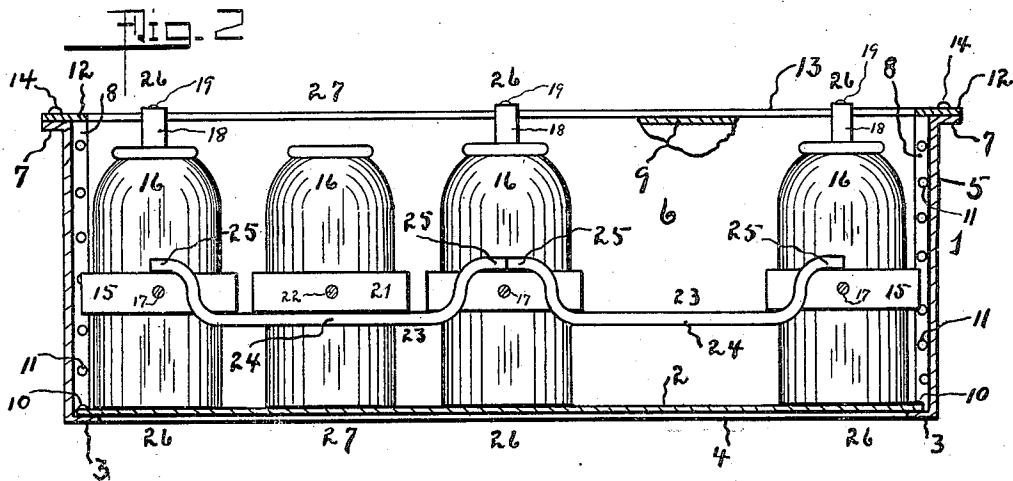
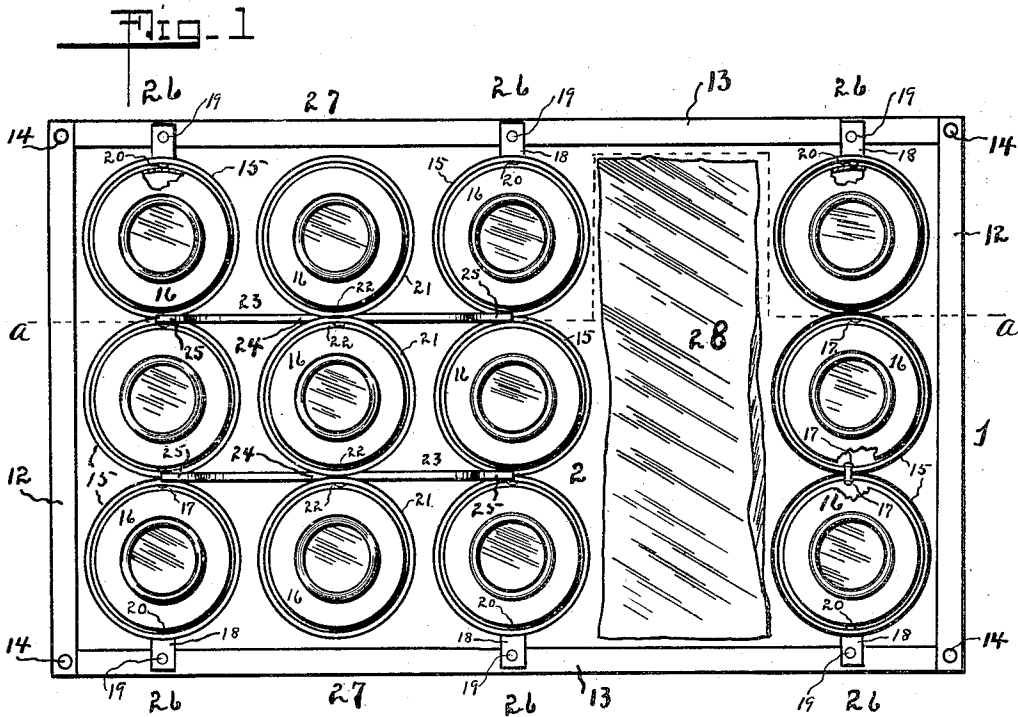


A. N. EATON.
MILK CRATING DEVICE.
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934,898.

Patented Sept. 21, 1909.



Witnesses

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UNITED STATES PATENT OFFICE.

ALBERT N. EATON, OF OMAHA, NEBRASKA.

MILK-CRATING DEVICE.

934,898.

Specification of Letters Patent. Patented Sept. 21, 1909.

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To all whom it may concern:

Be it known that I, ALBERT N. EATON, a citizen of the United States, residing at Omaha, in the county of Douglas and State of Nebraska, have invented certain new and useful Improvements in Milk-Crating Devices, of which the following is a specification.

