

No. 895,209.

PATENTED AUG. 4, 1908.

N. A. SMITH.
SHIPPING CASE.

APPLICATION FILED MAY 28, 1907.

2 SHEETS—SHEET 1.

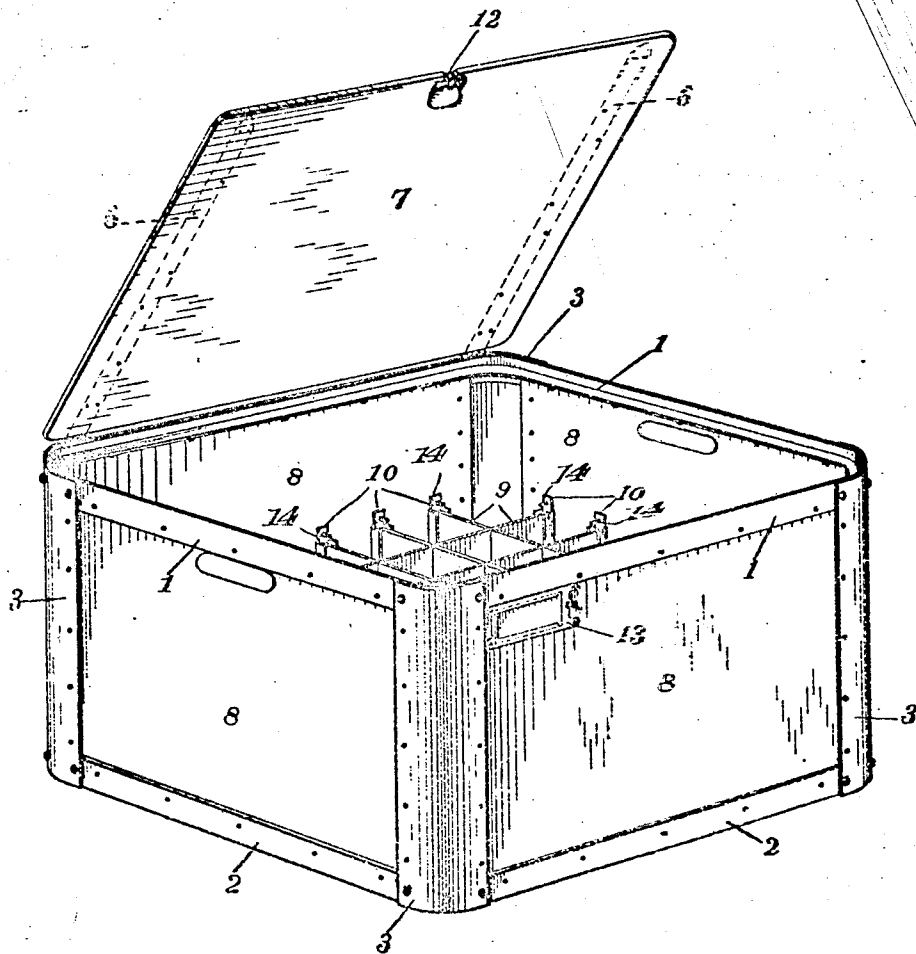


Fig. 1.

Witnesses

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Palmer A. Jones.

Inventor

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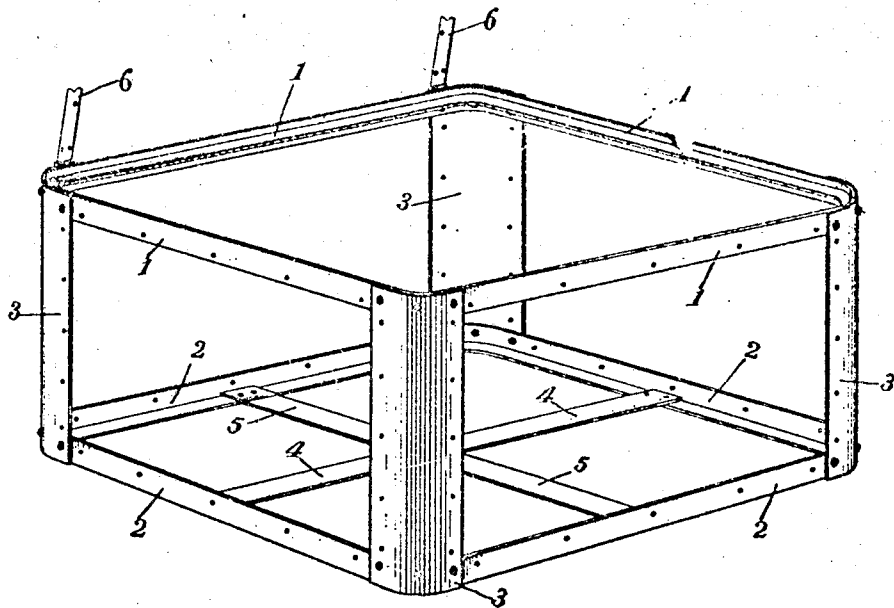


Fig. 2.

Fig. 4.

Fig. 5.

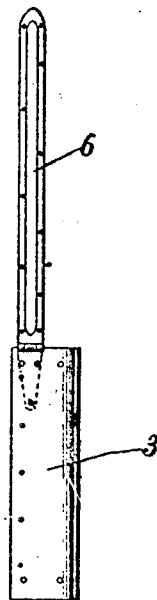
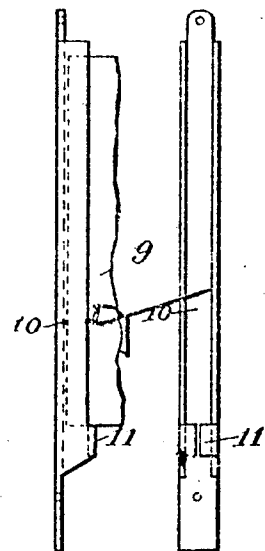


Fig. 3.



