

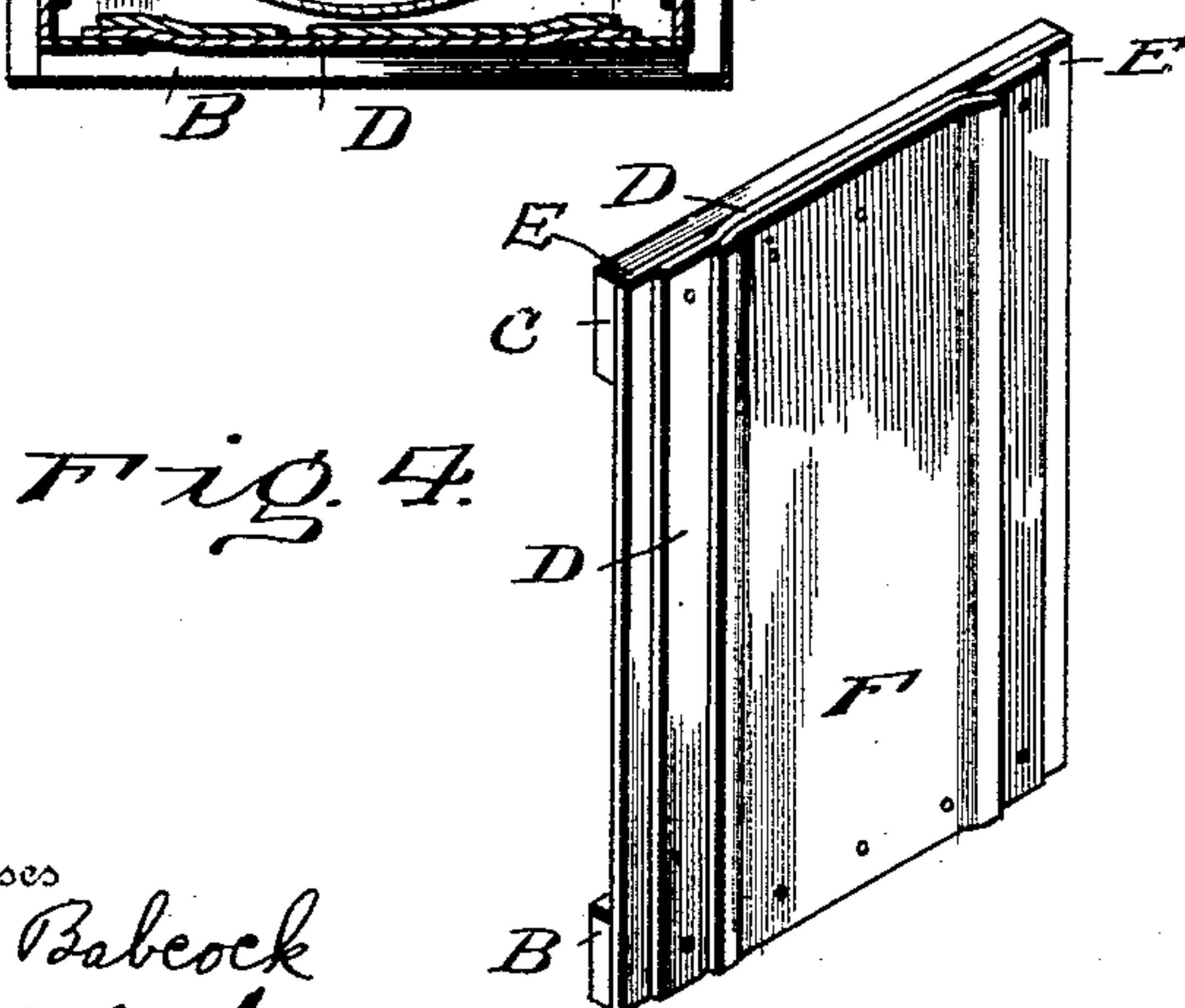