This invention relates to an improved milk-crating device, and has for its object to provide a container or receptacle for the deposit and carriage therein of milk cans, being an article for the use of dairymen or others engaged in handling milk.

The invention has reference to a structure comprising as few parts as possible for reliable segregation of the cans, and includes certain novel features fully explained herein and in the appended claims, and illustrated in the drawing, wherein,—

Figure 1 is a plan view of a milk-crating device embodying my invention. Fig. 2 is a side view sectioned on line *a a* of Fig. 1, milk cans being added to the figures.

Referring to the drawing for a more particular description numeral 1 indicates a receptacle, preferably rectangular in form, which may be economically constructed of galvanized metal sheets, comprising a bottom plate 2 seated upon flanges 3 and 4 of the respective end and side plates 5 and 6. Each end plate 5, in addition to the inturned flange 3 at its bottom, is provided with the outwardly bent flange 7 at its upper edge and with end flanges 8. Each side plate 6 is provided, in addition to the inwardly projecting bottom flange 4, with the outwardly projecting upper longitudinal flange 9, and after flanges 3 and 8 of end-plates 5 have been secured respectively to bottom plate 2 and sides 6, preferably by use of rivets indicated at 10 and 11, reinforcing bars or rails 12 and 13 may be seated upon the respective flanges 7 and 9, and may be secured thereon by rivets 14; and preferably the bottom and end seams are soldered to provide a receptacle for the purposes hereinafter mentioned.

I provide holders, bands or loops 15 each of a diameter somewhat greater than cans 16 which they are adapted to encircle. The loops are arranged side by side in alinement to provide rigid crate-sections 26, said loops being secured together by rivets 17. Crate sections 26 are disposed crosswise of the receptacle and sustained substantially midway

between the top and bottom of said receptacle by means of hangers 18 having their upper ends seated upon side rails 13 and secured thereto by rivets 19 their lower ends being secured to the ends of sections 26 by rivets 20, whereby these sections are secured independently of each other, rigidly to the side walls. Sections 26 are preferably located at the ends and middle of the receptacle, and therefore they operate as braces to sustain the side walls; and on this account a lighter and less expensive material for the receptacle walls may be employed; and the receptacle thus described may be conveniently handled, the rails and upper flanges being used as handles. Sections 26 are mounted a sufficient distance apart so that other sections of holders may be disposed therebetween as, for instance, holders 21 secured together by rivets 22 to provide sections 27. It often happens that ice or other articles or commodities are to be carried in the receptacle and it is therefore convenient to have the alternate section-spaces vacated between the rigidly secured rows of holders, and therefore the alternate crate sections 27 are not secured to the sides of the receptacle, but may be removed therefrom.

To provide a support for the removable crate section 27, yokes 23 are employed. The annular holding-bands for this crate section are indicated by numeral 21. The longitudinal body 24 of the yoke is disposed below the plane of said bands 21, as clearly shown in Fig. 2, arms 25 of the yokes being supported upon the holding-bands of the stationary crate sections, adjacent rivets 17. Yokes 23 may be constructed of galvanized iron or of any light weight material since no strains are sustained by them, except to support the weight of holding-bands 21.

The construction provides a very useful article for the purposes described; the receptacle may have its containing space occupied by the crate-sections 26 and 27, or as described, the alternate crate-sections may be removed and ice 28, or the like, may occupy the space between the rigidly mounted rows of holders, sections 27 and the yokes being removed for this purpose.

Having fully described my invention, what I claim is,

1. A device of the class described, comprising, in combination with a rectangularly formed receptacle having upright containing

walls with hangers arranged in pairs and secured at spaced intervals upon its sides; stationary crate sections; a removable crate section; each of said crate sections comprising annular holding-bands secured together side-by-side; each of said stationary crate sections extending between and having their ends secured upon one of said pairs of hangers; said removable crate section disposed intermediate and supported by said stationary crate sections.

2. A device for the purposes described, comprising, in combination with a rectangular receptacle having upright walls, stationary crate sections disposed substantially in transverse alinement intermediate the top and bottom of and mounted upon the side walls of the receptacle; supporting yokes disposed longitudinally of the receptacle and having their ends removably mounted upon

said stationary crate sections; a removable crate section disposed intermediate the stationary crate sections and seated upon said yokes.

3. In combination, a receptacle having crate sections mounted stationary therein, a removable crate section, yokes disposed transversely of and having their ends removably mounted upon the stationary crate sections, said removable crate section disposed upon said yokes intermediate and substantially in horizontal alinement with said stationary crate sections.

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

ALBERT N. EATON.

Witnesses:

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