J. JONES.

RECEPTACLE.

APPLICATION FILED FEB. 21, 1917.

1,258,223.

Patented Mar. 5, 1918.

3 SHEETS—SHEET 1.

FIG. 1.

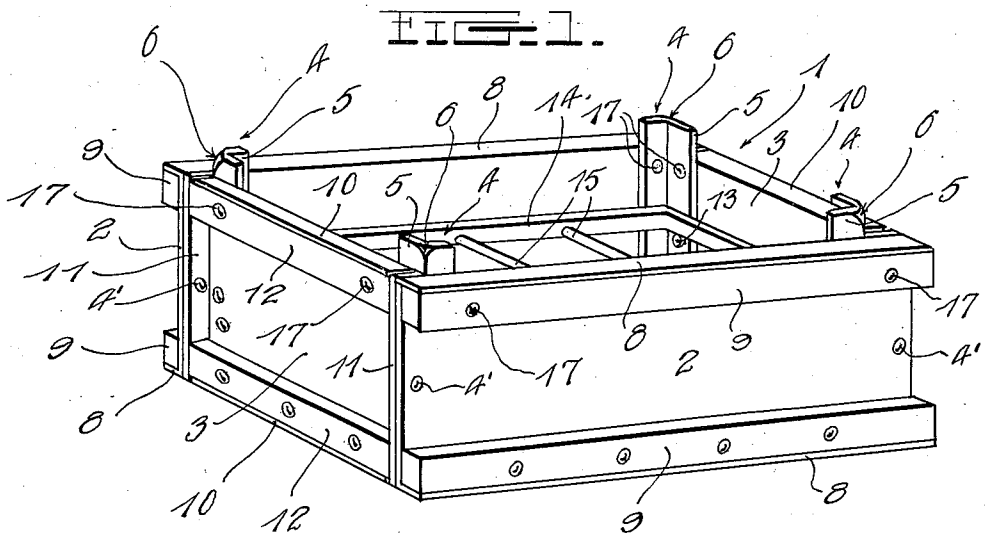
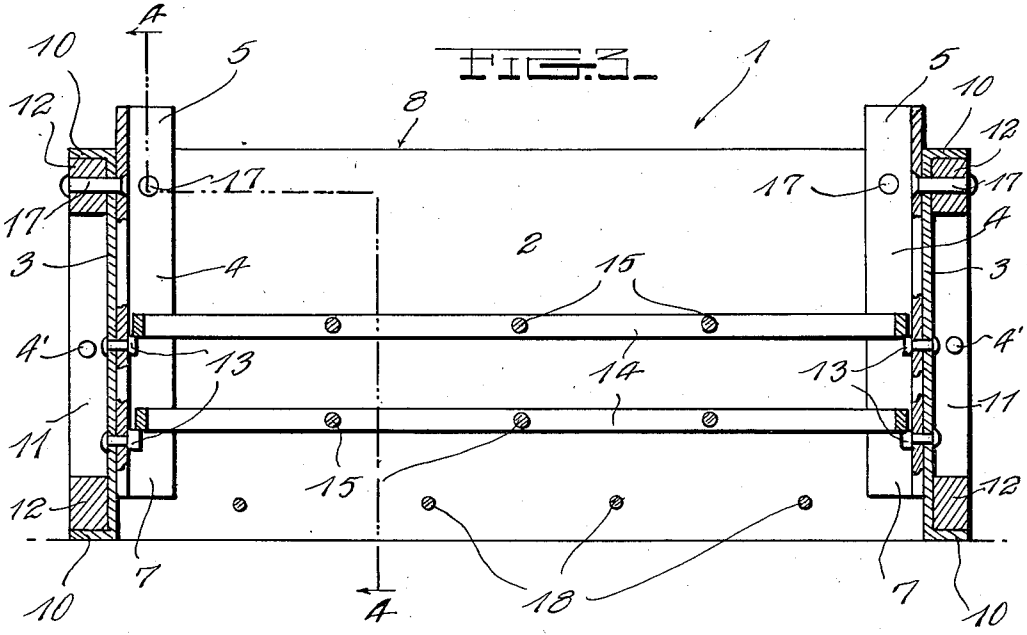


FIG. 3.



