

No. 776,942.

PATENTED DEC. 6, 1904.

G. H. RICE.  
BOX.

APPLICATION FILED MAY 7, 1904.

NO MODEL.

Fig. 1.

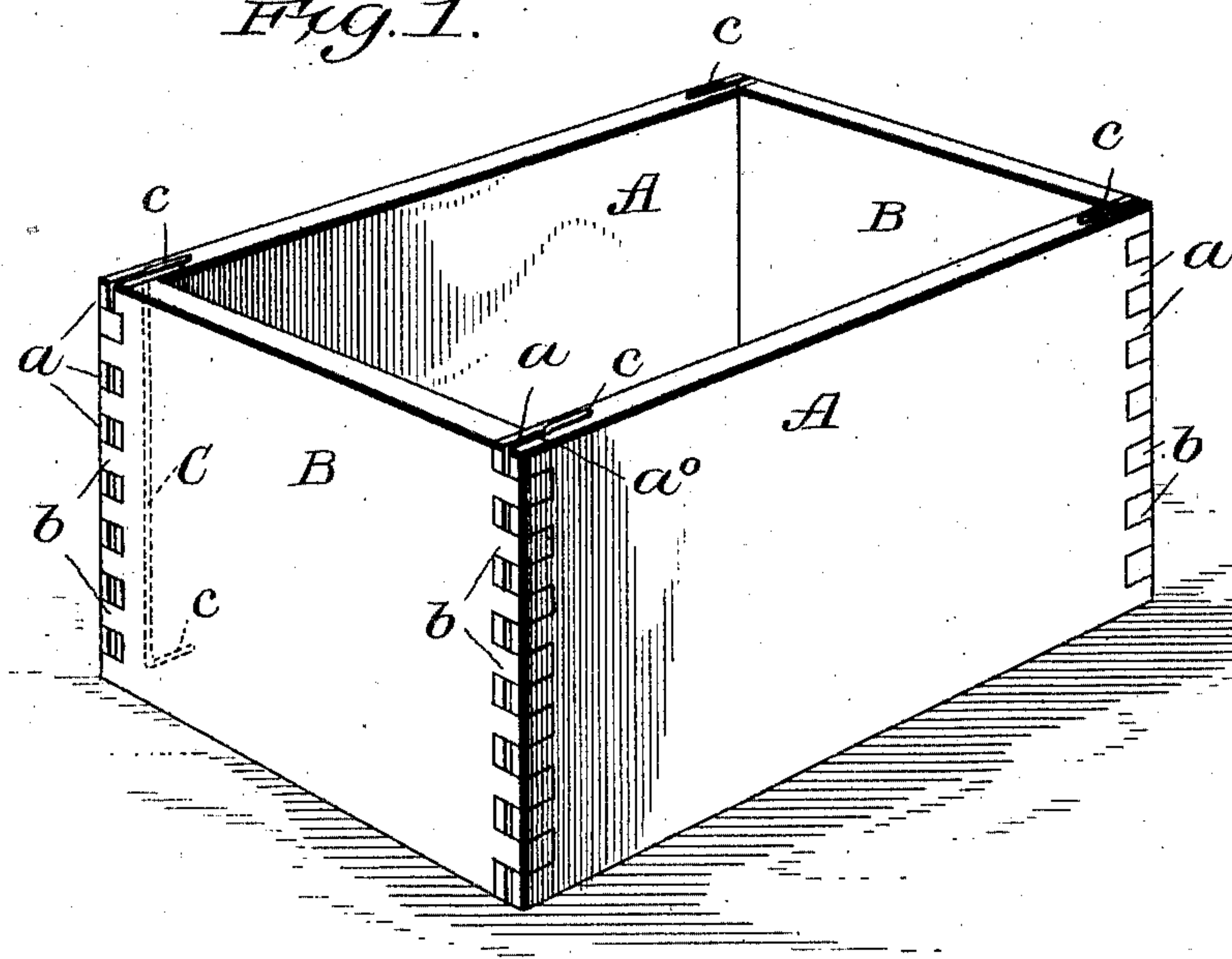


Fig. 2.

