(No Model.)

T. F. McBRIDE.

SHIPPING CRATE.

No. 598,431. Patented Feb. 1, 1898.

Fig. 1.

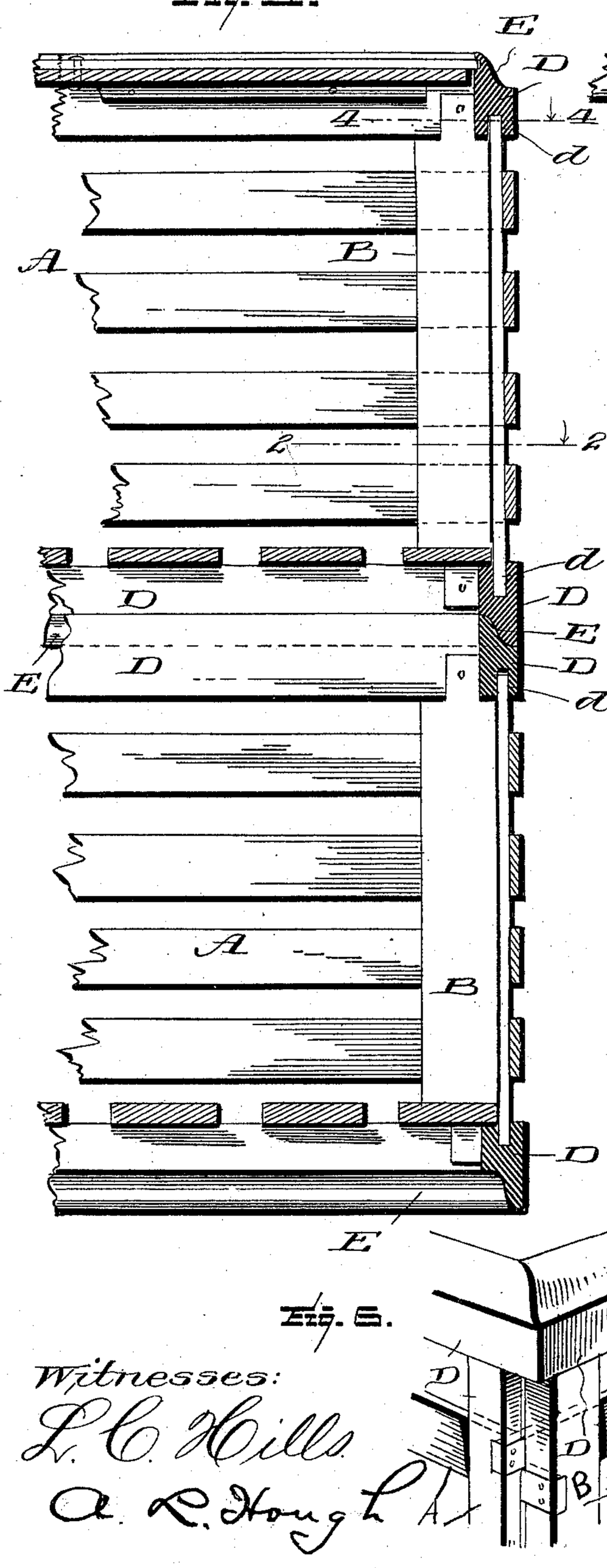

Fig. 2.

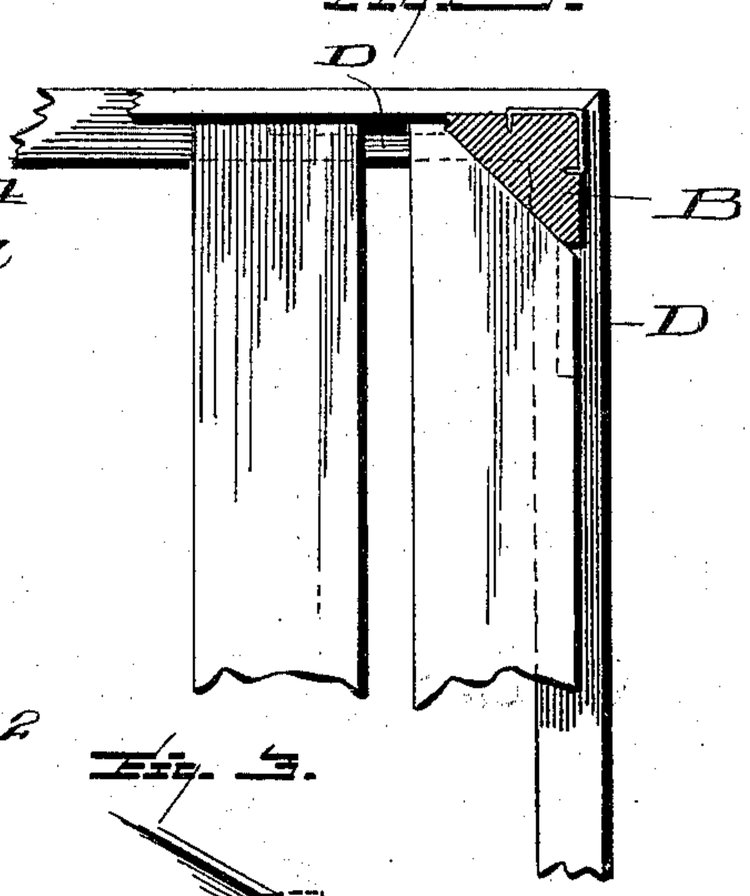

Fig. 3.

