No. 793,119. PATENTED JUNE 27, 1905.

O. ZIEGENGEIST.

MILKMAN'S BOTTLE CARRIER.

APPLICATION FILED FEB. 27, 1905.

2 SHEETS—SHEET 1.

FIG. 1.

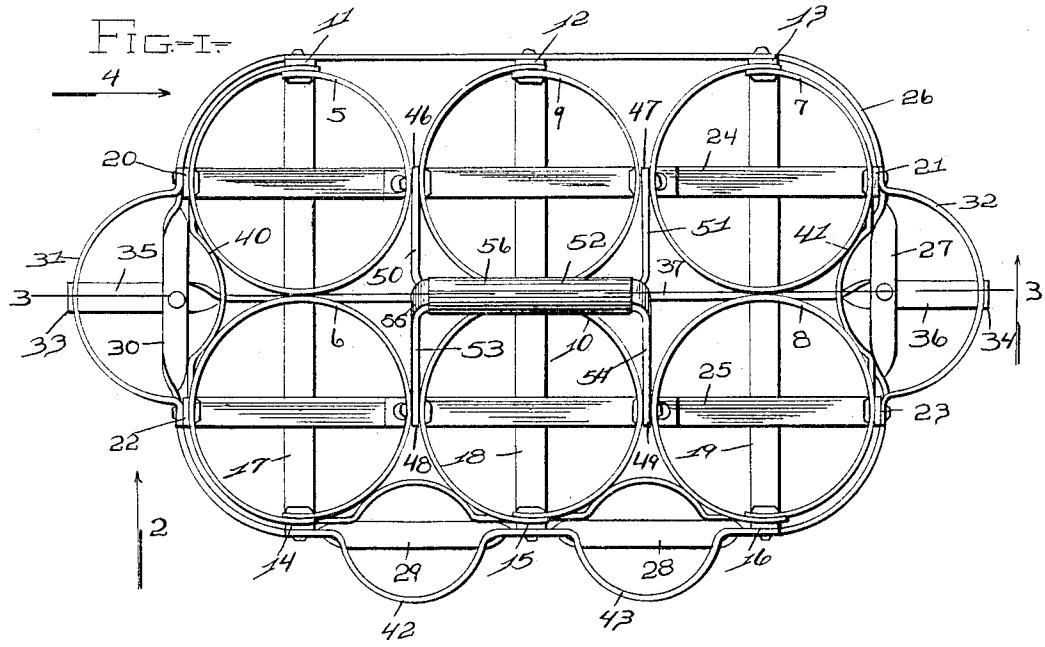
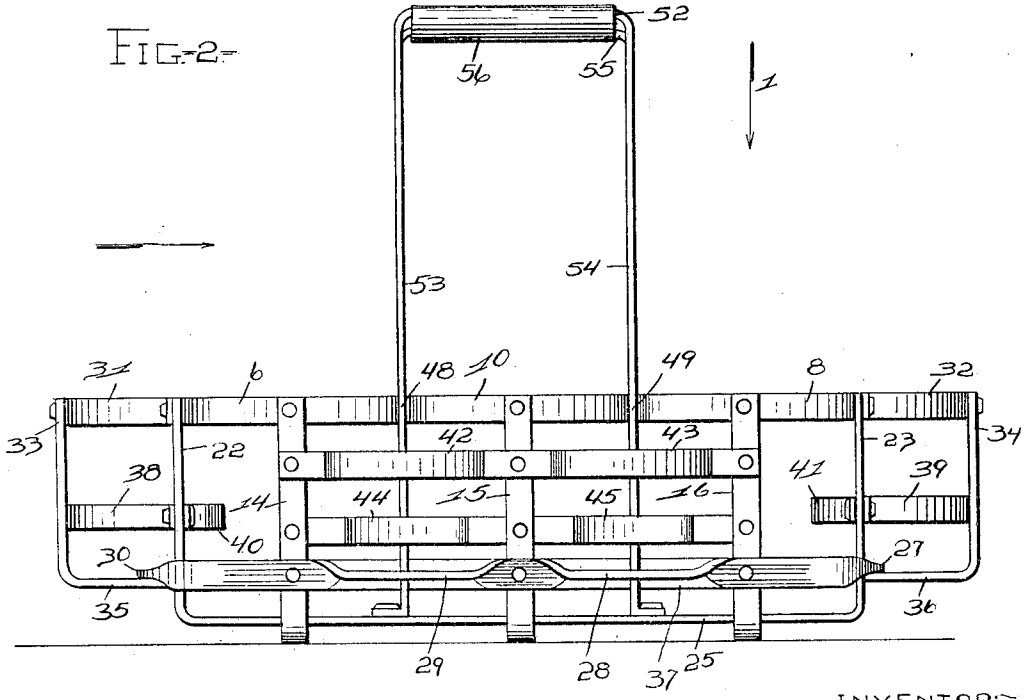