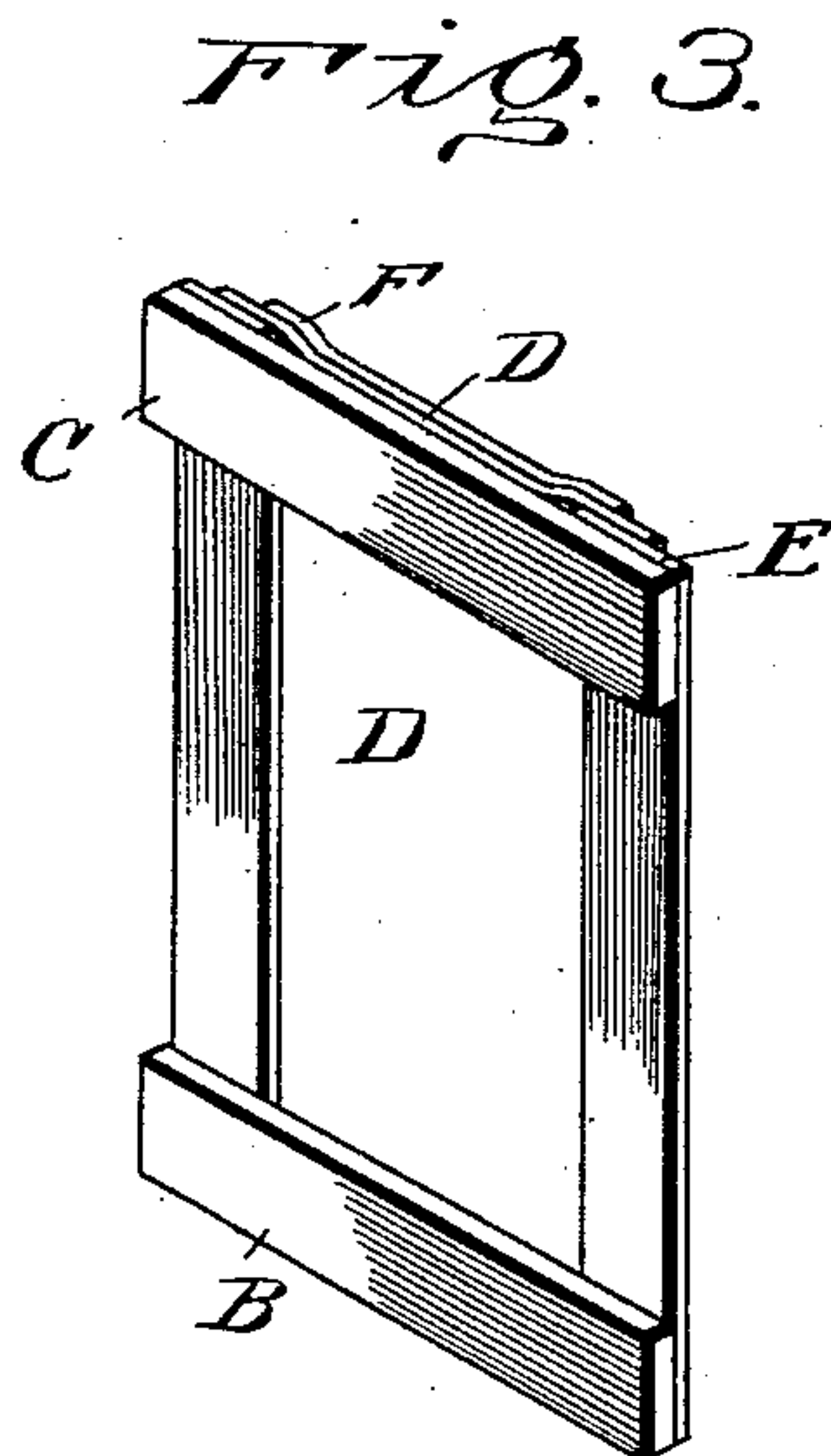
