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BASKET FOR BOTTLE CONVEYERS.

APPLICATION FILED JUNE 24, 1912.

1,078,262. Patented Nov. 11, 1913.

Fig. I.

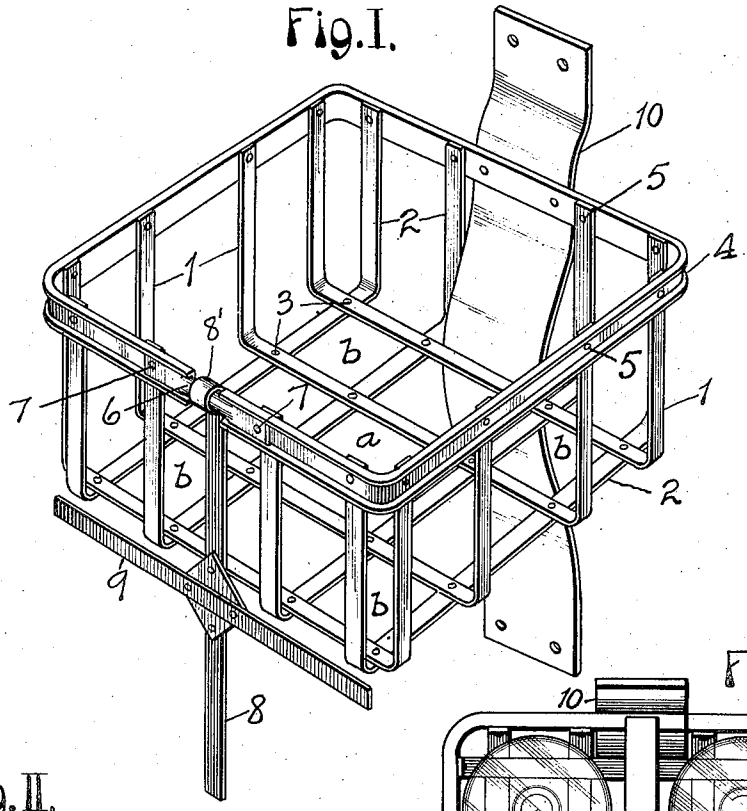


Fig. II.

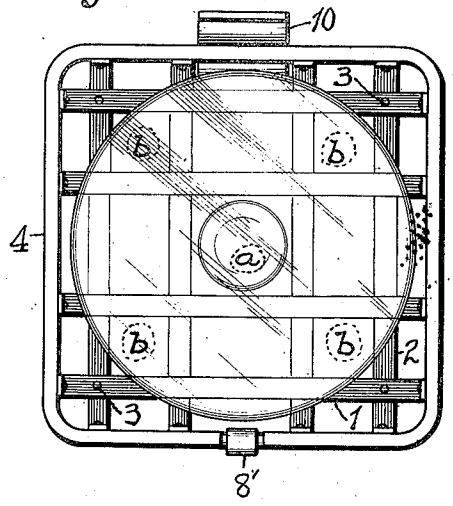


Fig. III.

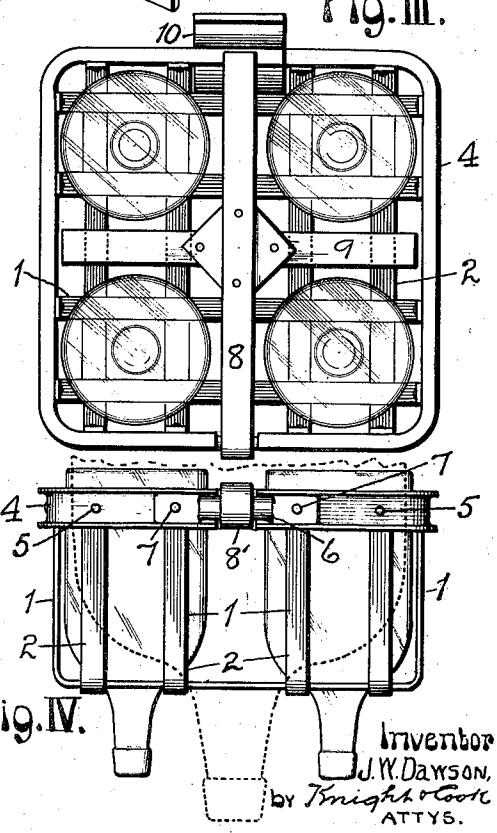


Fig. IV.

Attest

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BASKET FOR BOTTLE-CONVEYERS.

1,078,262. Specification of Letters Patent. Patented Nov. 11, 1913.

Application filed June 24, 1912. Serial No. 705,461.

To all whom it may concern:

Be it known that I, JOSEPH W. DAWSON, a citizen of the United States of America, and a resident of the city of St. Louis and State of Missouri, have invented certain new and useful Improvements in Baskets for Bottle-Conveyers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to a basket for attachment to a suitable conveyer, and by which bottles of different sizes may be transferred from one point to another while resting in inverted positions to permit of their being drained of contents that may have been present therein. The improvement is one more particularly intended for use in bottling houses to transfer bottles from washing or soaking apparatuses to points at a distance from such washing or soaking apparatus.