FIG. 2.



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2 SHEETS—SHEET 2.

FIG-3-

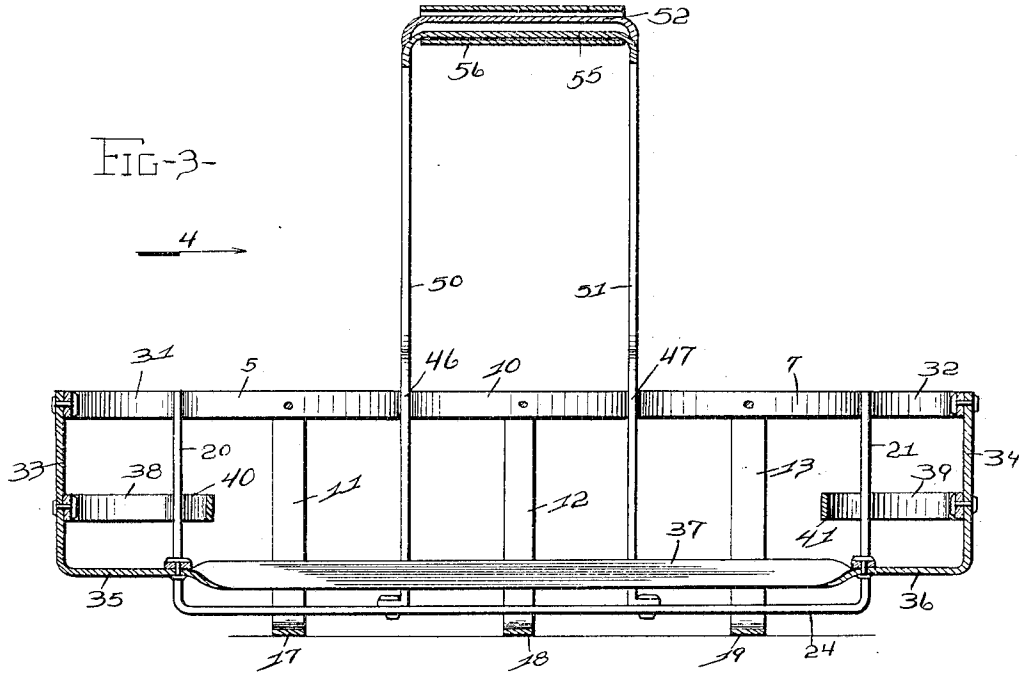
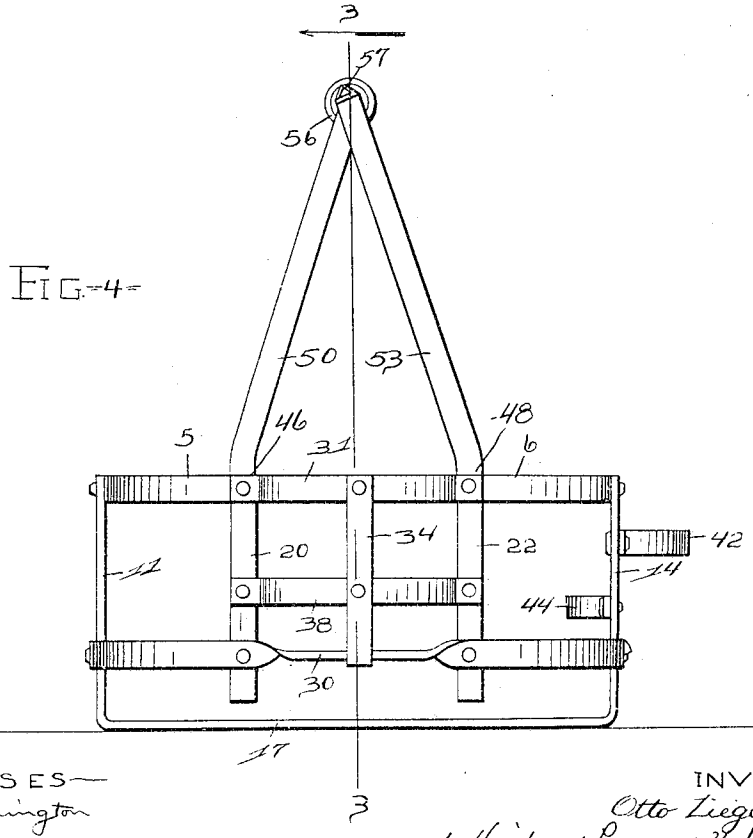