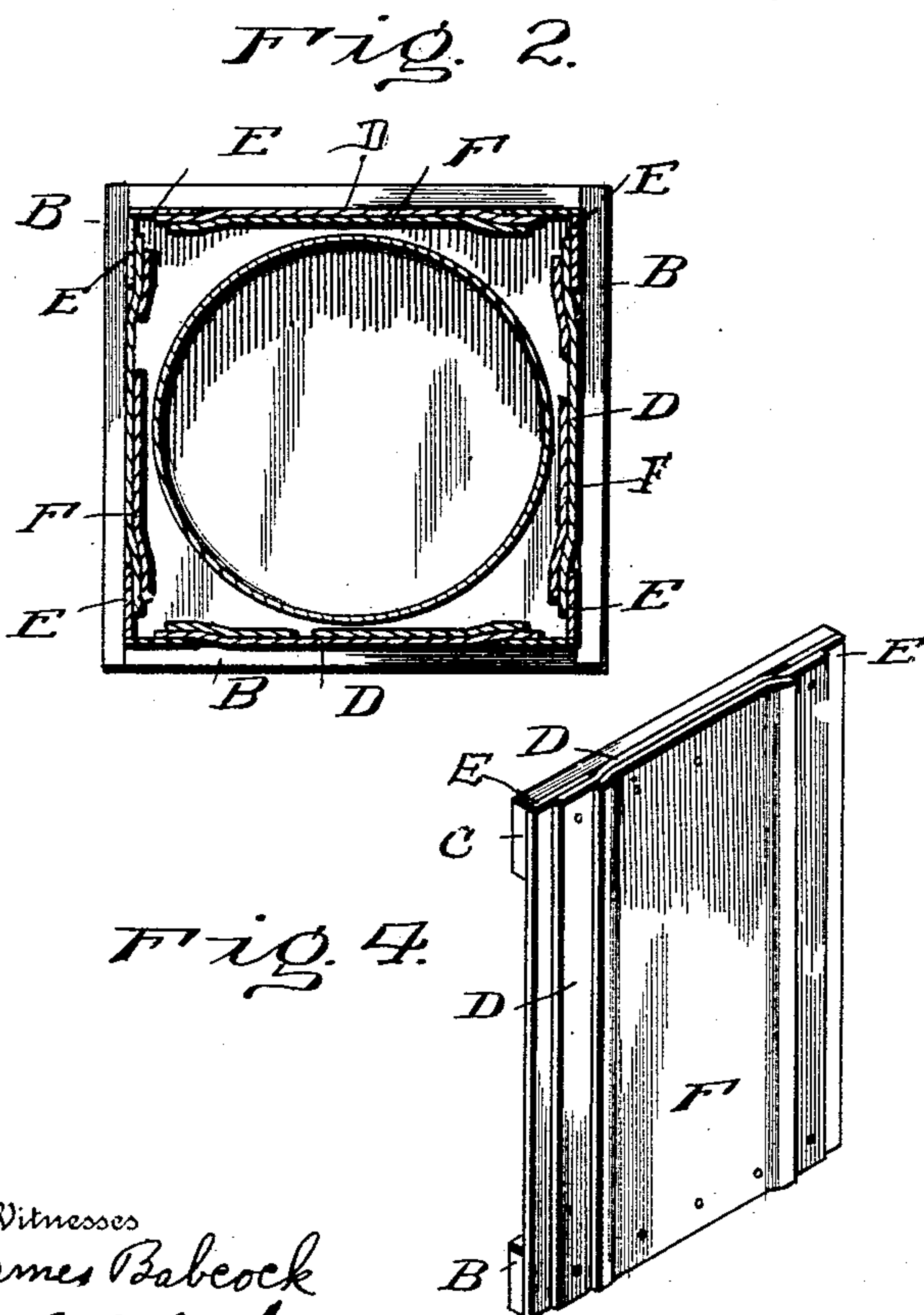
