No. 671,204. Patented Apr. 2, 1901.

J. J. BENSON.

CRATE.

(Application filed Dec. 15, 1900.)

(No Model.)

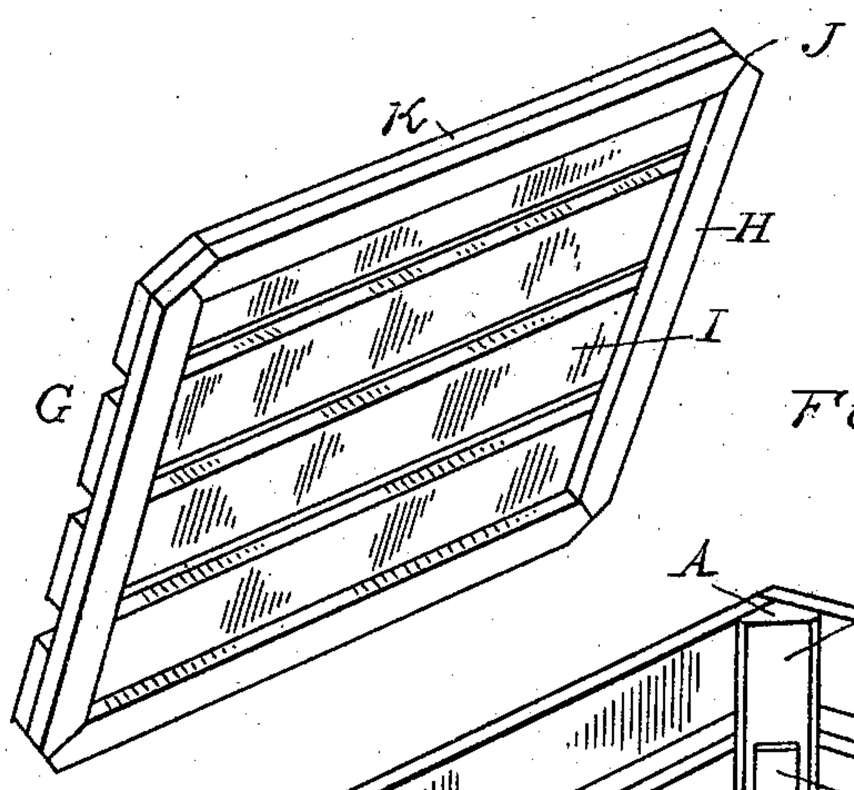


Fig. 1.

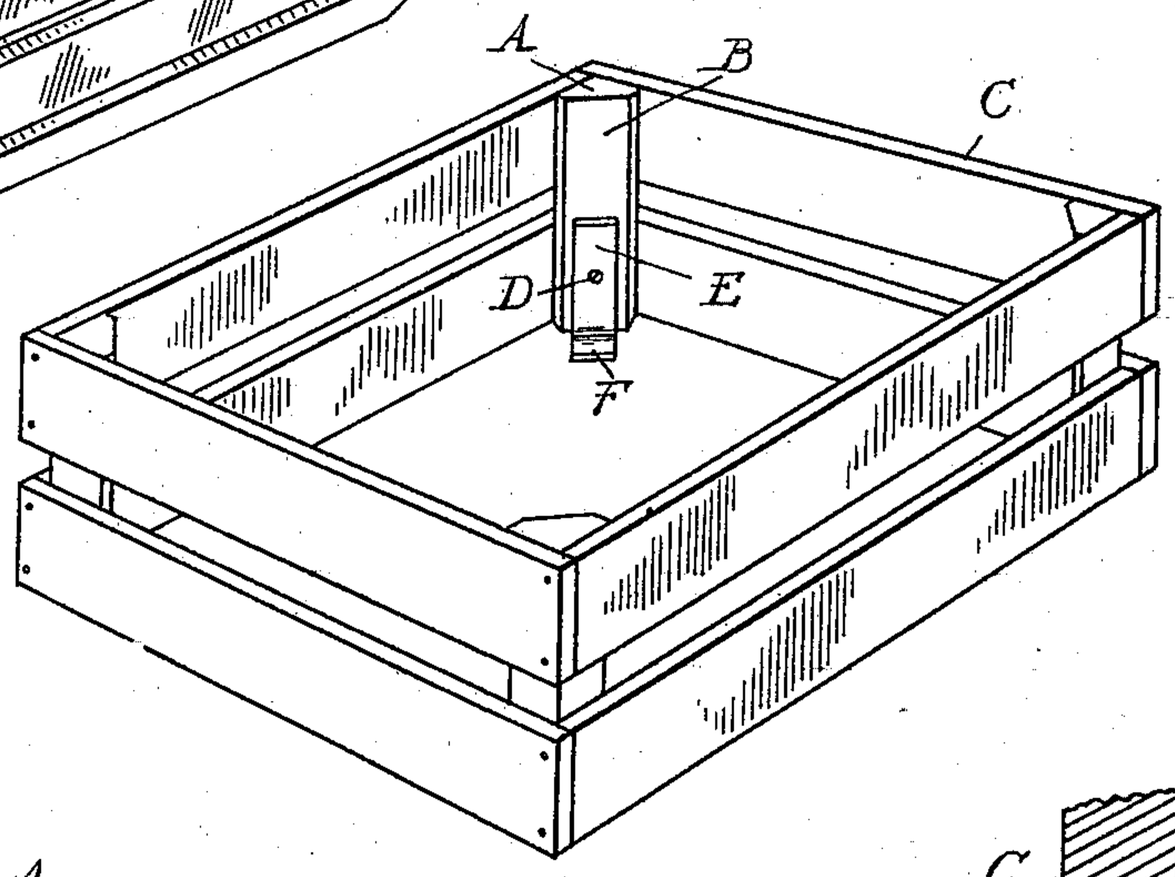


Fig. 2.