FIG-4-



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UNITED STATES PATENT OFFICE.

OTTO ZIEGENGEIST, OF ST. LOUIS, MISSOURI.

MILKMAN'S BOTTLE-CARRIER.

SPECIFICATION forming part of Letters Patent No. 793,119, dated June 27, 1905.

Application filed February 27, 1905. Serial No. 247,638.

To all whom it may concern:

Be it known that I, OTTO ZIEGENGEIST, a citizen of the United States, and a resident of St. Louis, Missouri, have invented certain new and useful Improvements in Milkmen's Bottle-Carriers, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in milkmen's bottle-carriers; and it consists of the novel features herein shown, described, and claimed.

In the drawings, Figure 1 is a top plan view of my improved milkman's bottle-carrier as seen looking in the direction indicated by the arrow 1 in Fig. 2. Fig. 2 is a side elevation as seen looking in the direction indicated by the arrow 2 in Fig. 1. Fig. 3 is a vertical longitudinal section on the lines 3 3 of Figs. 1 and 4 and looking in the direction indicated by the arrows, said section being also on a plane parallel with Fig. 2. Fig. 4 is an end elevation as seen looking in the direction indicated by the arrows 4 in Figs. 1, 2, and 3.

Referring to the drawings in detail, the end rings 5, 6, 7, and 8 and the intermediate rings 9 and 10 are adapted to receive the large milk-bottles. Posts 11, 12, and 13 extend downwardly from the outer sides of the rings 5, 9, and 7, and posts 14, 15, and 16 extend downwardly from the outer sides of the rings 6, 10, and 8. The carrier-supporting bars 17, 18, and 19 connect the lower ends of the posts 11 14, 12 15, and 13 16. Posts 20 and 21 extend downwardly from the end sides of the rings 5 and 7, and posts 22 and 23 extend downwardly from the end sides of the rings 6 and 8. The bottle-supporting bars 24 and 25 connect the lower ends of the posts 20 and 21 and 22 and 23, said bottle-supporting bars being some distance above the bars 17, 18, and 19, so that the bars 17, 18, and 19 may protect the bottles resting upon the bars 24 and 25, the bottles being inserted downwardly through the rings upon the bars 24 and 25, said bars being made of springy material, so as to reduce the liability of breaking the bottles, and said bars 17, 18, and 19 serving as feet to support the carrier when it is set upon the ground or floor. The rings 5, 6, 7, 8, 9, and 10 are arranged in the form of a rectangle having rounded corners. A brace 26 extends from the post 21 entirely around the rectangle, said brace being connected to the outer faces of the posts 23, 16, 15, 14, 22, 20, 11, 12, 13, and again to the post 21, the larger part of said brace being vertical and portions 27, 28, 29, and 30 of said brace being turned to horizontal positions to form bottoms for the small milk-bottles and for the cream-bottles.

