No. 894,998. PATENTED AUG. 4, 1908.

H. N. BACKUS.

HINGE FOR SHIPPING CANS.

APPLICATION FILED SEPT. 5, 1905.

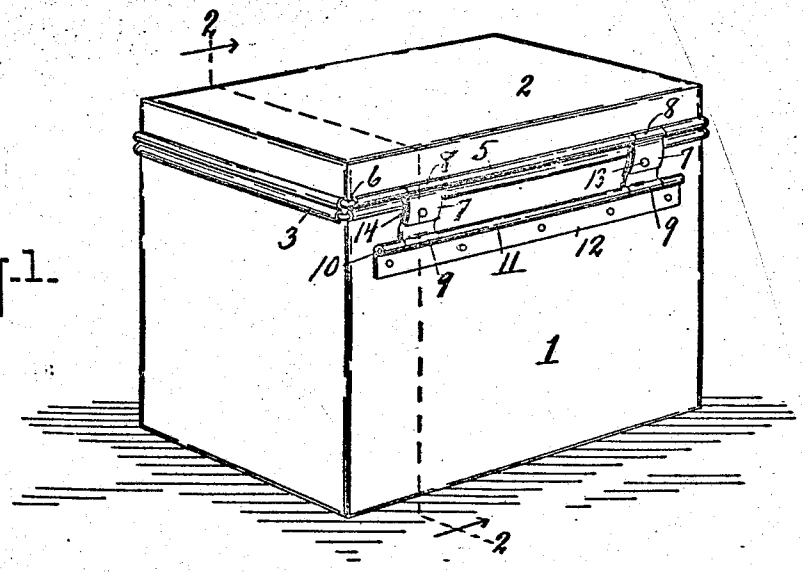


Fig. 1.

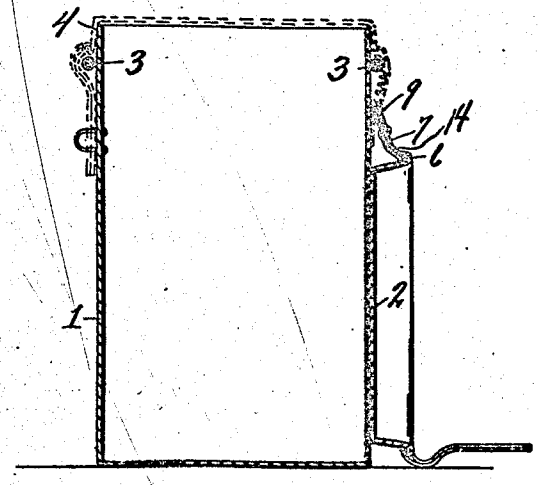


Fig. 2.

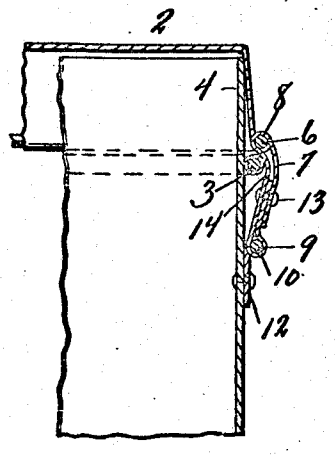


Fig. 3.

Witnesses.
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UNITED STATES PATENT OFFICE.

HENRY N. BACKUS, OF DETROIT, MICHIGAN.

HINGE FOR SHIPPING-CANS.

No. 894,998. Specification of Letters Patent. Patented Aug. 4, 1908.

Application filed September 5, 1905. Serial No. 276,947.

To all whom it may concern:

Be it known that I, HENRY N. BACKUS, a citizen of the United States, residing at Detroit, in the county of Wayne, State of Michigan, have invented certain new and useful Improvements in Hinges for Shipping-Cans; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

This invention relates to a hinge for uniting the cover to the body of a can or vessel for use in the transportation of oysters in bulk in refrigerator packages and consists in the combination and association of parts hereinafter more fully set forth and claimed.

The object of the invention is to provide a simple and strong hinge for connecting the cover to the body of the can or receptacle, the structure of the hinge being such as to enable the cover to fall to a vertical position at the back of the can or receptacle when opened and there being such an arrangement as to obviate all strain upon the hinges and prevent their being torn from the can.

The above object is attained by the structure illustrated in the accompanying drawings in which:—

Figure 1 is a perspective view of a can provided with my improved hinge the solid lines showing the cover in the open position. Fig. 2 is a transverse section as on line 2—2 of Fig. 1. Fig. 3 is an enlarged fragmentary view, through one of the hinges, the cover and the upper portion of the can.

Referring to the characters of reference 1 indicates the body of the can which is preferably rectangular in shape and 2 indicates the cover adapted to fit onto the can.

Encircling the can near the top is a ledge 3 onto which the cover is adapted to fit when closed, the portion 4 of the can above said ledge lying within the cover, as clearly shown in Fig. 3. The margin of the cover is strengthened by rolling it as shown at 5, over a metal strand 6. At the back of the cover a portion of the rolled margin 5 is cut away to allow of the mounting of the hinges upon the strand 6. Each of the hinges 7 consists of a strap of metal folded upon itself forming at one end an eye 8 through which passes the metal strand 6 in the rolled margin of the cover, and forming at the other end an eye 9 through which passes the strand 10 which extends longitudinally of the rolled flange 11 at the upper margin of the plate 12, secured to the back of the can. The ends of the metal strap from which the hinge is formed overlap and are secured by the transverse rivet 13 which is passed through said ends and the body of the hinge between the pintles 6 and 10. In order to allow the hinges to pass the rolled flange 3 on the body of the can, said hinges are bent outwardly as shown at 14.

To allow the eyes 9 of the hinges to receive the strand or bolt 10 passing through the rolled flange 11 of the plate 12, a portion of said flange is cut away as clearly shown in Fig. 1.

By means of this improved hinge the cover when opened is allowed to fall to a vertical position, as shown in Fig. 2 without straining the hinges in any respect. The tendency of a cover of the character herein shown, when opened is to drop rearwardly and if said cover were hinged to the body of the can in the ordinary manner the hinges would be torn off by the strain which would be brought thereon.

The use of the hinge herein shown obviates the liability of its being torn from the body of the can and enables the cover to be thrown backwardly to any desired position when opened, yet directing the cover properly into place upon the top of the can when closed.

Having thus fully set forth my invention, what I claim as new and desire to secure by Letters Patent is:—

1. In a hinge structure, the combination of the cover and body of the can, the top having a rolled margin and a metal strand passing through the roll of said margin, the body of the can having a plate secured thereto whose margin is rolled and a metal strand passing through the rolled margin of said plate, hinge members comprising metal straps folded upon themselves to form eyes in their opposite ends, the eyes at one end of said hinge members receiving the metal strand in the margin of the cover, and the eyes at the opposite ends of said members receiving the metal strand in the rolled margin of the plate secured to the body of the can.

2. The combination with a can body and a cover, of the hinge members comprising

straps of metal folded upon themselves to form eyes in their opposite ends, the terminals of said straps overlapping between said eyes, a rivet passing through the overlapped ends and body of the strap, a pintle in the margin of the cover passing through and common to the eyes at the upper ends of the hinge members and a pintle secured to the body of the can passing through and common to the eyes at the other ends of said members.

In testimony whereof, I sign this specification in the presence of two witnesses.

HENRY N. BACKUS.

Witnesses:
BURR LOBDELL,
E. S. WHEELER.