

No. 713,028.

Patented Nov. 4, 1902.

Z. B. WEBB.

FOLDING BOX.

(Application filed Mar. 18, 1902.)

(No Model.)

FIG. 1

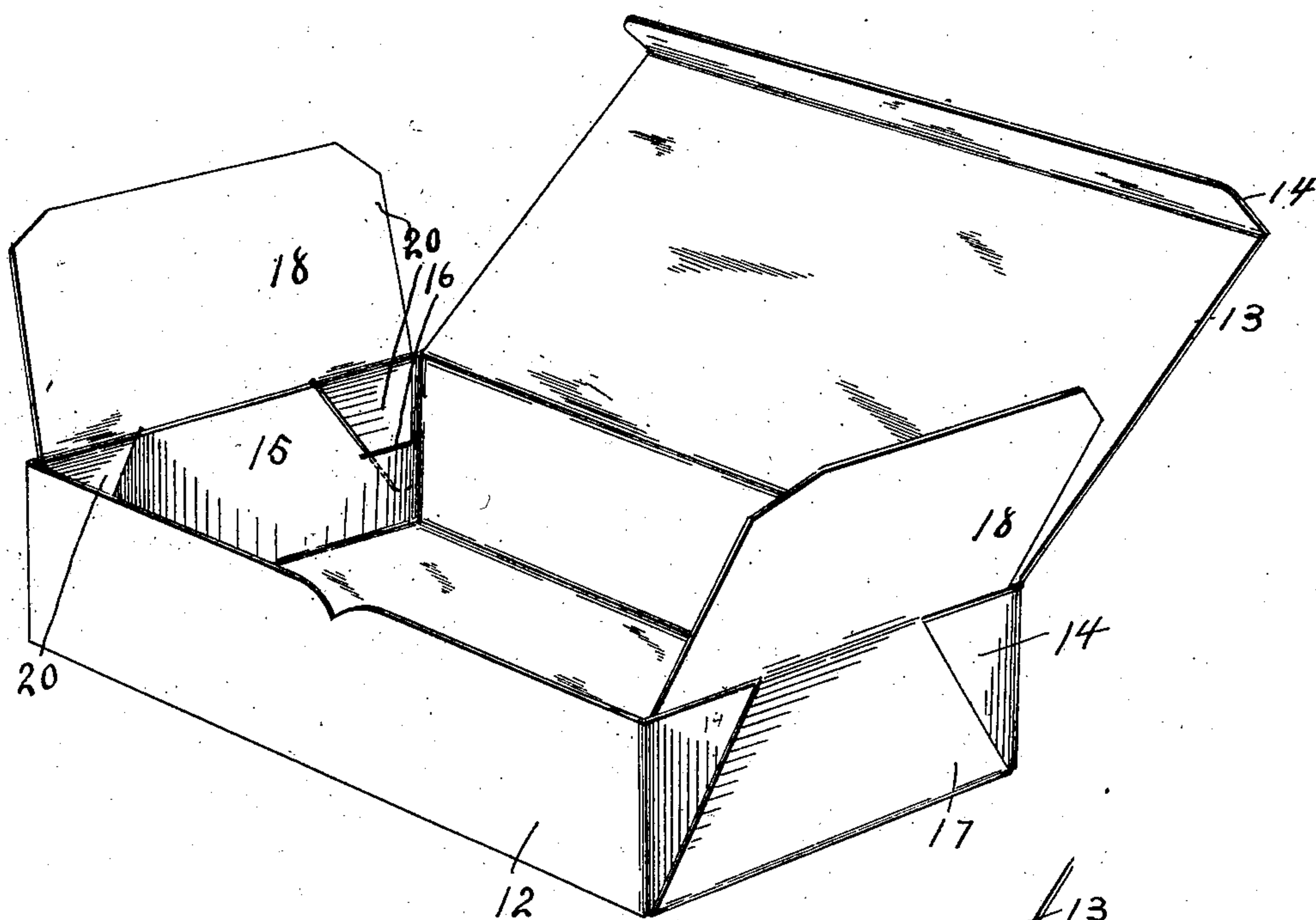
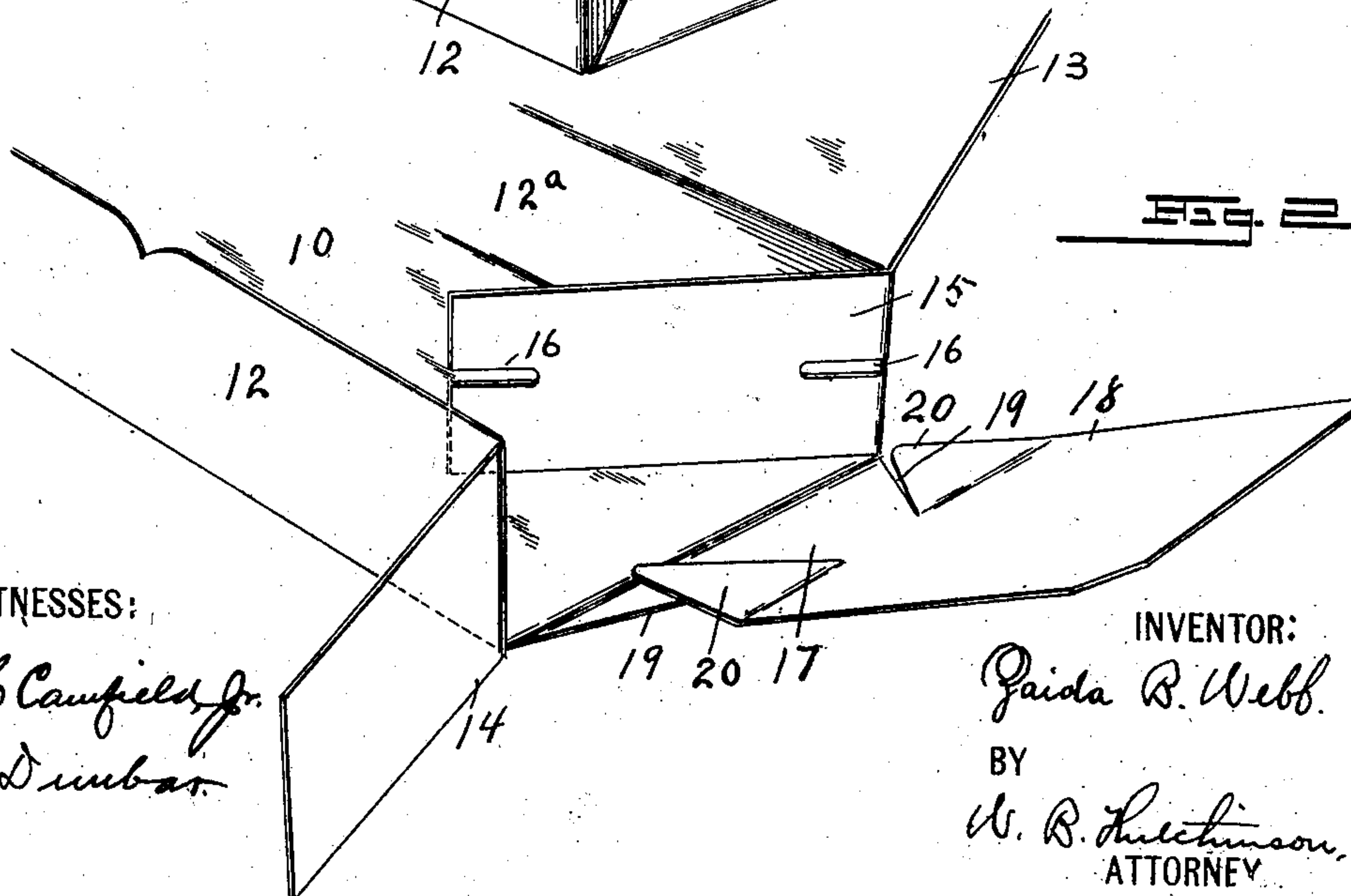


