

L. B. KAUFFMANN.

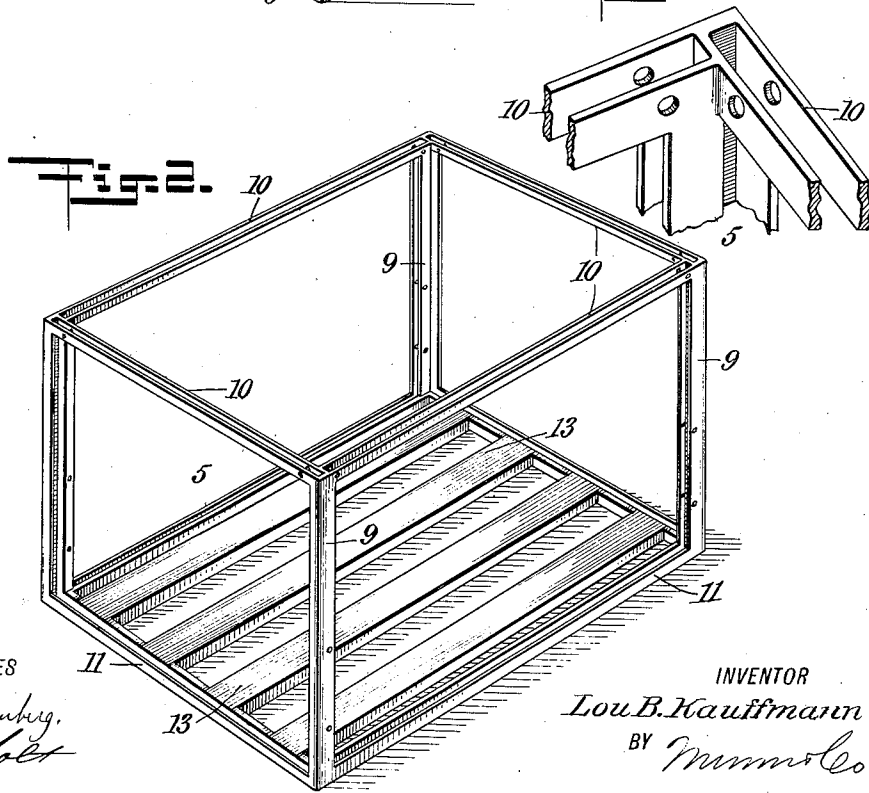
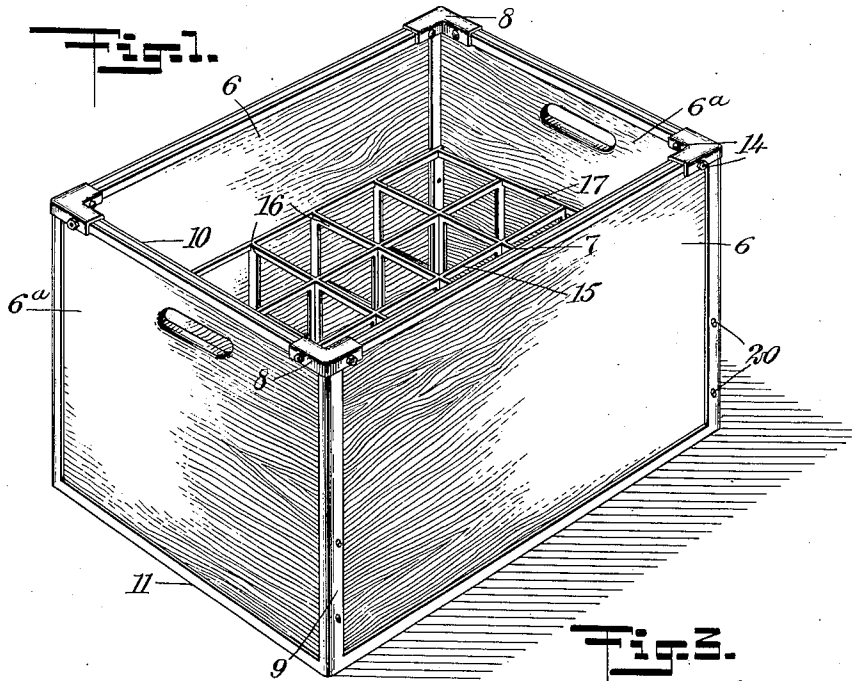
BOTTLE CRATE.

APPLICATION FILED JAN. 29, 1909.

1,050,142.