Inventor

J. JONES

Witness

George M. Giovanetti

By H. B. Williamson & Co.

Attorneys

J. JONES.

RECEPTACLE.

APPLICATION FILED FEB. 21, 1917.

1,258,223.

Patented Mar. 5, 1918.

3 SHEETS—SHEET 2.

FIG. 2.

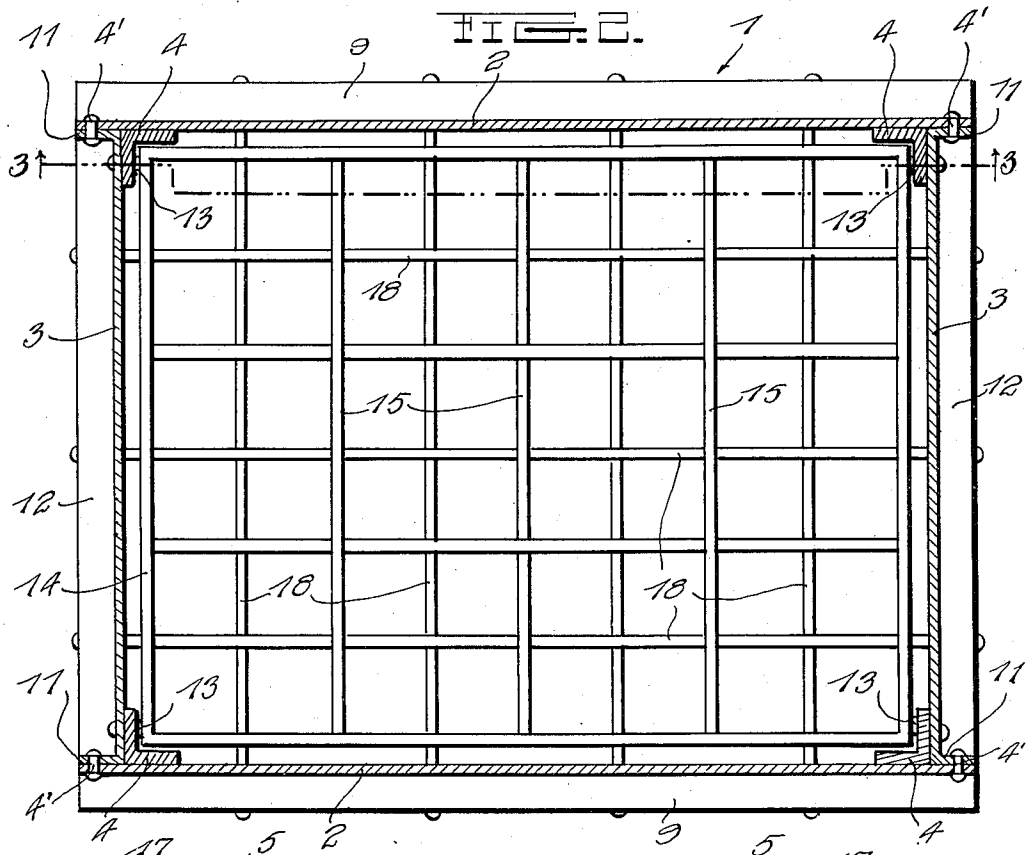
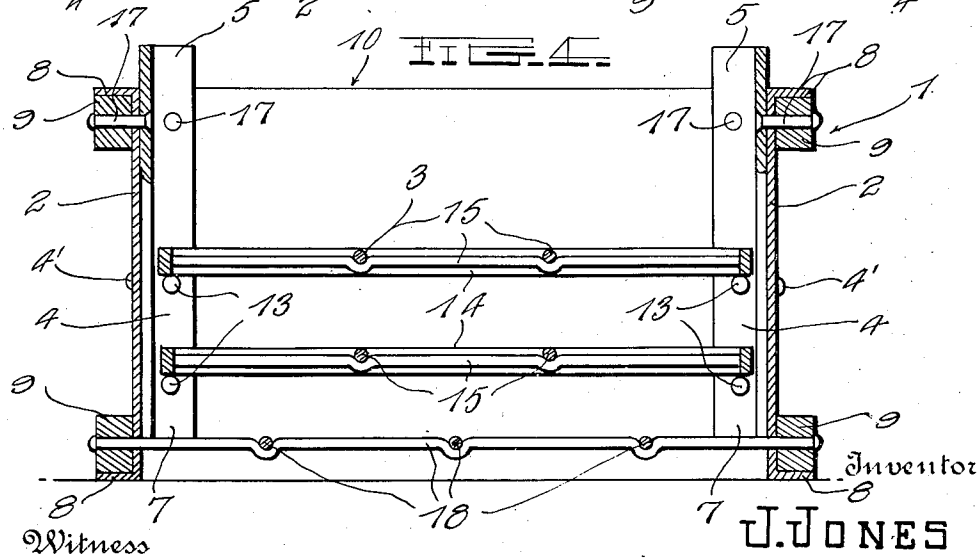


