

G. W. SHARP.
SHIPPING CRATE.
APPLICATION FILED APR. 29, 1909.

936,259.

Patented Oct. 5, 1909.
2 SHEETS—SHEET 1.

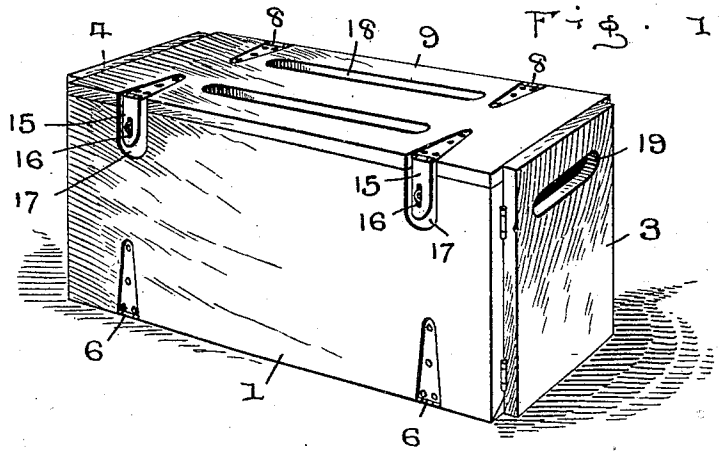


Fig. 2.

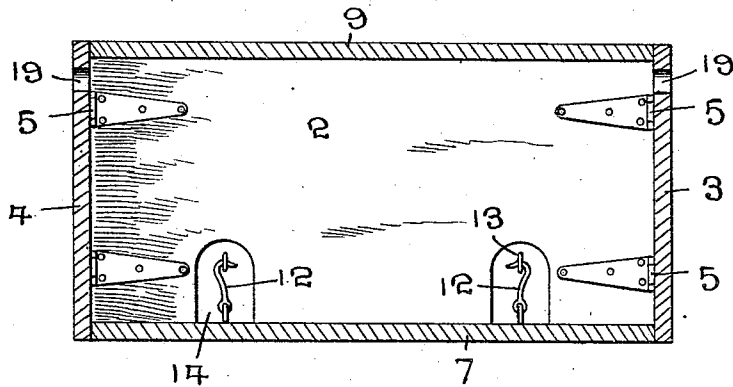
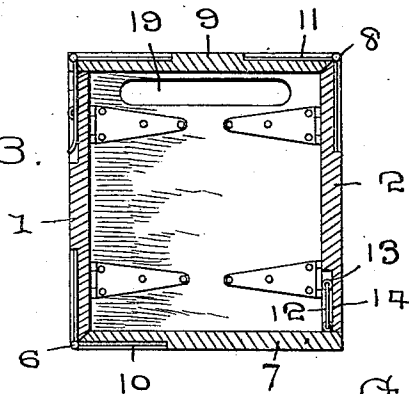


Fig. 3.



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2 SHEETS—SHEET 2.

Fig. 4.

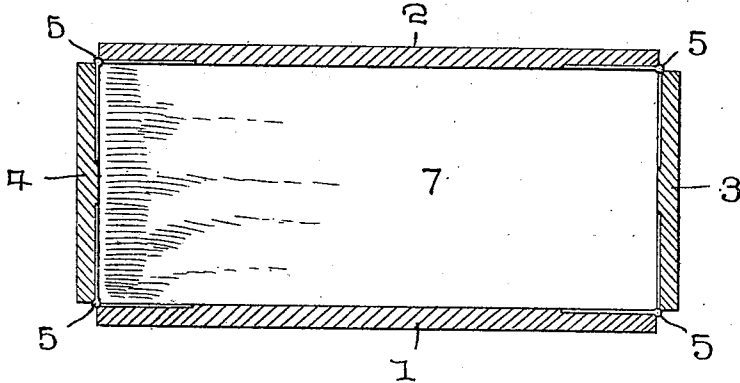


Fig. 5.

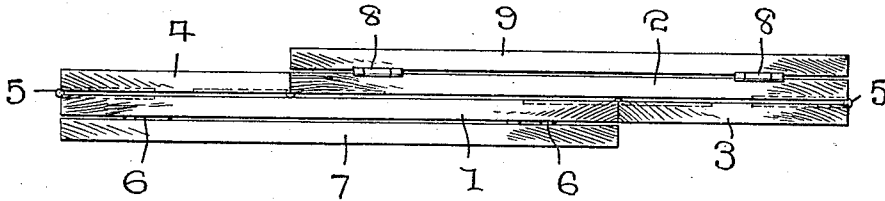
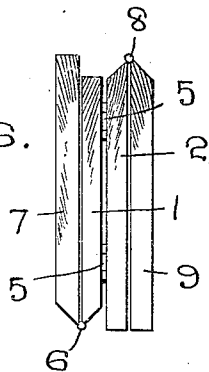


Fig. 6.



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UNITED STATES PATENT OFFICE.

GEORGE W. SHARP, OF FRANCIS, OKLAHOMA, ASSIGNOR OF ONE-HALF TO JOHN A. SMITH, OF FRANCIS, OKLAHOMA.

SHIPPING-CRATE.

936,259.

Specification of Letters Patent.

Patented Oct. 5, 1909.

