

(No Model.)

H. C. UNDERWOOD.

FOLDING BOX.

No. 295,311.

Patented Mar. 18, 1884.

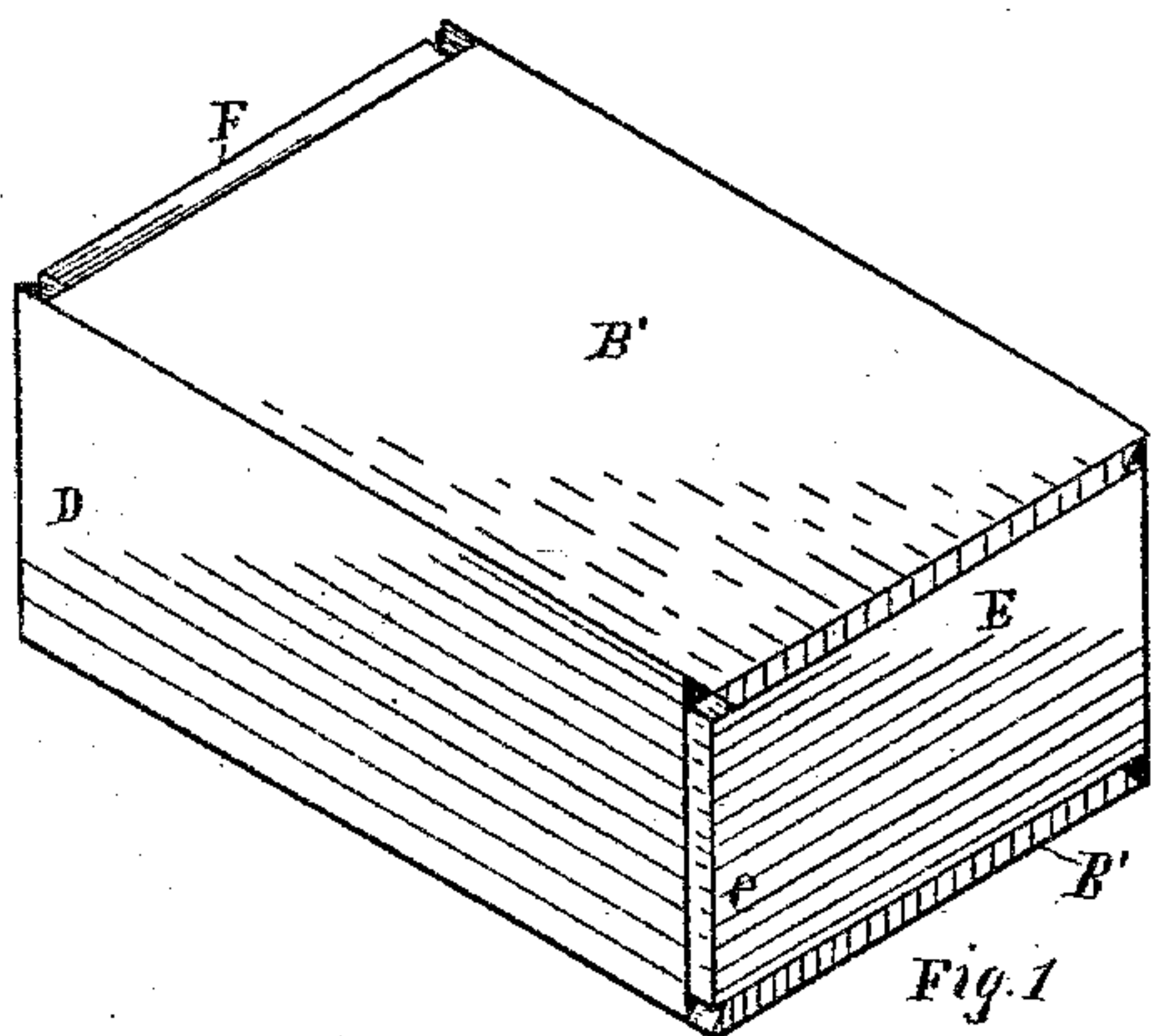


Fig. 1

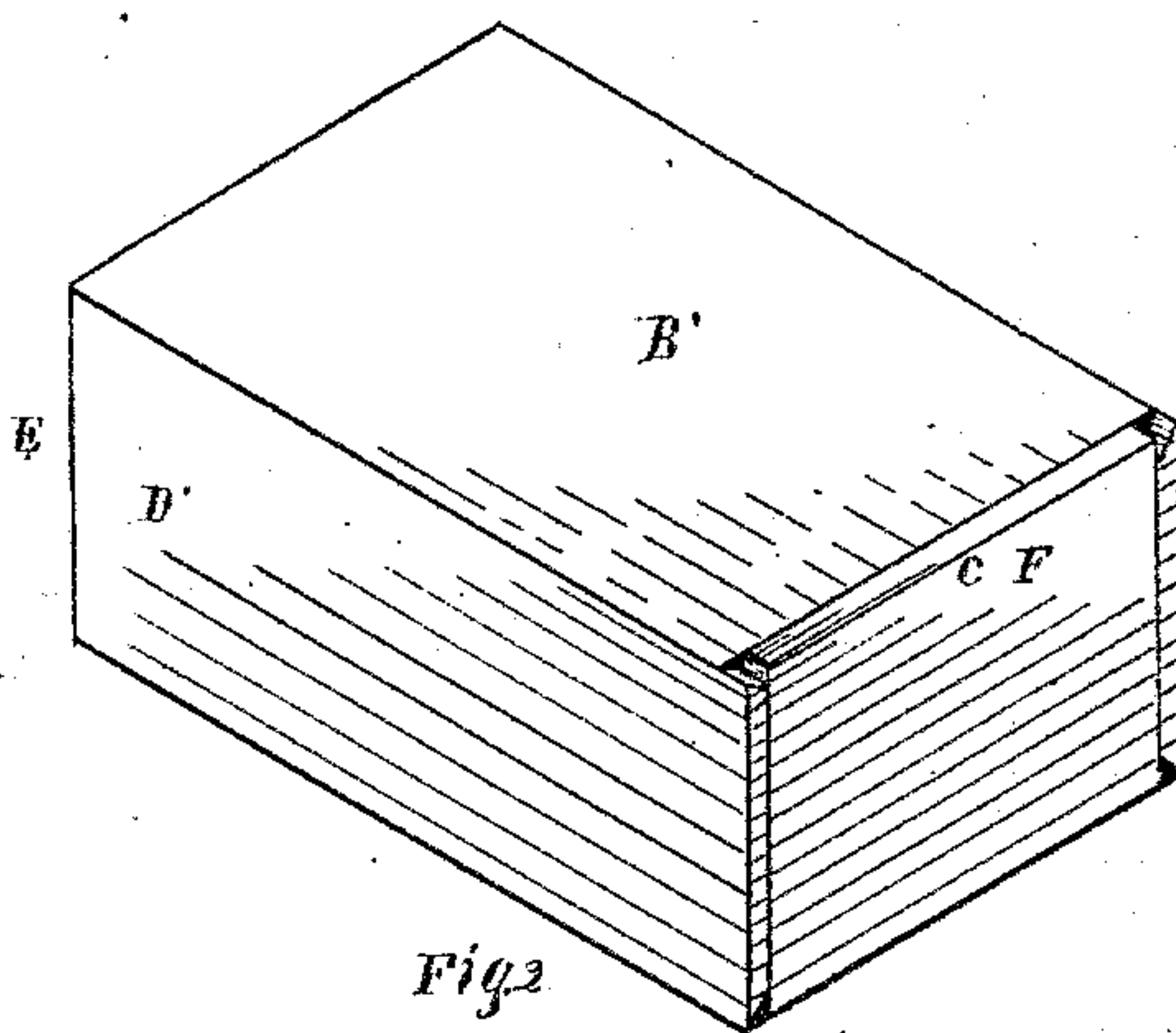