FIG. 4.



Witness

George W. Gravenstein

Inventor

J. JONES

By H. B. Williamson & Co

Attorneys

J. JONES.

RECEPTACLE.

APPLICATION FILED FEB. 21, 1917.

1,258,223.

Patented Mar. 5, 1918.

3 SHEETS—SHEET 3.

FIG. 5.

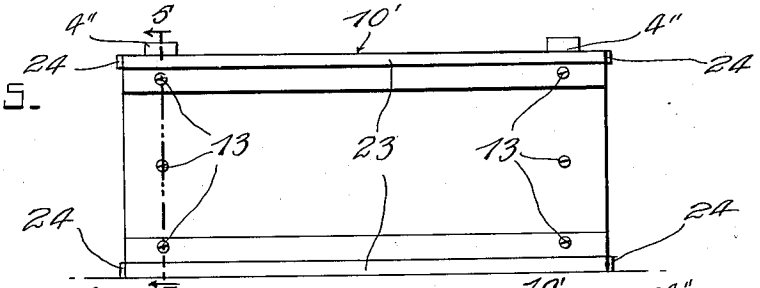


FIG. 7.

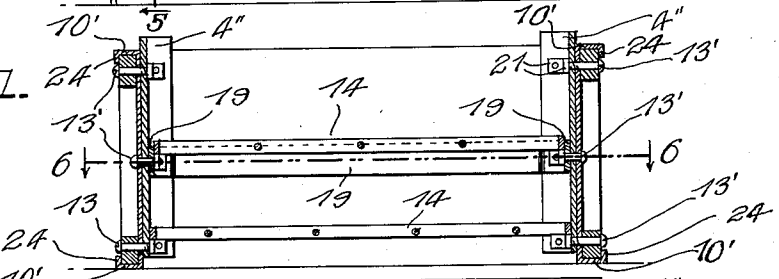
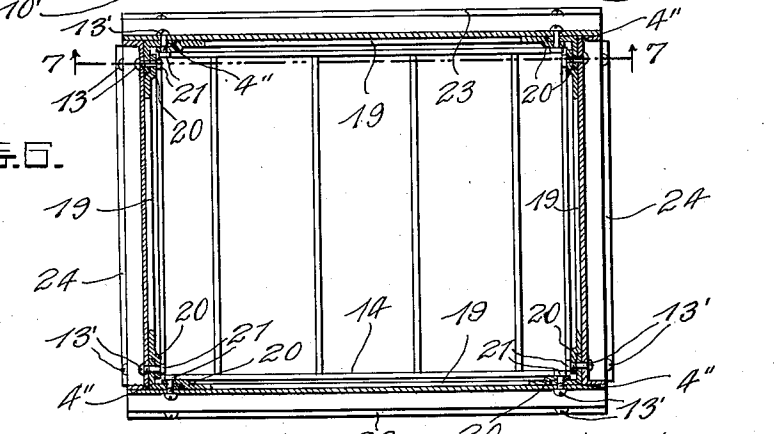


FIG. 6.