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UNITED STATES PATENT OFFICE.

NICHOLAS A. SMITH, OF GRAND RAPIDS, MICHIGAN.

SHIPPING-CASE.

No. 895,209.

Specification of Letters Patent.

Patented Aug. 4, 1908.

Application filed May 28, 1907. Serial No. 376,147.

To all whom it may concern:

Be it known that I, NICHOLAS A. SMITH, a citizen of the United States of America, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Shipping-Cases; and I do hereby 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.

My invention relates to improvements in shipping cases, and more particularly to such cases as used for shipping bottled beer, milk and like substances the bottles when empty being returned to the shipper in the case. And its object is to provide a case that may be easily cleaned; that is strong and durable, yet light in weight; that may be constructed at a small expense; and that may be easily and quickly repaired. These results I obtain by the structure described in the following specification and illustrated in the accompanying drawings in which:

Figure 1. shows a perspective view of my improved shipping case with the cover opened to show the division bars and my improved means for holding them; Fig. 2. a perspective view of the skeleton or metal frame of the case; Fig. 3. one of the corner plates detached, with one of the strap cover hinges attached thereto; Fig. 4. a side elevation of one of the division plate holders; and Fig. 5. a front elevation of the same.

Like numerals refer to like parts in all the figures.

The skeleton or frame of the case is constructed from a T-bar 1, which is bent into a rectangular form with rounded corners and having one member extending downward, to which the sides are secured, and a horizontal member projecting inward to form a ledge on which the cover is supported with its edge surrounded by the upper member of said bar when closed. An angle bar 2, bent into rectangular form with rounded corners with one leg of its angles projecting horizontally inward forms the bottom of the frame. Metal corner plates 3 curved to form rounded corners to fit the bars are attached to the bars 1 and 2 to hold and space them apart. Strengthening strips 4 and 5 are secured to the inwardly turned horizontal flange of the bar 2 which being crossed at their center strengthen the bottom rectangle and serve to support the bottom panel. Bars 6 are

also hinged to two adjacent upper ends of the curved corner plates 3, which bars thus serve as both cleats and hinges for the cover 7.

Veneer panels 8 preferably made of wood and attached to the inside of the frame are secured to the corner plates 3 and angle and T bars 2 and 1 forming complete closures for the sides of the case. It will be seen that the panels 8 terminate short of one another at the corner plates 3 and that they in combination with the corner plates 3 form the sides of the case. A bottom panel also of wood rests upon and is secured to the inwardly projecting flange of the angle bar 2, and is centrally supported by the cross bars 4 and 5 and a cover panel 7 is secured to the hinged bars 6. These panels are secured in place by means of rivets or screws as desired.

To prevent the inclosed bottles from contacting each other I use division plates 9 arranged to cross at right angles in any convenient manner and forming separate compartments for the bottles and also held in place at their ends and spaced apart from the bottom of the case by the improved holders 10. These holders are formed from sheet metal in the form of channel bars, and are provided with a stop 11, formed by folding the extended sides into a rectangle at this point, the bottom edges of the division plates 9 engage this shoulder and hold said bars any predetermined distance from the bottom of the case and removable pins 14 detachably retain the plates in place. The division plates being thus held from engagement with the bottom of the case, any substances that may accumulate in the case may be easily collected at one corner of the case and removed without removing the division plates. A lock 12 of any convenient construction is provided to hold the cover of the case closed, and may be adapted to be sealed when the shipments of full bottles are made. A label holder 13 is also provided for holding the label bearing the address of the consignee.

By my improved construction, I am enabled to provide a case that is light in weight, strong and durable, neat in appearance, cheap to construct, and that may be easily cleaned and repaired if necessary.

What I claim is:

1. In a case of the class described, a metal frame consisting of a T-bar bent into rectangular shape and having one of its legs projecting horizontally inward, an angle bar

bent into rectangular shape and having one of its legs projecting horizontally inward, plates secured to said bars at their four corners to secure and space the same apart and
5 to form corners for the case, cross bars secured to the horizontal leg of the angle bar, a bottom member disposed over said cross bars, panels secured to the T-bar and also to the angle bar and to the said plates, the panels terminating short of each other and with the
10 said plates forming the sides of the case, and a panel forming a cover hinged at one side of the case.

2. In a case of the class described, a metal
15 frame consisting of a T-bar bent into rectangular shape and having one of its legs projecting horizontally inward, an angle bar bent into rectangular shape and having one of its legs projecting horizontally inward,
20 plates secured to said bars at their four cor-

ners to secure and space the same apart and to form corners for the case, panels resting upon the horizontal leg of the angle bar and disposed against the inner face of the T-bar beneath the horizontal leg of the latter, said panels
25 overlapping the inner edges of said plate and terminating short of each other, means for securing the panels to said bars and to said plates, said bars and said panels cooperating to form sides of the case and a cover hinged
30 connected to one side of the case and resting upon the upper face of the horizontal leg of the T-bar when in closed position.

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

NICHOLAS A. SMITH.

Witnesses:

PALMER A. JONES,
H. H. YARRINGTON.