Fig. 2

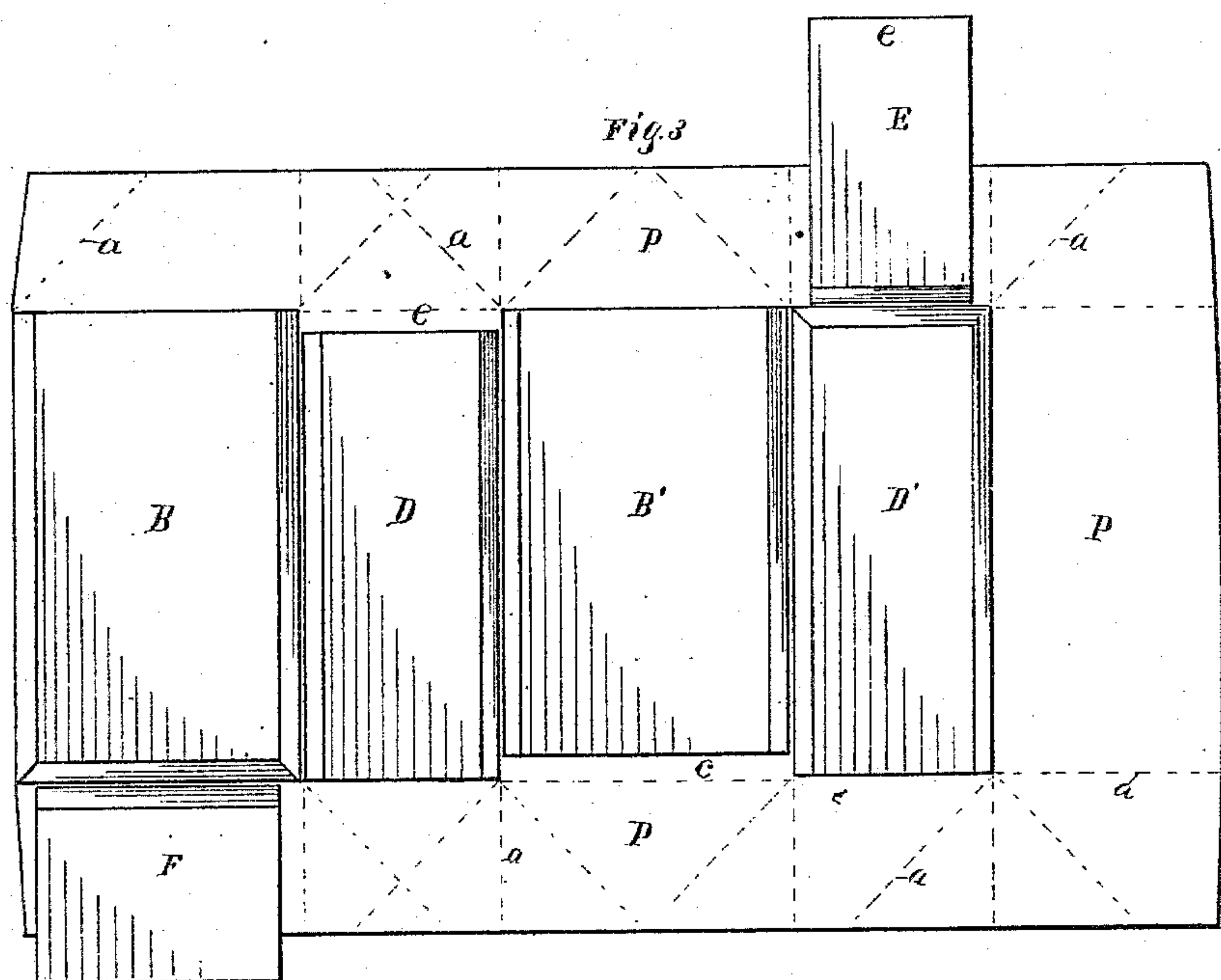


Fig. 3

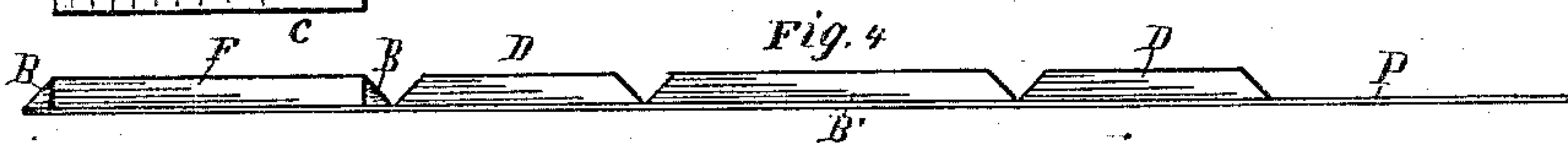