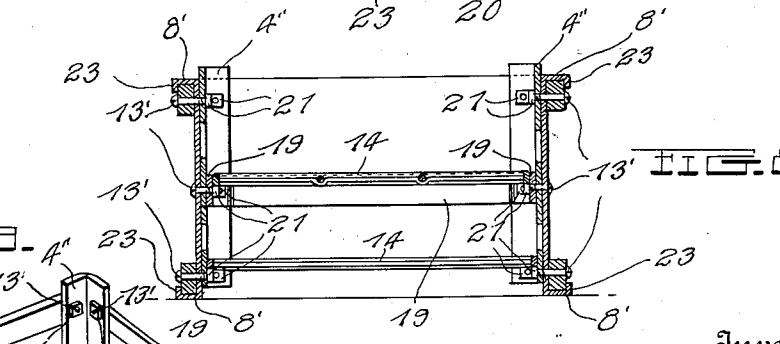
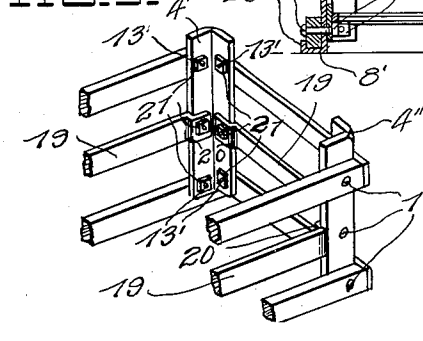


FIG. 8.

FIG. 9.



Inventor

J. JONES

By H. B. Williamson & Co

Attorneys

UNITED STATES PATENT OFFICE.

JASPER JONES, OF NEWARK, OHIO.

RECEPTACLE.

1,258,223. Specification of Letters Patent. Patented Mar. 5, 1918.

Application filed February 21, 1917. Serial No. 150,180.

To all whom it may concern:

Be it known that I, JASPER JONES, a citizen of the United States, residing at Newark, in the county of Licking and State of Ohio, have invented certain new and useful Improvements in Receptacles; 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.

This invention relates to new and useful improvements in receptacles, and more particularly receptacles for holding and delivering bottles of milk.

The primary object of the invention is to provide a receptacle of this class of a new and improved construction, which is strong and durable, and absolutely sanitary.

Another object of the invention is to provide a device of this character which is provided with means whereby when a number of the receptacles are superposed, they are adapted to interlock to securely hold them in position. This construction will greatly facilitate the shipping and storing of a number of the bottle holding receptacles.

Still another object of this invention is to provide a device of this character which is simple and durable in construction, inexpensive to manufacture, and one which will be very efficient in operation.

With these and numerous other objects in view, my invention consists of the novel features of construction, combination and arrangement of parts which will be herein referred to and more particularly pointed out in the specification and claims.

In the accompanying drawings:—

Figure 1 is a perspective view of the receptacle;

Fig. 2 is a horizontal section;

Fig. 3 is a vertical section on the line 3—3 of Fig. 2;

Fig. 4 is a vertical section on the line 4—4 of Fig. 3;

Fig. 5 is a side elevation of a modified form of my invention;

Fig. 6 is a horizontal section taken on the line 6—6 of Fig. 7;

Fig. 7 is a longitudinal section on the line 7—7 of Fig. 6;

Fig. 8 is a sectional view on line 5—5 of Fig. 5; and

Fig. 9 is a view in perspective showing my receptacle in skeleton form, the side and end plates removed.