FIG. 2



WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## FOLDING BOX.

SPECIFICATION forming part of Letters Patent No. 713,028, dated November 4, 1902.

Application filed March 18, 1902. Serial No. 98,770. (No model.)

*To all whom it may concern:*

Be it known that I, ZAIDA B. WEBB, of Madison, county of Morris, State of New Jersey, have invented certain new and useful  
5 Improvements in Folding Boxes, of which the following is a full, clear, and exact description.

My invention relates to improvements in folding boxes, such as are set up without the  
10 use of glue or tools; and the object of my invention is to produce a simple, strong, and easily-manipulated box which makes a neat package and which cuts to good advantage.

A special object of my invention is to provide a simple and secure fastening for the  
15 box ends when the box is set up, which fastening can be quickly adjusted or released.

To these ends my invention consists of certain features of construction and combinations of parts, which will be hereinafter fully  
20 described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar figures of reference refer to  
25 similar parts throughout both views.

Figure 1 is a perspective view of an open box, showing my improvements, and Fig. 2 is a broken perspective view of one end portion of the box, showing the parts separated  
30 to better illustrate their construction.

The box has a bottom portion 10 of rectangular shape, and on two sides of the bottom and preferably separated therefrom by score-lines are the side pieces 12 and 12<sup>a</sup>, the height  
35 of which corresponds to the height of the box, and one of these side pieces—the back one, 12<sup>a</sup>, as shown—has the usual top 13, which ends in the terminal tuck 14, which is adapted to fold over the box in the customary manner. Wherever bends occur in the material  
40 I prefer to have score-lines, although this is not absolutely essential. The front side piece 12 has inwardly-turning end wings 14, which are adapted to extend across the box ends, and the back side piece 12<sup>a</sup> has similar inwardly-turning wings 15, which overlap the wings 14 and which are provided near opposite ends with transverse slots 16, adapted to receive the fastening-tucks, hereinafter referred to. The slots 16 may of course be made  
50 as well in the wings 14, and while they are

preferable near the side edges or ends of the wings 15, so as to produce the best bracing effect, still they may be located nearer together. It is an advantage, however, to have  
55 them at the extreme edges, as also to have the tucks 20, hereinafter referred to, at the edges of the end pieces 17, as by this arrangement the box is not only stronger, but can be more easily cut and manipulated. 60

Projecting from the end portions of the bottom 10 are the end pieces 17, which are adapted to fold up when the box ends are formed and which have the inwardly-turning flaps 18, adapted to lie over and protect the  
65 material in the box. The end pieces 17 are each inwardly and upwardly cut, as shown at 19, so as to produce the side tongues 20, the bases of which are preferably coincident with the score-line of the part 17 18, and when  
70 the box is to be set up the side pieces 12 12<sup>a</sup> are turned to a vertical position, the wings 15 are turned inward across the box ends, the wings 14 are turned inward to overlap the wings 15, the end pieces 17 are turned up, the  
75 tongues 20 are made to overlap the two wings 14 and 15 at each end of the box, and the tongues 20 are thrust into the slots 16 on the inside of the box, as shown clearly in Fig. 1. Thus it will be seen a very simple and quickly-  
80 operated fastening device is made, and the several parts—to wit, 14, 15, and 17—which form the box ends are firmly bound together. Then when the flaps 18 are turned in and the cover 13 turned down a very compact and  
85 secure package is formed.

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

1. As an improved article of manufacture, 90 a folding box comprising a bottom portion having upwardly-turning side pieces on two edges thereof, overlapping end wings on the ends of the side pieces, said wings being adapted to fold in across the box end, and  
95 one set of wings being provided with a plurality of essentially horizontal slots disposed near the end of the said wings, end pieces on the two remaining edges of the bottom, and a pair of tongues on each end piece, said  
100 tongues being located near the side edges of the end pieces and adapted to overlap the

edges of the end wings and engage in the aforesaid slots.

2. As an improved article of manufacture, a folding box, comprising a bottom portion, 5 side pieces on two edges thereof, end wings on the two side pieces, the said wings being adapted to overlap the box ends, and one set of wings being slotted at the end portions thereof, end pieces on the two remaining 10 edges of the bottom, the end pieces being adapted to fold up against the inwardly-turning wings and having flaps at their top edges, and tongues on the side edges of the end

pieces, the said tongues being formed by cutting inwardly and upwardly into the end 15 pieces, the tongues being also adapted to overlap the aforesaid wings and engage in the slots thereof.

In testimony whereof I have signed my name to this specification in the presence of 20 two subscribing witnesses.

ZAIDA B. WEBB.

In presence of—

WARREN B. HUTCHINSON,  
JOHN CAROLAN.