Fig. 4

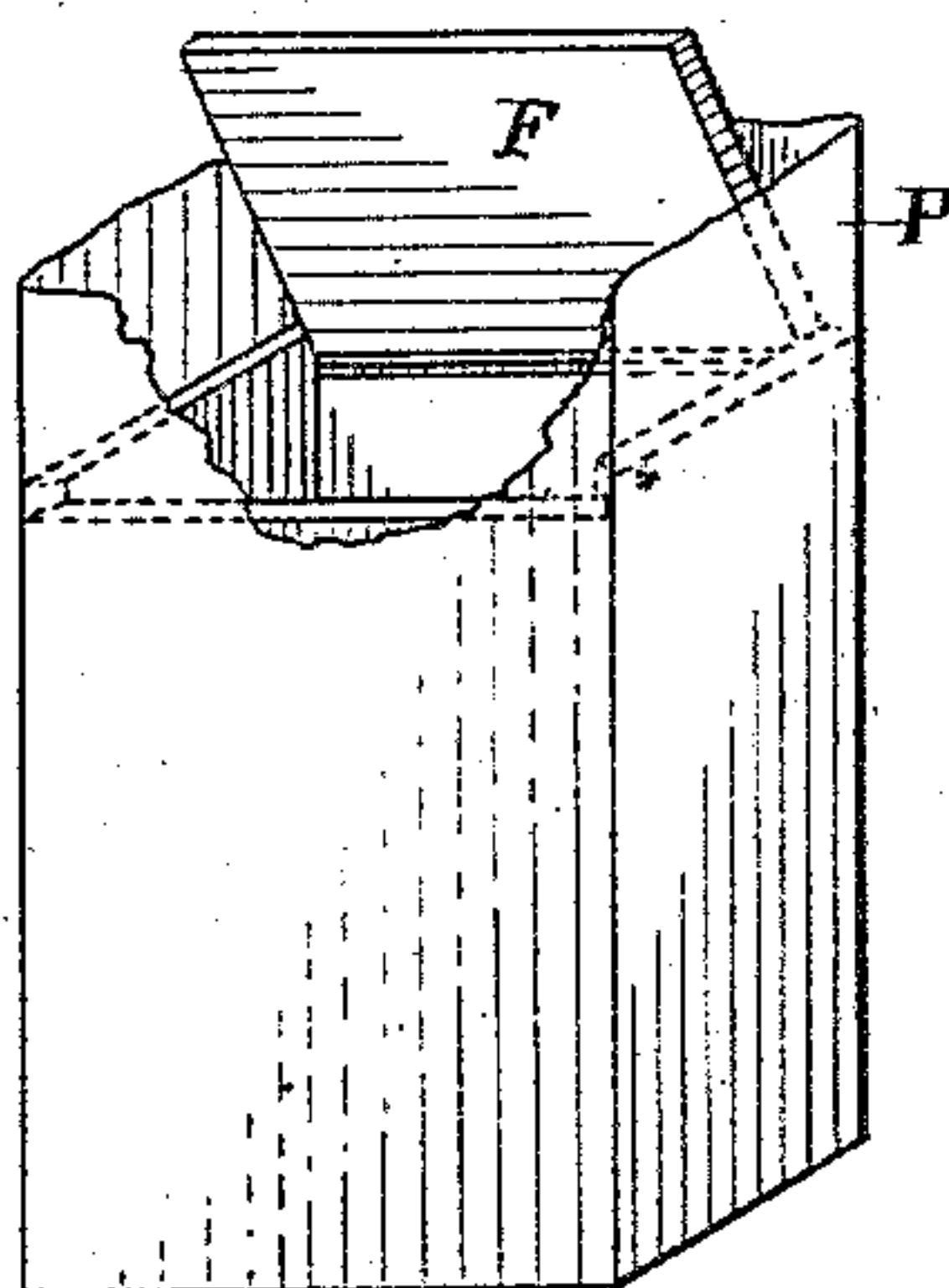


Fig. 5

Attest.