In describing my invention I shall refer to the drawings in which similar reference characters designate corresponding parts throughout the several views. In Fig. 1, I have illustrated one of the receptacles which is formed of a substantially rectangular-shaped body 1 comprising side walls 2 formed of sheet metal plates, and end walls 3, formed of a similar material. The ends of the side and end walls 2 and 3 are connected to each other, and to angular corner posts 4, in a manner to be hereinafter more fully described.

The corner posts 4 have their upper ends 5 projecting upwardly a short distance above the upper edge of the sides and ends of the body of the receptacle, and the outer corners of these projecting ends are rounded as shown at 6. The lower ends 7 of the corner post that are positioned within the body of the receptacle 1, are spaced above the bottom edge of the same a predetermined distance. By this construction, when it is desired to pile a number of these receptacles in superposed relation, it will be obvious that the projecting upper ends of the corner posts of one receptacle will extend upwardly into the bottom of the receptacle directly above the same, and engage the inwardly spaced lower ends of the corner post therein. This will form an interlocking joint which will securely hold the receptacles in this relation and prevent them from being separated from each other. The corners 6 of the projecting ends of the corner posts are rounded so as to facilitate the interlocking of the two receptacles.

The side plates 2 have their upper and lower edges 8 bent laterally and outwardly at right angles thereto, and the ends of these side plates extend a predetermined distance past the corner post to which they are secured, for a purpose to be hereinafter more fully described. Secured to the outer surface of the side plates 2 adjacent the bent edges of the same, are side bars 9 which are of equal length to the plates, and which consequently terminate at the ends of the same. The end plates 3 have their top and bottom edges 10 and side edges 11 bent laterally and outwardly, as clearly shown in Fig. 1 of the drawings, and secured to their outer faces adjacent the bent top and bottom edges 10, are a pair of transversely extending end bars 12 which are of equal length to the length of said plates. The bent edges of

these plates have their extremities disposed in alinement with the ends of the side plates 2, as clearly shown in Fig. 1 of the drawings, when the body of the receptacle is assembled, thus greatly increasing the strength and durability of the body.

The side and end plates 2 and 3 which have the side bars and end bars secured adjacent their upper and lower bent edges, are positioned together at their projecting ends by means of rivets 4'. These rivets connect the bent end edges of the end plates, and the adjacent flush and end portions of the side plates. The device is also provided with rivets passing through the side and end plates and the bars secured adjacent the top edges of the same, these rivets being designated by the numeral 17, and extending through the adjacent sides of the corner posts 4, as clearly shown in Figs. 3 and 4 of the drawings. The rivets 17 will securely fasten the plates to the corner posts, and to additionally secure the plates together, and also to furnish a bottom portion for the receptacle, I have provided a plurality of longitudinally and transversely crossed rods 18 that are positioned adjacent the bottom edges or the plates of the body portion, and which extend through the same and also through the adjacent bottom, side and end bars. These crossed rods are so arranged that they will form a supporting frame for the milk bottles that are adapted to be disposed within the receptacle. Furthermore, the bottom rods form securing means between the sides of the body, in addition to the rivets 4' which secure the ends together as has been hereinbefore described.

Secured to the end walls of the corner posts 4 within the body of the receptacle, are projecting spaced studs 13 which are adapted to receive thereon rectangular-shaped frames 14 which are provided with crossed rods 15, that are, when the frames are in position, adapted to form spacing partitions for bottles that may be disposed within the receptacle. The spacing partitions are adapted to be easily removed from the receptacle, the top partition easily sliding therefrom as is obvious, and the lower partition being so arranged in relation with the spaced studs and the receptacle, that the same is adapted to pivot on one edge, whereby it may be easily withdrawn from the body after the top partition has been removed. The spacing studs 13 are preferably formed with slightly enlarged ends so as to form ample supporting surface to hold the partitions securely in position. These studs are only positioned on the opposite end portions of the angular corner posts as clearly shown in Fig. 2 of the drawings.