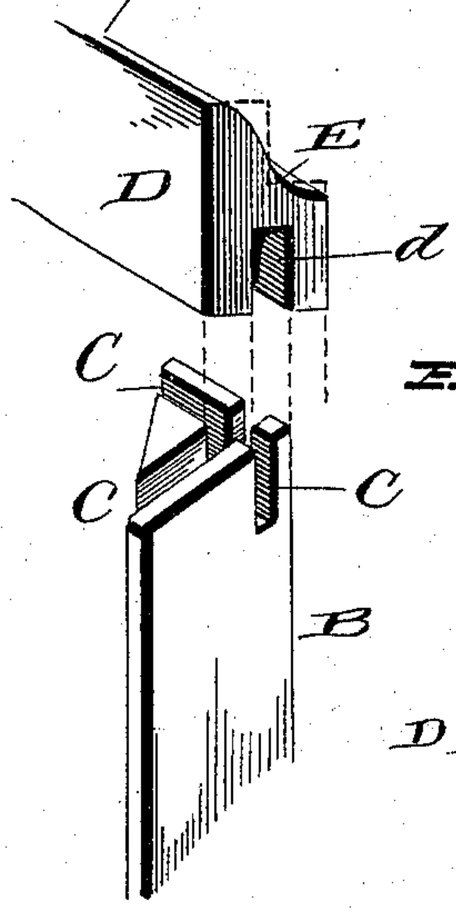

Fig. 4.

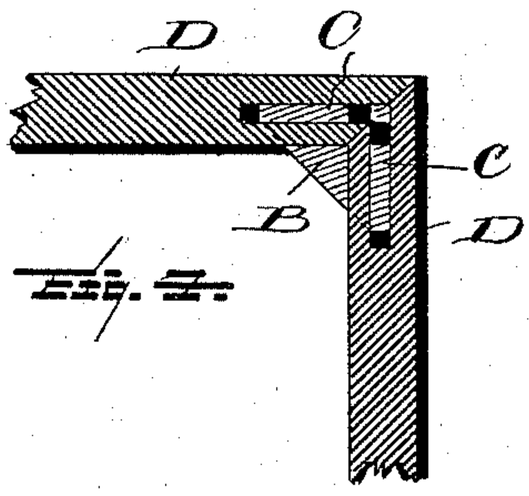

Fig. 5.

Fig. 6.

Witnesses:
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UNITED STATES PATENT OFFICE.

THOMAS F. McBRIDE, OF CLINTON, NEW YORK.

SHIPPING-CRATE.

SPECIFICATION forming part of Letters Patent No. 598,431, dated February 1, 1898.

Application filed March 30, 1897. Serial No. 629,964. (No model.)

To all whom it may concern:

Be it known that I, THOMAS F. McBRIDE, a citizen of the United States, residing at Clinton, in the county of Oneida and State of New York, 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.

This invention relates to shipping-crates, and especially to a crate which is adapted to be built up by superimposing one section upon another in such a manner that the various sections will be prevented from shucking about when being shipped, and forming when piled up a series of crates with their sides flush without any projections about the meeting edges.

A further part of the invention resides in the peculiar construction of the joints between the various sections, each upper and lower edge of a crate-section being an ogee-joint, and, further, of the peculiar construction of the corners of the crate-sections which are reinforced at each end thereof by means of double tenons.

To these ends and to such others as the invention may pertain the same consists, further, in the novel construction, combination, and adaptation of the parts, as will be hereinafter more fully described, and then specifically defined in the appended claim.

I clearly illustrate my invention in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which drawings similar letters of reference indicate like parts throughout the several views, in which—

Figure 1 is a vertical section through a series of superimposed crates. Fig. 2 is a sectional view through one of the corners of the crate, showing the double tenon and manner of fastening at the corners. Fig. 3 is an enlarged detail view of one of the corner-posts, showing the rim disconnected. Fig. 4 is a sectional view through the upper portion of a corner. Fig. 5 is a sectional view of detail of a modified form of connecting-rims. Fig. 6 is a modified form of construction of corner of a crate.

Reference now being had to the details of the drawings by letter, A designates a section of the crate which is made up of the corner-posts B, each of which at each of its ends has double tenons C, which are designed to engage in the recesses *d* in the edges of the strips D, as shown in the drawings, and by which construction it will be apparent that a rigid corner is produced thoroughly braced from both sides. If preferred, angle-irons or metallic straps may be utilized to further strengthen the corners.

The upper and lower strips D of each crate-section has its edges cut to form, with the adjacent edge of a crate-section, an ogee or other joint, as seen at E, whereby when the sections or crates are superimposed on one another the outer and inner sides of the strips D will be perfectly flush, and at the same time will form a joint which will produce a rigid and compact pile of the crates.

Suitable covers for the crate-sections may be provided having retaining-strips which are pivoted to each cover, the ends of which strips are designed to engage in recesses on the inner faces of the strips D, and, if desired, corner-braces may be employed to further strengthen the crates.

In Fig. 5 I have shown a slight modification in the construction of the corners of the crates when they are adapted for use in shipping berry-baskets or other boxes, in which case it is desirable to dispense with the angular corner-posts having the tenons. In this view two corner-posts are employed, into the sides of which are mortised the slats of the crate, but the top meeting edges are formed with the peculiar ogee or other joint, as before described.

It is my intention not to confine my crate to the ogee-joint, but to make it angular, as shown in the detail view.

Having thus described my invention, what I claim to be new, and desire to secure by Letters Patent, is—

In a shipping-crate, the combination with the double corner-posts, the rims D having their free, longitudinal edges in ogee outline, and recessed on their opposite edges, to receive the upper tenon ends of the said posts, the slats A having their ends secured in mortises in the faces of the posts at right angles to each other, one of the said ends designed to rest on the other, substantially as shown and described.

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

THOMAS F. McBRIDE.

Witnesses:
H. W. MAHAN,
CHARLES T. IVES.