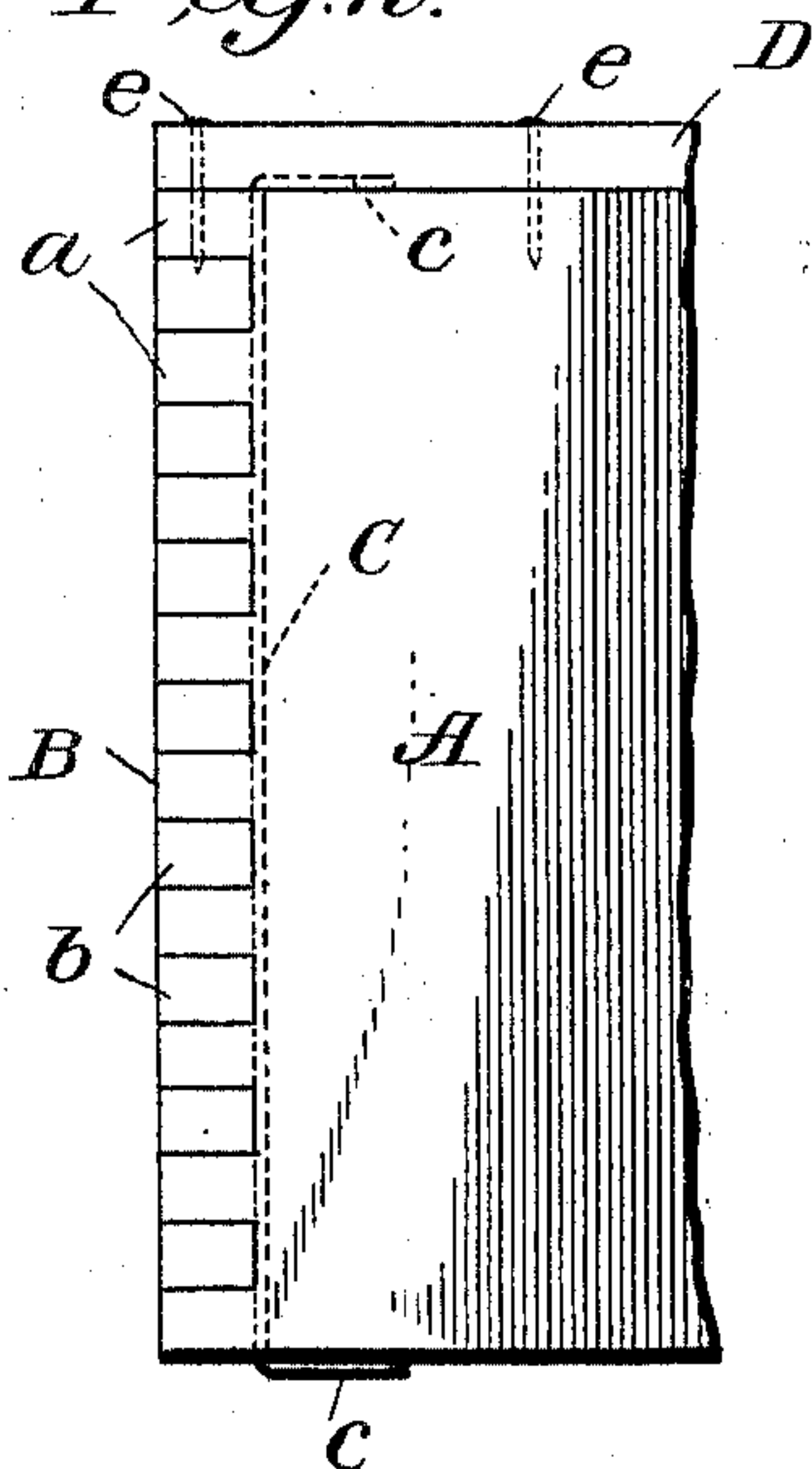
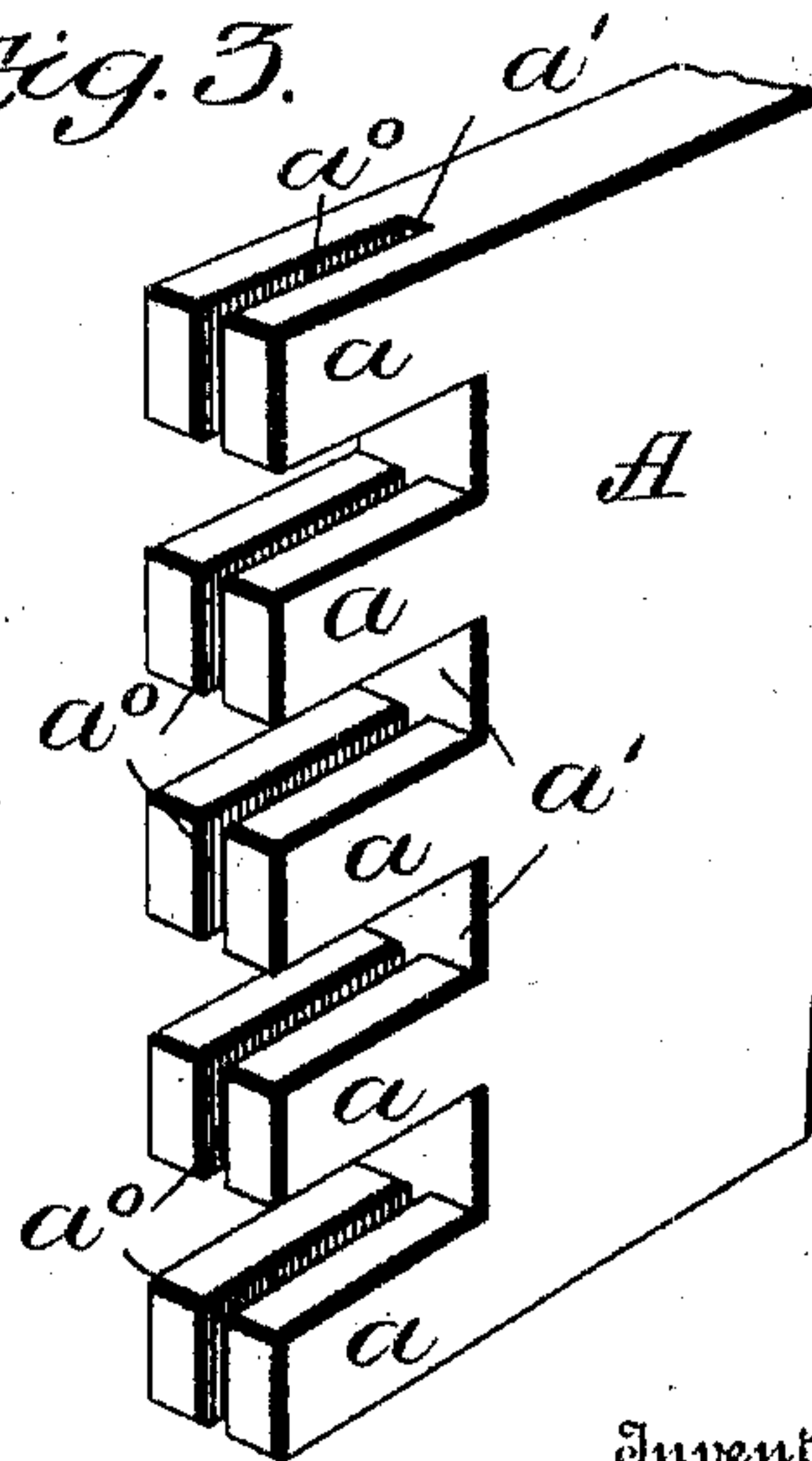


