

No. 695,677.

Patented Mar. 18, 1902.

J. E. FARIS.

BOX.

(Application filed Nov. 14, 1901.)

(No Model.)

Fig. 1.

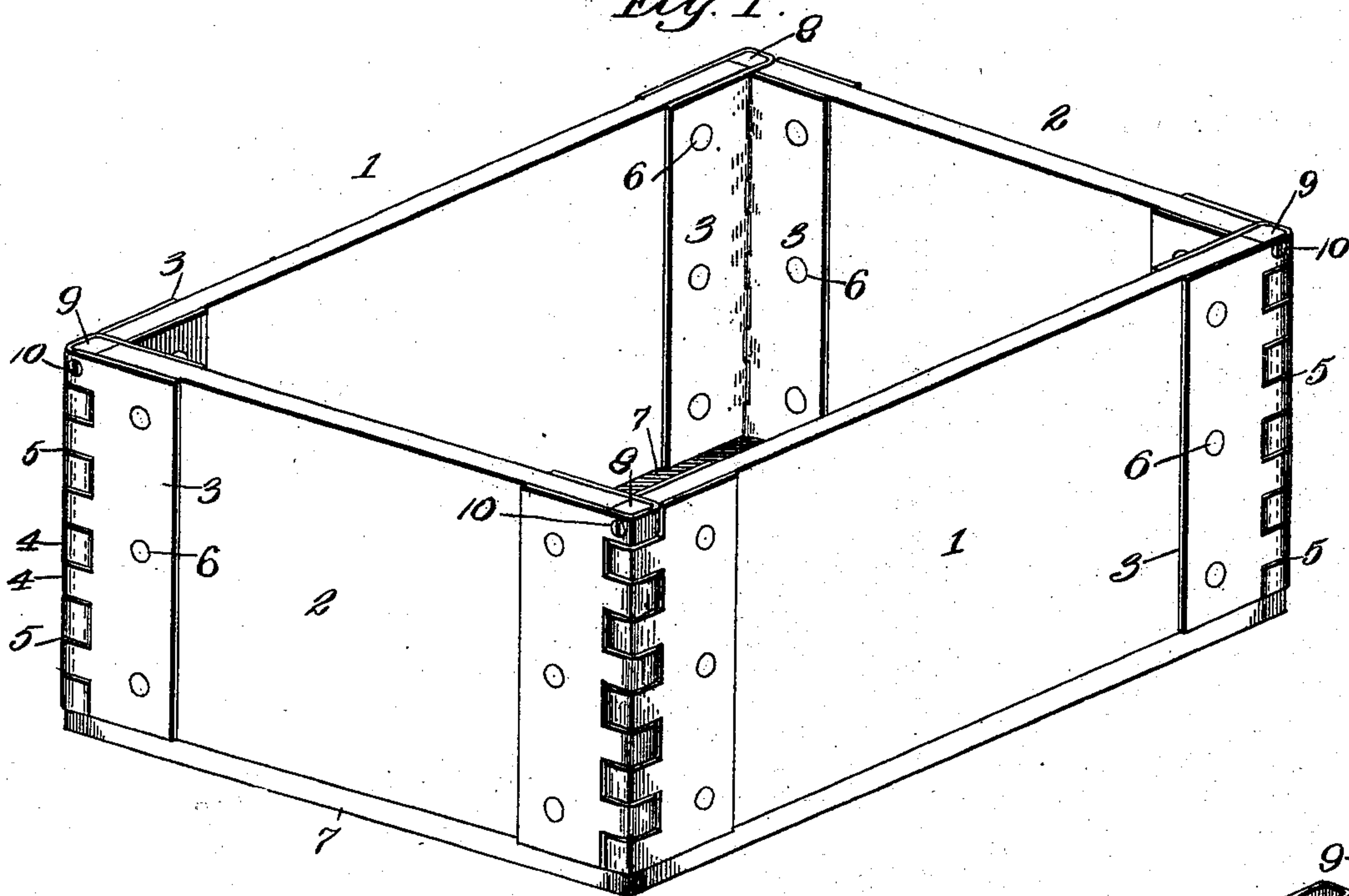


Fig. 2.