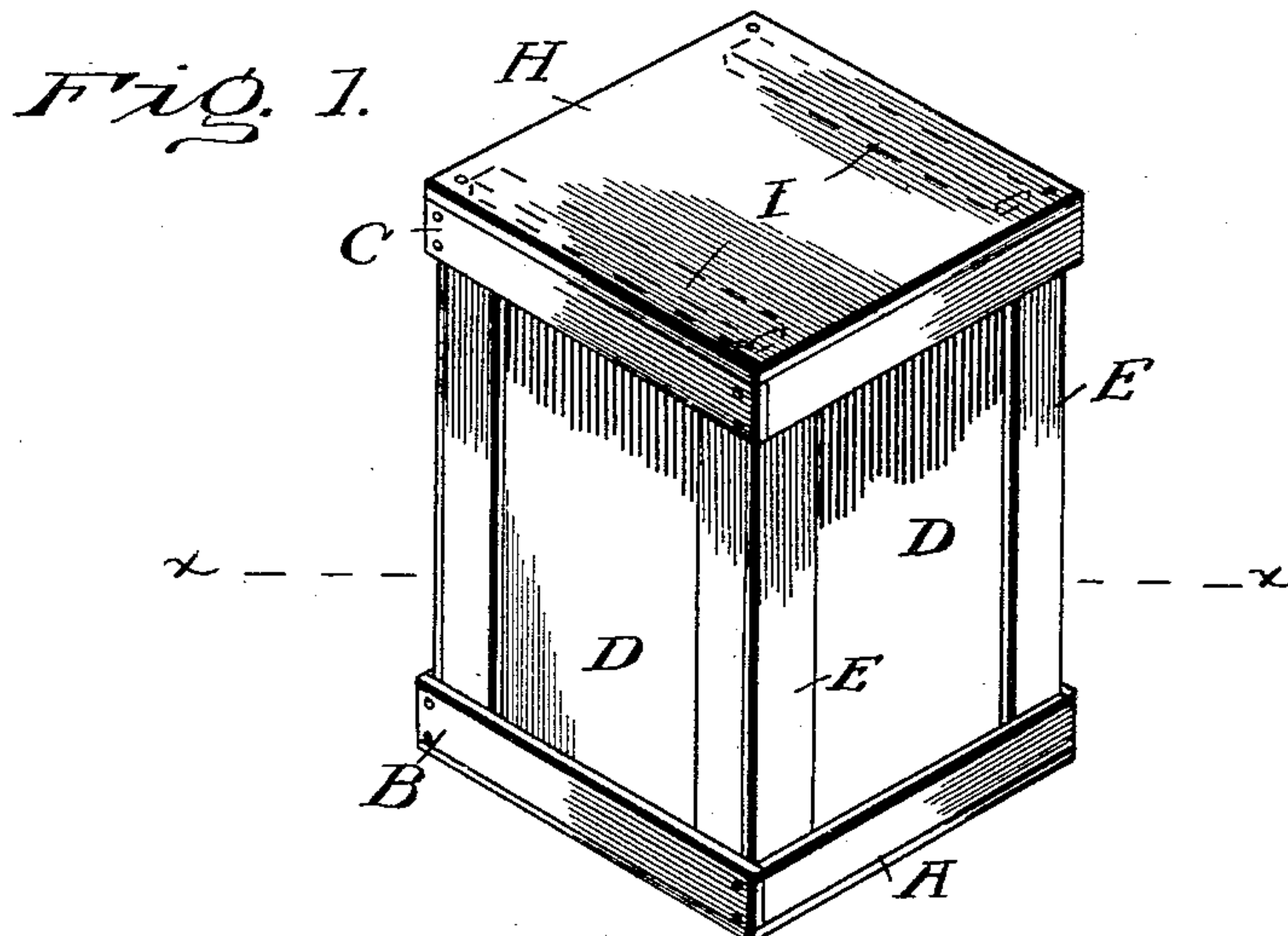
No. 684,380.

