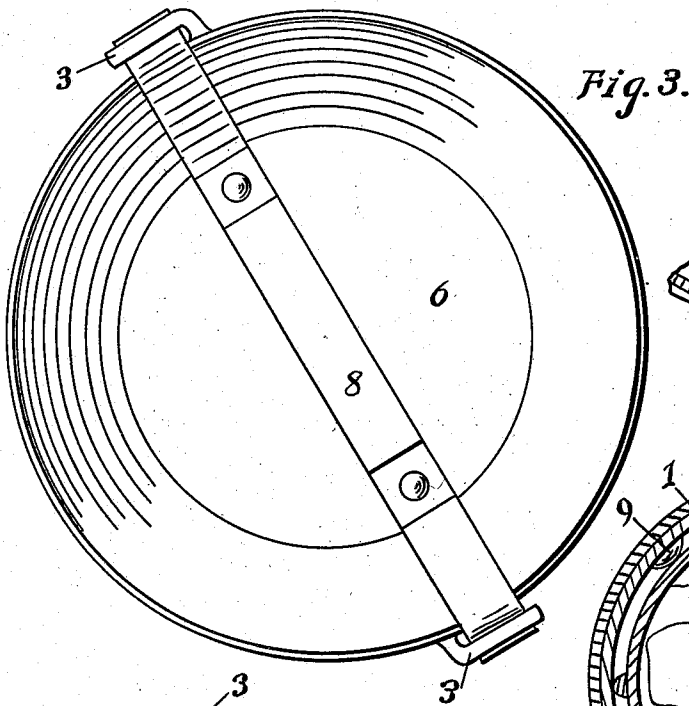
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3 SHEETS—SHEET 3.

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UNITED STATES PATENT OFFICE.

BYRON J. HARTWELL, OF SALT LAKE CITY, UTAH.

CAN-COVER.

933,302.

Specification of Letter's Patent.

Patented Sept. 7, 1909.

Application filed June 14, 1909. Serial No. 502,162.

To all whom it may concern:

Be it known that I, BYRON J. HARTWELL, a citizen of the United States, residing at Salt Lake City, in the county of Salt Lake and State of Utah, have invented certain new and useful Improvements in Can-Covers, of which the following is a specification.

The purpose of my invention is to provide a cover for milk cans and the like, which will close said cans, will furnish an ice receptacle within said cans, will allow air to enter said cans, and is easily cleaned. These objects I attain by the device illustrated in the accompanying drawings, in which similar numerals of reference indicate like parts throughout the several figures, and as described in the following specification.

Figure 1, is a vertical section. Fig. 2, is a vertical section of the can, and an elevation of my device. Fig. 3, is a plan of same. Fig. 4, is a plan, with cover to ice receptacle removed. Fig. 5, is a horizontal section on line *xx* of Fig. 2. Fig. 6, is a section of a segment of the ice receptacle on line *yy*, Fig. 2.

Within the neck 1, of a can is fitted the member 2, which has a portion thereof cylindrical in form, which portion fits closely within the neck 1 of the can, the other portion being formed as a funnel. On the periphery of said member 2 are provided two lugs, 3, a portion of each lug being bent to engage with the handle of the device. Within the member 2 is placed the cooling reservoir or ice receptacle, 4, cylindrical in general shape and outwardly flanged at the top, said flanged portion having the same angle as the funnel shaped part of member 2. The cylindrical portion of said cooling reservoir 4 has a bottom therefor, and is diametrically less than the cylindrical portion of said member 2, and is spaced from the cylindrical shaped part of member 2 by the vertical lugs 5, which are secured on the outer wall of said cooling reservoir to prevent displacement of said reservoir in said member 2, and to permit air to enter the can, or the same effect may be secured by indentation 9 on the cylindrically shaped part of member 2, thus forming the spacing lugs on member 2 instead of on the outer wall of the ice receptacle 4. The lower portion of said cooling reservoir 4 is spirally corrugated, the purpose being to provide more cooling surface on that part of said reservoir, and also that the liquid contents

of the can will follow said corrugations to the right, as the corrugations are directed, instead of vertical, as would be the tendency when the contents of the can were moved from side to side. The cooling reservoir 4, has a cover 6 therefor, with a depending flange, 7, adapted to be inserted within the upper part of the cylindrical portion of said cooling reservoir 4; the outer edge of said cover 6 is bent upward to conform with the flange portion of member 2 and reservoir 4, and is fitted with a flange that fits closely over the peripheric rim of said member 2 to prevent dust or deleterious matter from entering the can. A handle 8, is secured to the cover 6, the end portions of said handle being bent or formed to engage the lugs 3 and to lock the device together when the cover is turned to make said engagement.

The purpose of the cylindrical portion of member 2 is to close said can, the lugs 5, or indentations 9, being spaced apart so that air may enter said can through the space between member 2 and the cooling reservoir 4. The purpose of the cooling reservoir 4 made to receive crushed ice is obvious, being to control the temperature thereby of the contents of said can. The cover 6 as formed in my device prevents all dust or matter that would be injurious to the contents of said can from entering the can and injuring the contents. The corrugations as provided on the lower portion of said cooling reservoir as hereinafter disclosed, allow greater cooling surface to contact with the contents of the can than would be the case without said corrugations, and also in the handling of said can when filled with milk, or other liquid, for shipment or by wagon. The corrugations will prevent the splashing of said contents to the extent that a smooth, cylindrical shaped form of said reservoir would allow.

Having thus described my invention, I desire to secure by Letters Patent, and claim:

1. In a cover for milk cans and the like, the combination with said can, of a member 2 whose upper portion is funnel shaped, lugs secured on the periphery thereof, an ice receptacle adapted to be fitted therein having a flanged upper portion a cylindrical medial portion and a spiral corrugated lower portion, a cover therefor with a depending flange, and with a flange formed to conform to the funnel shaped part of member 2, a handle secured to said cover whose ends are

bent to engage with the lugs of member 2, as and for the purposes described.

2. In a cover for milk cans and the like, the combination with said can of a member 5 whose upper portion is formed as a funnel, an ice receptacle adapted to fit therein, spaced from said member by vertical lugs, a cover for said ice receptacle having a depending flange and whose peripheric edge 10 is bent upward to conform to the funnel shaped portion of said member 2, a handle for said device secured to said cover, as and for the purposes described.

3. In a cover for milk cans and the like, 15 the combination of a member 2 with a cylindrical lower portion and a funnel shaped upper portion, an ice receptacle whose upper portion conforms to the angle of the upper portion of said member 2, vertical lugs secured to the cylindrical part of said ice receptacle, spiral corrugations on the lower 20 portion of said ice receptacle, an adjustable seal for said ice receptacle, a flange on said seal adapted to fit closely within said receptacle, a flange on said seal, conforming to the 25 funnel shaped part of said member 2, which flange extends to the periphery of said mem-

ber 2, a handle secured to said seal, and means for locking the device together, as and for the purposes described. 30

4. In a cover for milk cans and the like, the combination with said can of a member 2 whose upper portion is funnel shaped, and whose lower portion is an open cylinder, interior extending indentations in said cylinder portion, lugs secured on the periphery of 35 said member, an ice receptacle adapted to be fitted in said member and of less diameter than the cylinder part thereof and having a flanged upper portion, a cylindrical medial 40 portion, and a spiral corrugated lower portion, a cover with a depending flange and with another flange formed to conform to the funnel shaped part of member 2, a handle secured to said cover whose ends are 45 bent to engage with the lugs of member 2, as and for the purposes described.

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

BYRON J. HARTWELL.

Witnesses:

P. R. PETERSON,
W. E. WOOD.