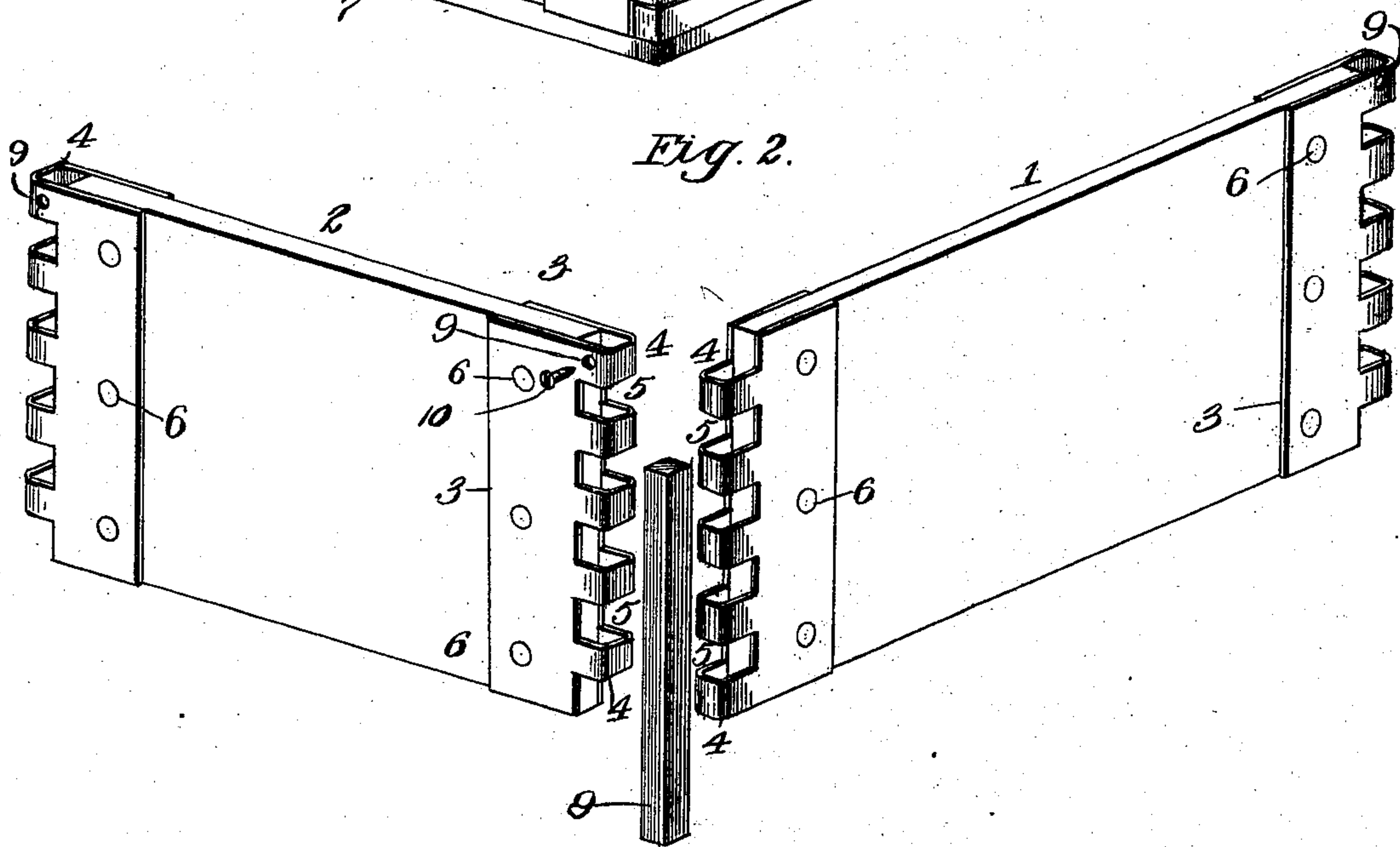
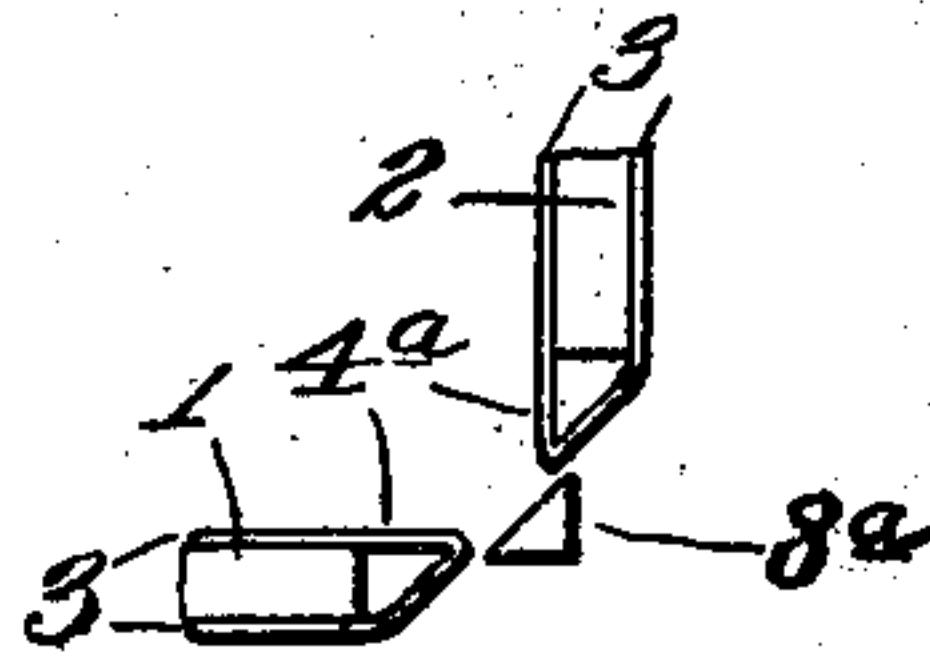