Application filed April 29, 1909. Serial No. 492,893.

To all whom it may concern:

Be it known that I, GEORGE W. SHARP, a citizen of the United States, residing at Francis, in the county of Pontotoc and State of Oklahoma, have invented certain new and useful Improvements in Shipping-Crates; 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 new and useful improvements in shipping crates and my object is to provide a crate which may be readily assembled for shipping purposes or knocked down and folded together for re-shipping.

A further object is to so connect the parts of the crate together that when in a knocked down position, they will occupy but a minimum amount of space.

A further object is to provide means for securely holding the parts in their assembled positions and a still further object is to provide means for protecting the hinges employed for securing the parts of the crate together.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claims.

In the accompanying drawings forming part of this application, Figure 1 is a perspective view of the crate in its assembled position. Fig. 2 is a vertical longitudinal sectional view thereof. Fig. 3 is a transverse vertical sectional view thereof. Fig. 4 is a horizontal sectional view through the crate. Fig. 5 is an edge elevation of the crate in its knock-down or folded position, and, Fig. 6 is an end elevation of the crate in its folded position.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 and 2 indicate the side walls of the crate and 3 and 4, the end walls thereof, said side and end walls being secured together by means of hinges 5 and by terminating the side walls co-incidental to the inner faces of the end walls, said side and end walls may be folded together.

Secured to the lower edge of the side wall 1 by means of hinges 6, is a bottom wall 7, the meeting edges of the side wall 1 and the bottom 7 being tapered, so that the bottom

wall when closed will extend directly at right angles to the side wall and the lower face of the bottom wall extend flush with the outer face of the side wall to which it is secured.

Secured to the upper edge of the side wall 2 by means of hinges 8 is a cover 9, the meeting edges of the cover and side wall 2 being tapered in a manner similar to the side wall 1 and bottom 7, the free edges of the bottom and cover extending, respectively, below the side wall 2 and above the side wall 1, the ends of the bottom and cover terminating flush with the outer faces of the side walls.

The hinges 6 and 8 are seated in recesses 10 and 11, respectively, whereby said hinges will be protected against injury from coming in contact with other objects, while the hinges 5 are placed within the crate and are seated in depressions to provide a smooth surface within the crate.

The free edge of the bottom wall 7 is held in its closed position by providing hooks 12 on the bottom wall, which are adapted to be engaged with eyes 13 on the side wall 2 and by forming depressions 14 in the side wall 2 in which the hooks and eyes are located, the interior of the crate will be left free of any obstruction.

The cover 9 is held in its closed position by means of hasps 15, one section of which is secured in a depression in the cover, while the opposite end thereof is adapted to engage a staple 16 located in a depression 17 in the side wall 1 and after the hasps are engaged with the staple, any suitable form of lock may be employed for sealing the crate. The cover 9 is also preferably provided with slots 18, through which air may enter to ventilate the interior of the crate and the end walls 3 and 4 are also preferably provided with slots 19 for ventilating purposes and also to afford hand holds when transporting the crate.

The length of the end walls 3 and 4 is such as to bring the upper and lower ends of said end walls flush with the upper and lower faces, respectively, of the cover and bottom wall, so that said cover and bottom wall will rest between the end walls when the crate is in its assembled position, thereby securely holding the parts of the crate against twisting movement and rendering the crate substantially rigid.

When the parts of the crate are to be

knocked down, the cover 9 is swung from over the crate and against the outer face of the side wall 2 and the bottom wall 7 swung upwardly and against the outer face of the side wall 1 when the side walls are to be moved in opposite directions, which will result in swinging the side and end walls into engagement with each other as best shown in Figs. 5 and 6, thus disposing the parts of the crate in compact form for reshipping purposes.

It will thus be seen that I have provided a very cheap and durable form of crate and one that can be manufactured of wood or metal as preferred and it will further be seen that the crate will be perfectly rigid when in its assembled position and can be quickly folded into compact form for reshipping purposes.

20 • What I claim is:

1. A device of the character described, comprising side walls and end walls, hinges securing said side and end walls together, a bottom wall hinged to one of said side walls and adapted to extend below the opposite side wall, the meeting edges of said bottom wall and side wall to which it is connected being tapered, and a cover hinged at the upper edge of the opposite side wall and adapted to rest upon the other side wall, said cover and the side wall to which it is secured, having tapered meeting edges and means to secure the free edges of the bottom

wall and cover to their respective side walls, said tapered edges of one of said side walls and said bottom wall being adapted to cause said edges of said side wall and bottom wall to rest flush with each other, the tapered meeting edges of the top and the side wall to which it is connected disposing the same at a point flush with each other.

2. A device of the character described, comprising a pair of side walls, a pair of end walls, the end walls being greater in height than said side walls, hinges on the interior of the side and end walls to hold said side and end walls together, a bottom wall hinged to the lower edge of one of the side walls and adapted to rest between the end walls when closed, a cover hinged to the other side wall, the meeting edges of the cover and side wall to which it is secured being tapered, said cover being arranged between said end walls and flush with the upper edges of the latter, said end walls outstanding from the edges of the side walls and having their lower edges flush with the lower surface of the bottom wall.

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

GEORGE W. SHARP.

Witnesses:

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