Patented Jan. 14, 1913

2 SHEETS—SHEET 1.



WITNESSES

F. B. Hackenberg.
H. W. Holt

INVENTOR

Lou B. Kauffmann

BY *Mumme & Co.*

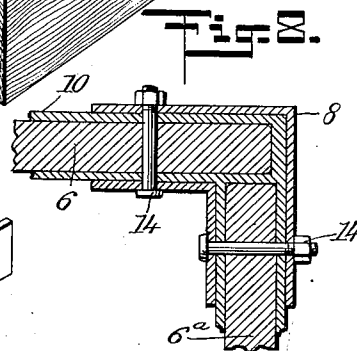
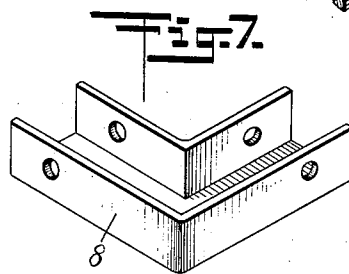
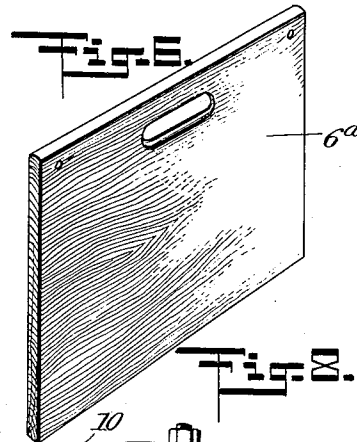
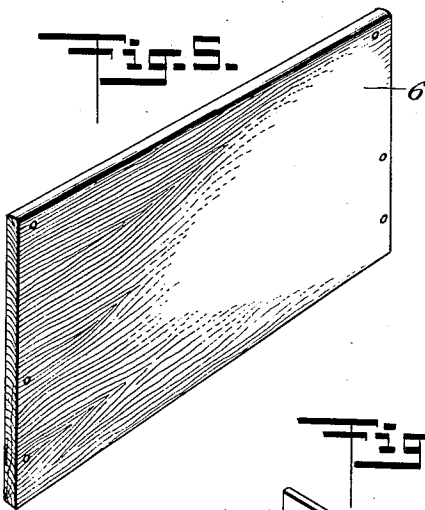
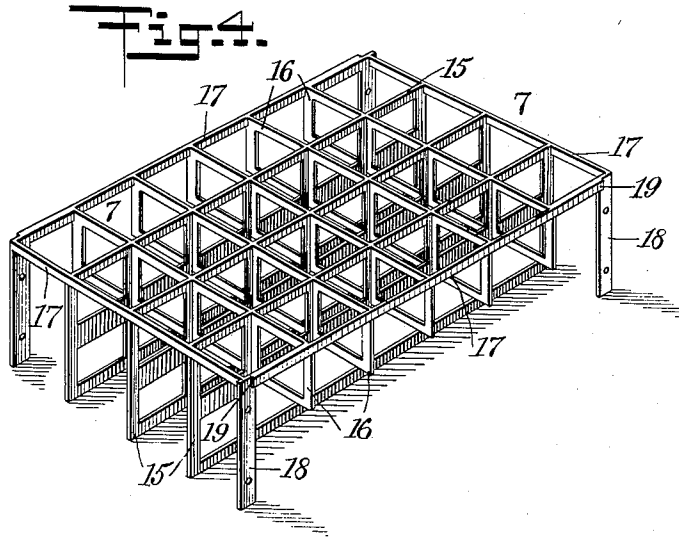
ATTORNEYS

L. B. KAUFFMANN.
BOTTLE CRATE.
APPLICATION FILED JAN. 29, 1909.

1,050,142.

Patented Jan. 14, 1913.

2 SHEETS-SHEET 2.



WITNESSES

F. J. Hackenbury,
Wm. A. Lee

INVENTOR

Lou B. Kauffmann
BY *Mum & Co*

ATTORNEYS

UNITED STATES PATENT OFFICE.

LOU B. KAUFFMANN, OF NEW YORK, N. Y., ASSIGNOR TO KAUFFMANN KASE
KOMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

BOTTLE-CRATE.

1,050,142.

Specification of Letters Patent.

Patented Jan. 14, 1913.

Application filed January 29, 1909. Serial No. 474,987.

To all whom it may concern:

Be it known that I, LOU B. KAUFFMANN, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Bottle-Crate, of which the following is a full, clear, and exact description.

Crates as at present constructed for beer bottles, milk bottles and similar receptacles are, after short usage, either in need of repair or renewal; usually the sides are stove in or split, or the bottle rack damaged, requiring the replacement of the crate.