Fig. 3.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

JAMES E. FARIS, OF KANSAS CITY, MISSOURI, ASSIGNOR OF ONE-HALF TO  
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## BOX.

SPECIFICATION forming part of Letters Patent No. 695,677, dated March 18, 1902.

Application filed November 14, 1901. Serial No. 82,183. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES E. FARIS, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Boxes, of which the following is a specification.

My invention relates to boxes; and my object is to produce an absolutely-rigid structure which can be made of suitable size and proportion for trunks, wagon-boxes, box-cars, &c., as well as for boxes for shipment.

A further object is to produce a structure of this character which is simple, strong, durable, and cheap of construction.

To these ends the invention consists in certain novel and peculiar features of construction and combinations of parts, as hereinafter described and claimed, and in order that it may be fully understood reference is to be had to the accompanying drawings, in which—

Figure 1 is a perspective view of a box embodying my invention. Fig. 2 is a perspective view showing one side, end, and corner post of the box. Fig. 3 is a plan view showing one corner of a modified form of the box.

In the said drawings, 1 designates the sides, and 2 the ends, of the box, of any desired type. A sheet-metal plate provided with a series of parallel slots at its middle is bent to approximately U form, so as to provide a bracket having parallel arms 3. These arms are caused to embrace opposite sides of the box sides and ends 1 and 2, with the ends of said slots coincidental with the ends of said box sides and ends, so as to provide the series of alined loops and notches 4 5, said loops and notches alternating, as shown. When thus disposed, the brackets are secured rigidly together and to the interposed box sides and ends by rivets 6. The loops 4 of one bracket are adapted to fit snugly in the notches 5 of the adjacent bracket, so that the loops shall conjointly form a continuous tube extending from the top to the bottom of the box.

7 designates the bottom of the box, the same being secured in position in any suitable or preferred manner and forming practically a bottom for said tubes to prevent the corner-posts 8 from dislocation from said tubes at such points. Said posts are adapted to fit snugly in said registering loops, as shown in

Fig. 1, so as to lock the sides and ends rigidly and reliably together. To provide an additional guard against the dislocation of the posts from said tubes; particularly upward therefrom, at least one of the loops at each corner of the box is provided with a hole 10, through which a screw 11 extends and enters the corresponding post, making its own hole, if the latter is of wood. Where the post is of metal, it will be necessary to make the connection by means of a screw-bolt and provide a threaded hole in the post to receive the same.

In Figs. 1 and 2 the loops and posts are of rectangular form in cross-section; but it is to be understood that this particular form is not essential, as the loops and posts may be semicircular or circular in cross-section, respectively, or, if desired, said loops and posts may be triangular in cross-section, as shown in Fig. 3. The principle is precisely the same in either case.

From the above description, taken in connection with the accompanying drawings, the manner of putting the box together is obvious. The cover (not shown) may be of the hinged or any other suitable type. It is to be understood, of course, that while I have illustrated and described the preferred embodiment of the invention and one modification it is susceptible of other changes without departing from its spirit and scope or sacrificing any of its advantages.

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

A box having its sides or sections equipped with brackets, provided with alined and alternating loops and notches beyond the ends of said sides or sections, said loops being of angular form in plan view, with those of one bracket fitting snugly in the notches of the contiguous bracket, angular corner-posts fitting snugly and non-rotatably in said loops, and screws extending through certain of said loops and into said posts.

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

JAMES E. FARIS.

Witnesses:

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G. Y. THORPE.