Patented Oct. 8, 1901.

G. J. RECORD.
WOODEN BOX.

(Application filed June 1, 1901.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

GEORGE J. RECORD, OF CONNEAUT, OHIO.

WOODEN BOX.

SPECIFICATION forming part of Letters Patent No. 684,380, dated October 8, 1901.

Application filed June 1, 1901. Serial No. 62,739. (No model.)

To all whom it may concern:

Be it known that I, GEORGE J. RECORD, a citizen of the United States, residing at Conneaut, in the county of Ashtabula and State of Ohio, have invented certain new and useful Improvements in Wooden Boxes; 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 wooden boxes having their sides made of veneers; and its chief objects are to guard against warping at the corners, to permit the utilization of broken pieces of material as a reinforce, and to provide a satisfactory and cheap inclosure for cans and similar articles having no openings in its sides and being more convenient and more durable than a crate.

To this end my invention consists in the construction and combination of parts hereinafter more particularly set forth and claimed.

In the accompanying drawings, Figure 1 represents a perspective view of a box embodying my invention. Fig. 2 represents a transverse section through the middle of the same looking downward. Fig. 3 represents an elevation of one of the side sections detached, the view being taken from the outside; and Fig. 4 represents a similar view from the inside.

A designates the base of the box or bottom aforesaid. B designates four horizontal wooden strips raised on edge at the four edges of said bottom and fastened thereto, constituting the bottom frame; C, four similar strips constituting a top frame, and D four strips of veneer nailed to these top and bottom frames and of sufficient breadth to almost entirely cover the sides of the box. Hitherto much trouble has been experienced from the warping of such veneers at the box-corners, leaving openings there and making the box unsightly and insecure. To guard against this defect, I provide each of the veneers D at each of its side edges with a vertical strip E, of thin material, preferably wood, which is interposed between the said frame-pieces B and C and the said veneer, the lateral parts of said veneer

being bent over them and fastened to them by tacks or small nails, which pass through into the parts B and C aforesaid, tightly securing the three layers of material together. The middle part of the veneer bends outwardly, fitting snugly against the parts B and C. With this construction it is impracticable for the veneer to warp so as to expose any openings at the corners of the box. The vertical strips E of the several box-sections are in contact with each other, closing the corners completely. The pieces B of two sides of the box are longer than the other two pieces, so as to make neat corners externally, and the pieces C are similarly constructed to make neat corners.

I provide the veneers D with inner bracing-pieces F, wherein may be utilized the waste broken ends of veneer which are very common where this material is used in manufacture and which hitherto have been thrown away as of no value. Such utilization is especially illustrated in Fig. 2, which shows the bracing-veneers F composed of waste broken ends on two sides of the box, while each of those on the other sides is a continuous piece. These bracing-strips are not visible from the outside of the box nor exposed in any way and answer perfectly both for strengthening the outwardly-bent middle parts of the veneer D and for contact with the can inclosed within the box. Each large can usually has its box; but of course the same construction may be adopted for the compartments or cells of boxes adapted to hold a number of cans.

H designates the cover of the box and is provided on its under side with horizontal strips or cleats I, which fit snugly within the top frame aforesaid and against the upper parts of the aforesaid reinforcing-strips on opposite sides of the box. The said top or cover H rests against the said upper frame and is nailed to the strips or bars C thereof.

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

In a wooden box the combination of veneer sides and top and bottom frame with vertical strips interposed between said veneers and

said frames at the corners of the box, said veneers being bent over said strips and against the said frame, and bracing-pieces of veneer which are fitted against the inner faces of the
5 said veneer sides to reinforce the same, the said parts being properly secured in place substantially as set forth.

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

GEORGE J. RECORD.

Witnesses:

S. C. ANDREWS,
V. J. CRAYTOR.