(No Model.) 2 Sheets—Sheet 1.

W. HALL.

SHIPPING CRATE.

No. 568,137. Patented Sept. 22, 1896.

Fig. 1.

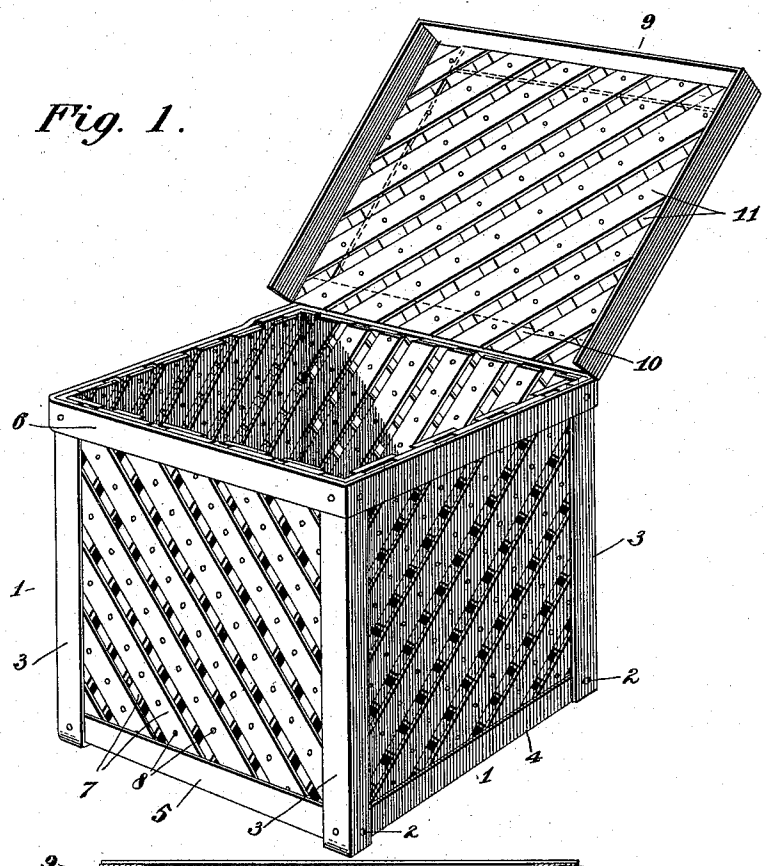
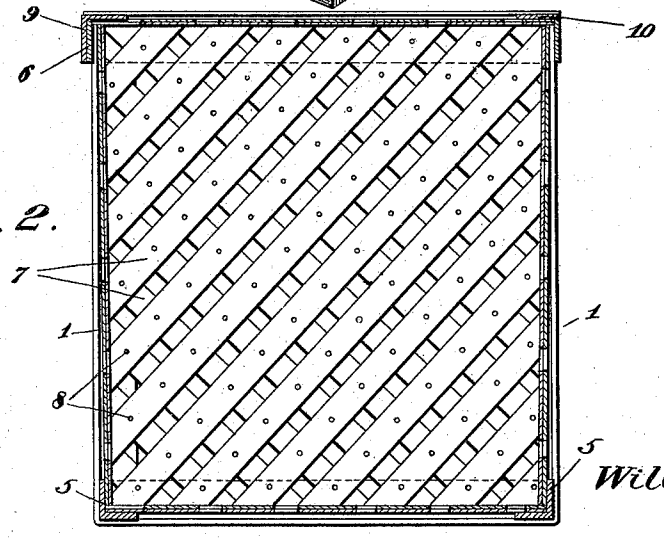


Fig. 2.



Inventor
Willis Hall.

Witnesses
L. C. Shumaker.
[illegible]

By *his* Attorneys,
C. A. Snow & Co.

(No Model.) 2 Sheets—Sheet 2.

W. HALL.

SHIPPING CRATE.

No. 568,137. Patented Sept. 22, 1896.