An upper half-ring 31 is connected to the posts 20 and 22. A similar upper half-ring 32 is connected to the posts 21 and 23. Posts 33 and 34 extend downwardly from the centers of the half-rings 31 and 32, and a bar connects the lower ends of said posts 33 and 34, said bar comprising the horizontal portions 35 and 36, extending from the posts 33 and 34 to the portions 30 and 27, and the vertical portion 37, connecting the portions 35 and 36 and serving as a partition between the lower ends of the large bottles. The lower half-rings 38 and 39 connect the posts 20, 22, and 33 and the posts 21, 23, and 34, respectively. Segments 40 and 41 connect the posts 20 and 22 and 21 and 23 in the same plane as the half-rings 38 and 39 to complete the housing of the lower ends of the small milk-bottles. The upper half-rings 42 and 43 are connected to the posts 14, 15, and 16 and the lower half-rings 44 and 45 are connected to the posts 14, 15, and 16 to form the housing for the cream-bottles, said cream-bottles resting upon the portions 28 and 29 of the brace 26.

The carrying-handle comprises posts 46, 47, 48, and 49, secured to the bottle-supporting bars 24 and 25 and to the rings 5, 6, 7, 8, 9, and 10; the arms 50 and 51, extending upwardly from the posts 46 and 47; the grip portion 52, connecting the upper ends of the arms 50 and 51; the arms 53 and 54, extending upwardly from the posts 48 and 49; the grip portion 55, connecting the upper ends of the arms 53 and 54; the tubular grip 56, mounted upon the grip portions 52 and 55, and the wedge 57, holding the tube 56 in place, the arms 50 51 53 54 serving as partitions between the upper parts of the large milk-bottles.

I desire to call especial attention to the round

corners of the carrier when seen in plan, as in Fig. 1, to the fact that one side of the device is straight and smooth, so as not to catch the clothing of the person carrying the device, to the fact that all the bottles are held elevated, so as not to contact with rocks or other obstacles when set upon the ground, and to the fact that all the bottles rest upon flat springy material. The round corners prevent the device from striking and catching gate-posts and the like, and the device is light, simple, and inexpensive.

I claim—

1. In a bottle-carrier, a plurality of flat metal posts, a plurality of flat metal rings secured to said posts; and flat metal supporting-bars secured to the lower ends of the posts and crossing each other beneath the rings; substantially as specified.

2. In a bottle-carrier, a plurality of flat metal posts, a plurality of flat metal rings secured to said posts; flat metal supporting-bars secured to the lower ends of the posts and crossing each other beneath the rings; and a carrying-handle secured to certain of the supporting-bars and to certain of the rings; substantially as specified.

3. In a bottle-carrier, a series of posts; a series of flat metal bottle-supporting bars crossing one another and secured at their ends to the lower ends of the posts; flat metal rings secured to the upper ends of the posts; a carrying-handle secured to certain of the supporting-bars and to certain of the rings; flat metal strips bent into semicircular form and secured to certain of the posts; and flat metal bottle-supporting bars, arranged beneath the semicircular bent strips; substantially as specified.

In testimony whereof I have signed my name to this specification in presence of two subscribing witnesses.

OTTO ZIEGENGEIST.

Witnesses:

ALFRED A. EICKS,

JOHN C. HIGDON.