Figure I is a perspective view of my bottle carrying basket illustrated as it appears when utilized to carry a single large bottle. Fig. II is a top or plan view of the basket in the condition in which it is seen in Fig. I. Fig. III is a top or plan view of the basket as it appears when utilized to carry a plurality of bottles. Fig. IV is a front elevation of the basket with the bottles as they appear in Fig. III shown therein in full lines, and a large bottle indicated in dotted lines, as it would appear when alone present in the basket.

As illustrated in the drawings, my bottle carrying basket comprises framework members 1 and 2, of U-shape, and preferably made of strap iron, each U-shaped framework member including a horizontal body portion and upright members extending vertically from said body portion. The framework members 1 and 2 cross each other at right angles to each other, and the bodies of the members are joined by rivets 3, or other suitable means of fastening, thereby providing the basket with a skeleton bottom, in which there is a central aperture *a* bounded by portions of the bodies of four contiguous framework members 1 and 2 and four apertures *b* at the corners of the bottom, bounded by contiguous portions of the bodies 4 of the framework members 1 and 2. The upright portions of the framework members 1 and 2 are joined at their upper ends to a rectangular top border rim 4 that is preferably made of channel iron to insure strength and rigidity therein. The parts just referred to are preferably secured to each other by rivets 5. The border rim 4 is provided at a point midway between two of its corners with a rounded pivot member 6. The member 6 is preferably provided as one of such construction as to serve also as a connection between the ends of the bar from which the top rim 4 is produced; and, when so made, said member fits between the flanges of the channel in the rim, and is secured to the web of the rim by rivets 7, or other suitable means of fastening, with the result of tying the ends of the rim bar to each other and holding them rigidly to avoid weakness in the rim at the junction of the ends of the bar from which such rim is produced.

My basket includes a division device by which my bottle carrying basket may be subdivided at its upper end to produce a plurality of divisions in which bottles may be placed in inverted positions and be held separated from each other. This division device is in the form of a cross, comprising one bar member 8, provided with a hinge ear 8′, that is loosely fitted to the pivot member 6, and a second bar member 9 bisecting and secured to the first named bar member.

10 designates a supporting bracket secured to the top rim 4 of my basket, and by which the basket may be attached to a conveyer or conveyers of any suitable description. The bracket is usually attached to two horizontally movable endless conveyer chains located in different horizontal planes; and, to permit of such attachment, the bracket is provided at its upper and lower ends with perforations through which bolts may be extended and fastened to the chains.

When my basket is in use, it may, as previously indicated, serve as a carrier for either one large bottle, or a plurality of smaller bottles. If it is to be used for a large bottle only, the division device, comprising the crossed bar members 8 and 9 is permitted to hang idly in the positions in which it is seen in Figs. I and II, and the large bottle is inverted in the basket so that its neck extends through the central aperture *a* in the bottom of the basket, as will be readily appreciated upon reference to Fig.

II and dotted lines Fig. IV. If, on the other hand, it is desired to place a number of smaller bottles in the basket, the division device is elevated and positioned horizontally at the top of the basket, so that the end of its bar member farthest removed from the hinge of the division device will rest upon the top rim 4. It will be understood that when the division device is so located, it subdivides the basket into four divisions, in each of which a bottle may be placed in inverted position, with its neck extending through the corner aperture *b* at the bottom of the division. The members of the division device serve to separate the bottle from each other and prevent impact of one bottle against another in the event of their toppling, thereby avoiding liability of the bottles being broken by striking against each other.

I claim:—

1. A bottle carrying basket comprising a bottom having a central bottle receiving aperture and also provided with bottle receiving apertures smaller than said central aperture, and a division device fitted to said basket above said bottom, the said division device having arms adapted to divide the basket into bottle receiving compartments which register with the said smaller bottle receiving apertures, and the division device being movable to permit the introduction of a large bottle into said central bottle receiving aperture.

2. A bottle carrying basket comprising a bottom having bottle receiving apertures, one of which is located at the center of said bottom, and a division device hinged to said basket above said bottom, said division device being in the form of a cross adapted to divide the basket into four bottle receiving compartments registering with four of said apertures, and the said division device being movable to a suspended position exterior of the basket to permit the introduction of a bottle into the aperture at the center of said bottom.

3. A bottle carrying basket, comprising a top rim formed of channel iron, a pivot member connecting the ends of the channel iron in said top rim, the said pivot member being seated between the flanges of the channel iron to serve as a stiffener, an apertured bottom supported by said top rim, and a division device permanently and loosely fitted to said pivot member movable from a suspended position exterior of the basket to a horizontal position at the top of the basket to subdivide the latter into a plurality of compartments.

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In the presence of—
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