Fig. 3

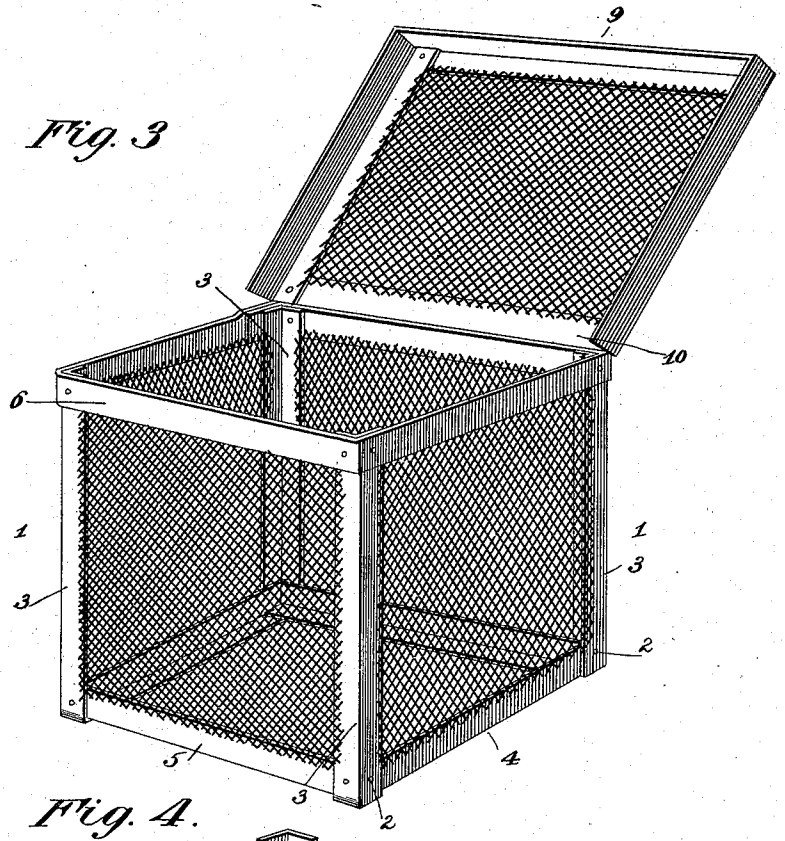


Fig. 4.

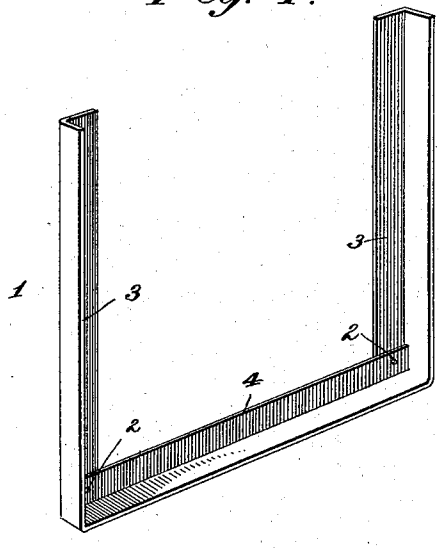
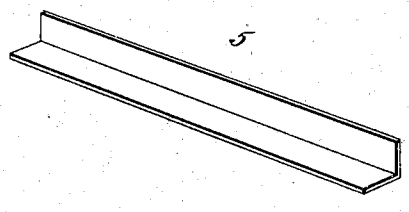


Fig. 5.



Inventor
Willis Hall.

Witnesses
G. C. Shoemaker.
C. E. Mayo.

By his Attorneys,
C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

WILLIS HALL, OF ANDING, MISSISSIPPI.

SHIPPING-CRATE.

SPECIFICATION forming part of Letters Patent No. 568,137, dated September 22, 1896.

Application filed June 21, 1895. Serial No. 553,572. (No model.)