This type of receptacle for supporting and carrying bottles of milk is very strong and durable, and is absolutely sanitary, as there is no space against which the sides of the bottles rub. This constant rubbing of the bottles against the side of a receptacle, will in a short time make the receptacle unsanitary, but by providing the spacing partitions and having the body 1 of my receptacle formed with an open top and bottom, the bottles will be held spaced from the sides of the receptacle and hence the same will be absolutely sanitary. Owing to its extremely simple construction, this receptacle may be easily cleaned, when necessary.

The projecting upper ends of the corner posts of the body 1 allow a number of these receptacles to be superposed without any danger of the same toppling over, as these ends interlock with the bottom of the adjacent receptacle to securely hold them together. This will be found very useful in shipping and storing a large number of these receptacles. The plates and end and sides bars of the body of the receptacle may be secured together in any desired manner, as well as the connecting means between the plates and the outer faces of the angular corner posts.

A modified form of my invention is disclosed in Figs. 5, 6, 7, 8 and 9 in which a plurality of brace bars 19 extend between the corner posts 4''. These bars are offset at their ends 20 and are secured to said posts by means of the movable bolts 13' which extend through the posts and the adjacent side or end plates 2 and 3. The edges 8' and 10' have extended portions 23 and 24 which are bent over the adjacent edges of the bars as shown in Figs. 7 and 8. The bolts 13' have nuts 21 threaded on their inner projected ends. The frames 14 rest upon these nuts 21 and are removably supported thereon. The lower frame serves as a bottom for the receptacle, being composed of a framework of transversely disposed rods.

Owing to this construction, it is readily perceived that it is merely necessary to take out the frames and remove the bolts and the receptacle may be dismantled for transportation or any other purpose desired. If the skeleton structure as shown in Fig. 9 is preferred, which is in some instances desirable, the posts, bars and frames may be reassembled and secured by the bolts without the addition of the sides and end plates.

From the foregoing description of the construction and operation of my receptacle, the manner of applying the same to use and the operation thereof will be readily understood, and it will be seen that I have provided a simple and efficient device of this character for carrying out the objects of the invention.

I claim:—

1. A receptacle as described comprising a rectangular shaped body composed of side and end plates connected at their adjacent

ends by angular corner posts, frame brace bars at the top and bottom of the receptacle and externally arranged of the plates, a series of brace bars intermediate the top and bottom of the receptacle internally disposed with respect to the plates and posts, bolts extending through the ends of the bars and through the plates and posts for securing the same, nuts carried on the inner ends of said bolts, whereby said plates may be removed and the frame used in skeleton form, and bottle retaining partition members removably supported on said nuts.

2. A milk bottle case comprising a substantially rectangular receptacle having sheet metal side and end plates, all of said plates having their upper and lower edges bent outwardly at right angles to form flanges, angular metal corner posts positioned internally at the four corners of said receptacle, a series of rectangular brace bars connecting said posts at the top and bottom of the receptacle and externally of said posts and plates, the flanges of said side and end plates forming a protecting covering for said brace bars, the aforesaid end plates having their upright edges bent outwardly at right angles to form flanges, said end plates being positioned so that the outer edges of said upright flanges are flush with the end edges of the side plates, the corner posts having a length substantially equal to the height of the side plates, said posts having their upper ends extending above the top flange of said side plates and having their lower ends terminating above the bottom of the lower flange of the side plates, bottle retaining members positioned adjacent the bottom edges of said side plates, bottle positioning members disposed within the receptacle, and securing means extending through the plates and posts and into said receptacle to act as supports for said bottle positioning members.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JASPER JONES.

Witnesses:
WILLIAM M. JONES,
RALPH B. PRIEST.