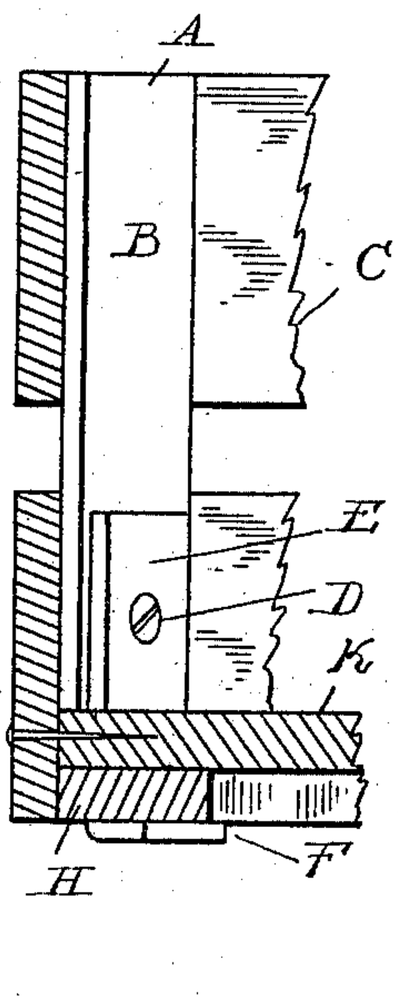
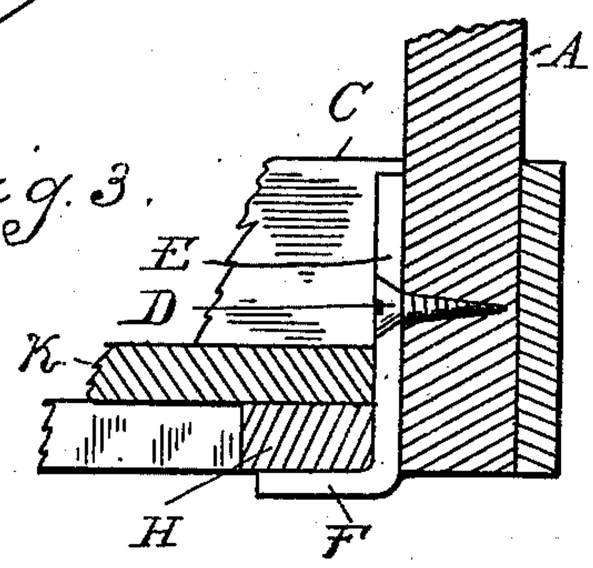


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

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CRATE.

SPECIFICATION forming part of Letters Patent No. 671,204, dated April 2, 1901.

Application filed December 15, 1900. Serial No. 40,039. (No model.)

To all whom it may concern:

Be it known that I, JOHN J. BENSON, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Crates, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates particularly to a packing-crate; and it consists in the construction thereof, and particularly in the novel formation of the bottom-section and in the means employed for securing said section to the crate sides, whereby a compact and rigid structure is obtained.

The invention further consists in the peculiar combination and arrangement of parts and in various details of construction, as will be hereinafter described, and shown in the drawings, in which—

Figure 1 is a perspective view of a crate with the bottom-section removed. Fig. 2 is a sectional view showing one of the supporting-hooks for the bottom-section in front elevation, and Fig. 3 is a similar section showing the hook in side elevation.

In the drawings the reference-letter A designates solid wooden corner-posts, preferably four in number and each triangular in configuration, the base-sections of the triangular posts extending inwardly, forming flat faces B, for the purpose hereinafter set forth.

C designates spaced slats secured to the posts in any suitable manner, forming the crate sides.

Attached by any suitable means, such as the screw D, to the beveled or flat face of each post and at the lower end of the latter is a rigid metallic hook E. The hooks, as shown, are L-shaped in configuration and are so arranged that the laterally and inwardly extending members F thereof project slightly below the post ends, for the purpose hereinafter set forth.

Supported upon the hooks described is the bottom-section G of the crate, the section being arranged between the sides of the latter and serving to brace the sides, thus forming a rigid structure. The section referred to is composed of a rectangular frame H, which rests directly upon the hooks, as shown in Figs. 2 and 3, and slats I, nailed or otherwise secured to the frame.

In order that the bottom-section may fit snugly between the crate sides and conform to the internal contour of the latter, the corners J of the frame are beveled to permit of their abutment against the flat faces on the posts. The slats K at the opposite sides of the frame are also beveled at the corners for the same reason, as indicated in Fig. 1. The bottom-section after being arranged in place upon its support may, if desired, be nailed to the crate, as indicated in Fig. 2.

It will be observed from the construction as thus set forth that the weight of the contents of the crate or the crate load is carried by the posts, which is a desirable construction for obvious reasons; also, the metallic hooks in addition to supporting the bottom-section serve as wear-irons for the crate by having their laterally-extending members projecting beneath the crate-bottom and below the posts. Thus the wear and tear upon the crate is reduced to a minimum and the life of the latter is prolonged.

What I claim as my invention is—

A packing-crate composed of solid wooden corner-posts triangular in configuration, spaced slats secured to the post sides, an L-shaped metallic hook secured to the inwardly-extending flat face of each post at the lower end of the latter, the lateral members of the hooks being arranged below the post ends and projecting inwardly therefrom, and a bottom-section between the crate sides and resting upon the hooks, said section consisting of a rectangular frame having beveled corners, abutting against the inner flat post-faces, and slats arranged across and secured to the frame.

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

JOHN J. BENSON.

Witnesses:
L. J. WHITTEMORE,
M. B. O'DOGHERTY.