Fig. 3.



Inventor

Witnesses

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# UNITED STATES PATENT OFFICE.

GEORGE H. RICE, OF GREENBAY, WISCONSIN.

## BOX.

SPECIFICATION forming part of Letters Patent No. 776,942, dated December 6, 1904.

Application filed May 7, 1904. Serial No. 206,949. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE H. RICE, a citizen of the United States, residing at Greenbay, in the county of Brown and State of Wisconsin, have invented certain new and useful Improvements in 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.

My invention relates to an improved box so strengthened at the corners that the box may be made of thin light material and the strengthening-pieces so inserted that the box may be cheaply and quickly constructed and will not split or break at the edges.

My invention will be understood by reference to the accompanying drawings, in which the same parts are indicated by the same letters throughout the several views.

Figure 1 is a perspective view of the four sides of the box assembled, but before the top and bottom are fastened on. Fig. 2 is a side elevation of the box, showing the top fastened in place, but the bottom omitted. Fig. 3 is a perspective view showing the grooves and tenons of one of the side pieces of the box.

The body of the box is composed of two side pieces A and two end pieces B, which have interpenetrating tenons *a* and *b*, adapted to be glued together after assembling, as well known in the art. Through one of these series of tenons at *a* a vertical groove *a'* is sawed, terminating at the flat portion *a'* at the base of the tenon *a*. Into this groove *a'* the wire C is pressed and the ends *c* of said wire are bent over. After the wires have been inserted, as stated, the end pieces B are forced in place, compressing the wood over the wires, the rough ends of the tenons are sawed off, and then the bottom and top are nailed on.

In Fig. 2 the top D is shown as fastened in place by the nails *e*. It will be seen that the top and bottom will hold the wires against

being drawn through in either direction and that the wires will strengthen the corners of the boxes and will prevent the corners from splitting. It will be preferable to glue the corners in the usual way; but this may be omitted, if desired. It will be obvious that the slot may be cut in the tenon *b*, if so desired, instead of in the tenon *a*, as indicated at *a'*. By this mode of construction the wires may be easily inserted and the corners of the boxes are greatly strengthened. As a consequence of this improved result thinner boards may be used for the boxes, thus effecting a saving both in cost of materials and in weight. Moreover, an inferior grade of lumber may be used for the boxes, while still maintaining the requisite strength at the corners.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. A box provided with side pieces and tenons adapted to interlock, all the members of one interlocking set of tenons being slotted longitudinally, and the members of the other set of interlocking tenons being solid, and a wire held in the base of said slot beneath the solid tenons and having its projecting ends bent over, substantially as described.

2. A box provided with side pieces and tenons adapted to interlock, all the members of one interlocking set of tenons being slotted longitudinally, and the members of the other set of interlocking tenons being solid, and a wire held in the base of said slot beneath the solid tenons and having its projecting ends bent over, with top and bottom pieces fastened on the box locking the ends of said wire, substantially as described.

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

GEORGE H. RICE.

Witnesses:

ROY B. CASE,  
ANNETTE CLEMETSON.