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H. CHANNING UNDERWOOD, OF KALAMAZOO, MICHIGAN.

FOLDING BOX.

SPECIFICATION forming part of Letters Patent No. 295,311, dated March 18, 1884.

Application filed July 17, 1883. Renewed February 21, 1884. (No model.)

To all whom it may concern:

Be it known that I, H. CHANNING UNDERWOOD, a citizen of the United States, residing at Kalamazoo, county of Kalamazoo, State of Michigan, have invented a new and useful Folding Box, of which the following is a specification.

My invention has for its object an improved construction in folding boxes.

A general construction of the device consists in a flexible wrapper of paper or other suitable material and separately-constructed pieces of wood or other proper substance, constituting the several inclosures of the box, all so formed, arranged, and secured to said wrapper that, when folded, they brace each other against external pressure on the box, and forming a very serviceable and conveniently-operated box, and one which is readily accessible to examine the contents.

In the drawings forming a part of this specification, Figures 1 and 2 show the folded box in perspective with the wrapper removed, presenting each end of the device to view; Fig. 3, a plan view of the pieces properly arranged and secured to a flexible wrapper; Fig. 4, an edge view of Fig. 3, looking from a point below the figure; and Fig. 5, the complete box in perspective, showing mode of opening to examine contents.

Calling the upper side, B', in Figs. 1 and 2 the top of the box, for the sake of convenience in description, the top piece, B', and the side piece D are made the same length, with their side edges on one face of the pieces beveled, as in Figs. 3 and 4, and the ends blunt. The top piece, B', and the bottom piece, B, are of a like width. The bottom piece, B, and the side piece D' are of the same length, with the sides beveled as above described regarding the other pieces, and the opposite end of each as well. The two side pieces are alike in width. The pieces D B' are as much shorter than the pieces B D' as the thickness of the end pieces, E F. One side of the end pieces is beveled the same as the other pieces, Fig. 3.

In lieu of beveling the edges of the pieces contiguous to each other, other styles of matched jointing may be adopted, if deemed more practicable.

The end pieces, E F, are of such a size in re-

lation to the other pieces that when the pieces are all folded, as in Figs. 1 and 2, one end, E, will brace the top B' and bottom B against external pressure, and the other end, F, will brace the sides D D' in like manner.

P P illustrate the flexible wrapper, substantially rectangular in form, and larger than the surface of the box.

In Fig. 3 the pieces are all secured to the wrapper where they come in contact therewith, and in the relation shown in said figure. The pieces D B' are lapped, leaving a space, c, for the end c of the end piece F, and a space, e, to receive the end e of the end piece E, when the box is folded, as in Figs. 1 and 2.

When the box is folded, the edge of the wrapper may be sealed and the ends folded in, as indicated by dotted lines a a. These ends may be sealed, as the wrapper may be held by a cord or rubber band.

By unfolding one end of the wrapper, as in Fig. 5, the end pieces may be raised with the finger and the contents readily examined.

Great convenience is effected in shipping such boxes in quantities, as they can be closely packed in their unfolded state, thus saving storage-room.

Having thus described my invention, what I claim as new is—

1. A folding box consisting of separate pieces constituting the several inclosures of the box, all arranged in the relation to each other shown, and secured to a flexible wrapper, the engaging edges of said pieces forming joints with matched surfaces, substantially as set forth.

2. A folding box consisting of a flexible wrapper and separate pieces forming the several inclosures of the box, one end piece being adapted to brace the side inclosures, and the other end piece adapted to brace the top and bottom inclosures, substantially as described and shown.

In testimony of the foregoing I have hereunto subscribed my name in the presence of two witnesses.

H. CHANNING UNDERWOOD.

Witnesses:

M. R. GARDNER,
J. H. GUTCHESS.