To all whom it may concern:

Be it known that I, WILLIS HALL, a citizen of the United States, residing at Anding, in the county of Yazoo and State of Mississippi, have invented a new and useful Shipping-Crate, of which the following is a specification.

My invention relates to shipping-crates, and has for its object to provide a simple, durable, and inexpensive construction of crate adapted to withstand the rough usage to which such articles are subjected and designed to contain articles of various kinds usually shipped in ventilated or solid-walled crates.

Further objects and advantages of this invention will appear in the following description, and the novel features thereof will be particularly pointed out in the appended claim.

In the drawings, Figure 1 is a perspective view of a crate constructed in accordance with my invention. Fig. 2 is a vertical section of the same. Fig. 3 is a perspective view of a slightly-modified form of crate. Fig. 4 is a detail view in perspective of one of the U-shaped frame-sections. Fig. 5 is a view of one of the cross-sectionally angular or V-shaped cross-bars.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

The frame of the improved crate embodies U-shaped frame-sections 1, constructed of cross-sectionally angular or V-shaped bars bent at the lower corners of the crate and secured in such position by means of rivets 2, whereby the sides 3 of the U-shaped frame-sections are disposed perpendicular to the lower ends 4 thereof.

The U-shaped frame-sections are connected at the lower corners of the crate by opposite cross-sectionally angular or V-shaped cross-bars 5, the extremities of which are fitted in the angles formed between the lower ends and sides of the U-shaped frame-sections and are riveted in place. The upper ends of the arms of the U-shaped frame-sections are connected by a strap 6, of flat or sheet metal, having overlapping extremities and extending entirely around the upper edge of the crate. The intervals between the parts of the frame are filled to form the sides and bottom of the crate by means of inclined filling-bars 7, arranged to intersect at intervals and secured at the intersections by means of rivets 8 or similar fastening devices.

The cover of the improved crate is provided with a U-shaped frame-section 9, constructed substantially as above described in connection with the frame of the crate proper, the ends of the arms of said section 9 being connected by a cross-bar 10, which is hinged to one side of the crate-body. Filling-bars 11 are arranged within the frame of the cover. Any suitable means for fastening the crate-cover in its closed position may be employed.

In constructing the U-shaped frame-sections a blank equal in length to the sum of the lengths of the sides 3 and end 4 and equal in width to the perpendicularly-disposed wings or flanges of the sections is employed, and at the points where it is desired to bend the arms or sides 3 the blank is cut transversely inward from one edge a distance equal to the width of one of the flanges. This divides the cut flange into sections, which are bent up at right angles to the plane of the uncut or body portion of the frame-section, after which the blank is bent on the transverse lines (indicated by the above-mentioned cuts) to cause the contiguous extremities of said flanges to overlap.

In the modified form of my invention, which is illustrated in Fig. 3, the frame of the crate is constructed, as above described, of opposite U-shaped frame-sections connected at the bottom of the crate by means of cross-sectionally angular bars and at the top by a continuous strap, but in this instance the filling arranged in the openings between the parts of the frame is constructed of woven wire or its equivalent.

It will be understood that the improved crate may be made in any desired size, the weight of the material being varied to suit the size of the crate, and the interior thereof may be partitioned and provided with cells or removable boxes, as in the ordinary practice.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the spirit

or sacrificing any of the advantages of this invention.

Having described my invention, what I claim is—

A ventilated shipping-crate having a frame constructed of opposite U-shaped and cross-sectionally rectangular metallic frame-sections connected at their lower angles by cross-sectionally rectangular cross-bars and at their upper extremities by a continuous strap 6, the spaces between said parts of the frame being filled with suitable open-work or reticulated material, and a hinged cover having a frame consisting of a single U-shaped and cross-sectionally rectangular bar of which the horizontal flange is adapted to bear upon the upper edge of the strap 6 while the vertical flange closes around said strap, the cover being hinged at the extremities of the U-shaped bar forming its frame and being provided with suitable filling, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIS HALL.

Witnesses:
C. K. EXUM,
A. B. NEWMAN.