I have devised a crate to withstand considerable rough handling and abuse, and in which the sides are separately removable, as also the bottle rack, whereby any one of these parts may be renewed when split or otherwise damaged, and avoid the discarding of the remainder of the structure.

The crate consists of a metal box frame, sides of wood or other like strong material received in vertical ways formed in the frame and held in place by removable corner caps, and a metal rack detachably secured within the box at the corners of the frame.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of my improved crate complete; Fig. 2 is a similar view of the box frame; Fig. 3 is a fragmentary perspective view, on an enlarged scale, of an upper corner of the frame; Fig. 4 is a perspective view of the bottle rack; Fig. 5 is a similar view of one of the removable sides; Fig. 6 is a like view of another of the sides or ends; Fig. 7 is an inverted perspective view of one of the corner caps on an enlarged scale; and Fig. 8 is a horizontal section of a corner of the crate.

The crate consists in general of a box frame 5, sides 6 and 6^a, a bottle rack 7 and corner caps 8. The box frame is preferably constructed of metal and comprises upright side frames, each frame formed integrally or otherwise rigid with the adjoining frames and having upright corner posts 9. The corner posts of each upright frame, as also the horizontal marginal connecting portions

10 and 11 respectively, are provided with vertical ways to receive a side of the box. For this purpose the marginal connecting portions 10 are vertically slotted, the posts 9 grooved in the edges, and the bottom marginal portions 11 grooved in the upper faces. The bottom marginal portions 11 of the side frames at the ends of the box are rigidly connected together by a number of slats 13, the slats preferably being cast integrally with the upright frames. In the vertical ways of the upright frames of the box frame are received the sides 6 and 6^a, which are of such height as to be flush with the upper marginal portions 10 of the frames when the sides are seated in the grooves of the marginal portions 11. The sides are removably secured in place in the box frame by the corner caps 8, which, as best shown in Fig. 7, are channeled to neatly fit over the upper marginal portions 10 of adjoining frames, to which they are removably secured by bolts 14, which as best shown in Fig. 8, pass through the flanges of the corner plates, the marginal portions 10 of the box frame and the box sides.

The bottle rack is constructed of upright latticed frames 15 and 16 joined together at the upper corners by a marginal strip 17, which, at the corners of the rack, have upright legs 18, the side strips 17 being vertically rabbeted at the juncture of the legs to form shoulders 19. The intersecting frames 15 and 16 are spaced apart to form a suitable number of pockets, usually twenty-four, of the requisite size, the longitudinal frames 15 being about twice the width or depth of the frames 16 and both sets of frames arranged at the same height or flush at the top. When the bottle rack is seated in the box, the frames 15 rest at the ends on the bottom marginal portions of the box frame in the intervals between the slats, and the legs 18 bear against the inner faces of the posts 9, with the shoulders 19 abutting against the edges of the posts. With the bottle rack thus positioned, the legs 18 are detachably connected to the posts 9 by screws or such other devices 20. These screws pass through the sides of the box and assist in securing them to the box frame. The bottle rack like the box frame is preferably cast in a single piece.

Should any of the box sides require re-

newal it is only necessary to remove the adjacent corner caps and screws 20, when the side may be lifted out of the ways in the box frame and a new one inserted in its
5 stead, or if the bottle rack be damaged, this may, after the screws 20 have been removed, be lifted from the box and a new rack inserted and secured in position.

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

1. A crate including in combination a metal frame constituting the edges of the crate, the top and side edge parts of said
15 frame consisting of two members spaced apart from each other, and sides for the crate slidable into position between the members of the respective top and side edges, and means for holding said sides in
20 position.

2. A crate including in combination a metal frame constituting the edges of the crate, the top and side edge parts of said
25 frame consisting of two members spaced apart from each other, and sides for the crate slidable into position between the members of the respective top and side edges, and caps fitting over the upper corners of the frame to hold the sides in
30 position.

3. A crate including in combination a

metal frame constituting the edges of the crate, the top and side edge parts of said frame consisting of two members spaced apart from each other, and sides for the
35 crate slidable into position between the members of the respective top and side edges, the bottom edge parts of said frame consisting of two members fixed to each other, one member extending along the bot-
40 tom outside edge of the crate side and the other member extending along the bottom of said crate side.

4. A crate including in combination a metal frame constituting the edges of the crate,
45 the top and side edge parts of said frame consisting of two members spaced apart from each other, and sides for the crate slidable into position between the members of the respective top and side edges, means
50 for holding said sides in position, and members extending across the bottom of the crate and connected to the opposite bottom parts of the crate frame.

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

LOU B. KAUFFMANN.

Witnesses:

W. W. HOLT,
JOHN P. DAVIS.