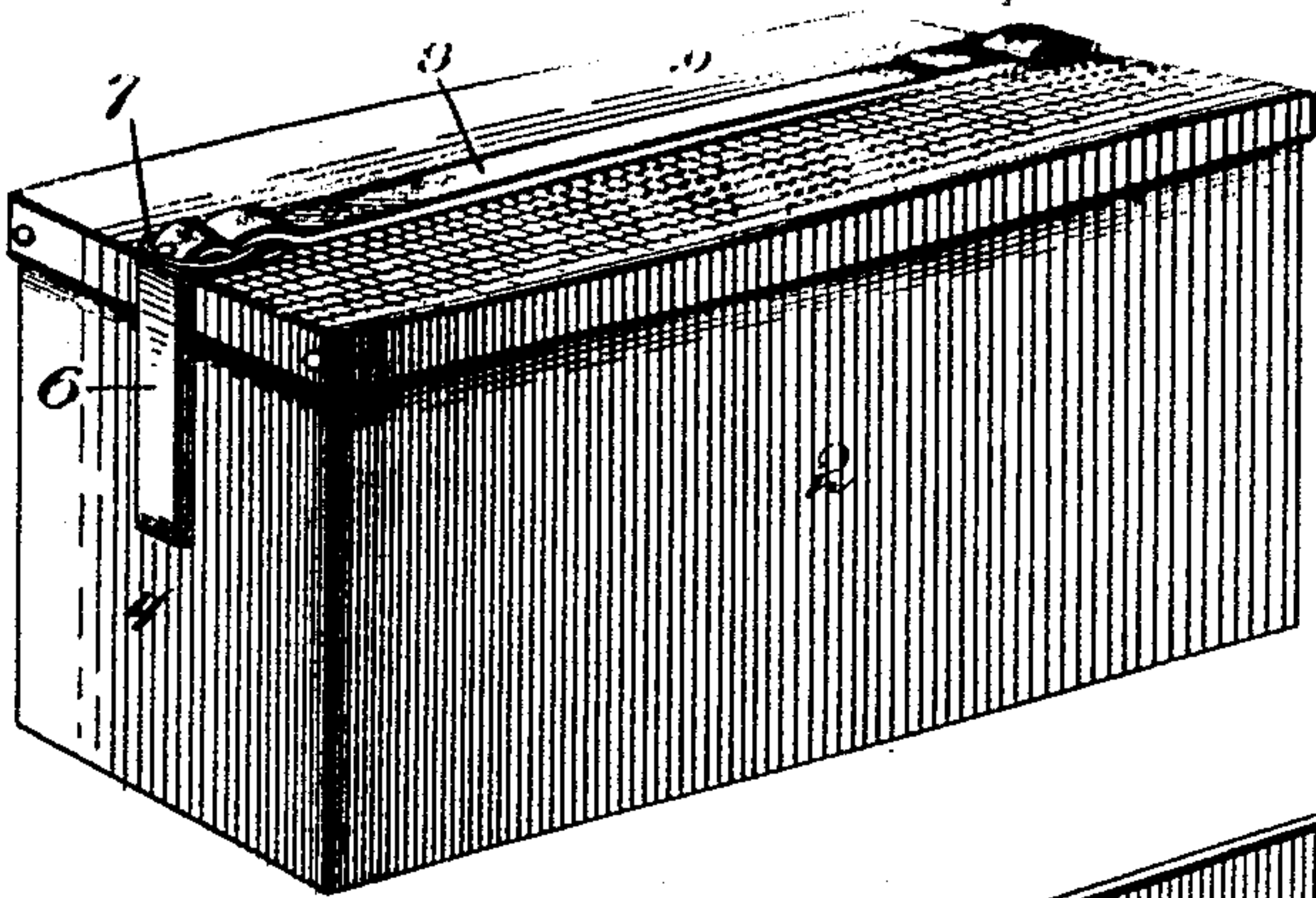


(No Model.)

J. NOLAND.  
FOLDING BOX.

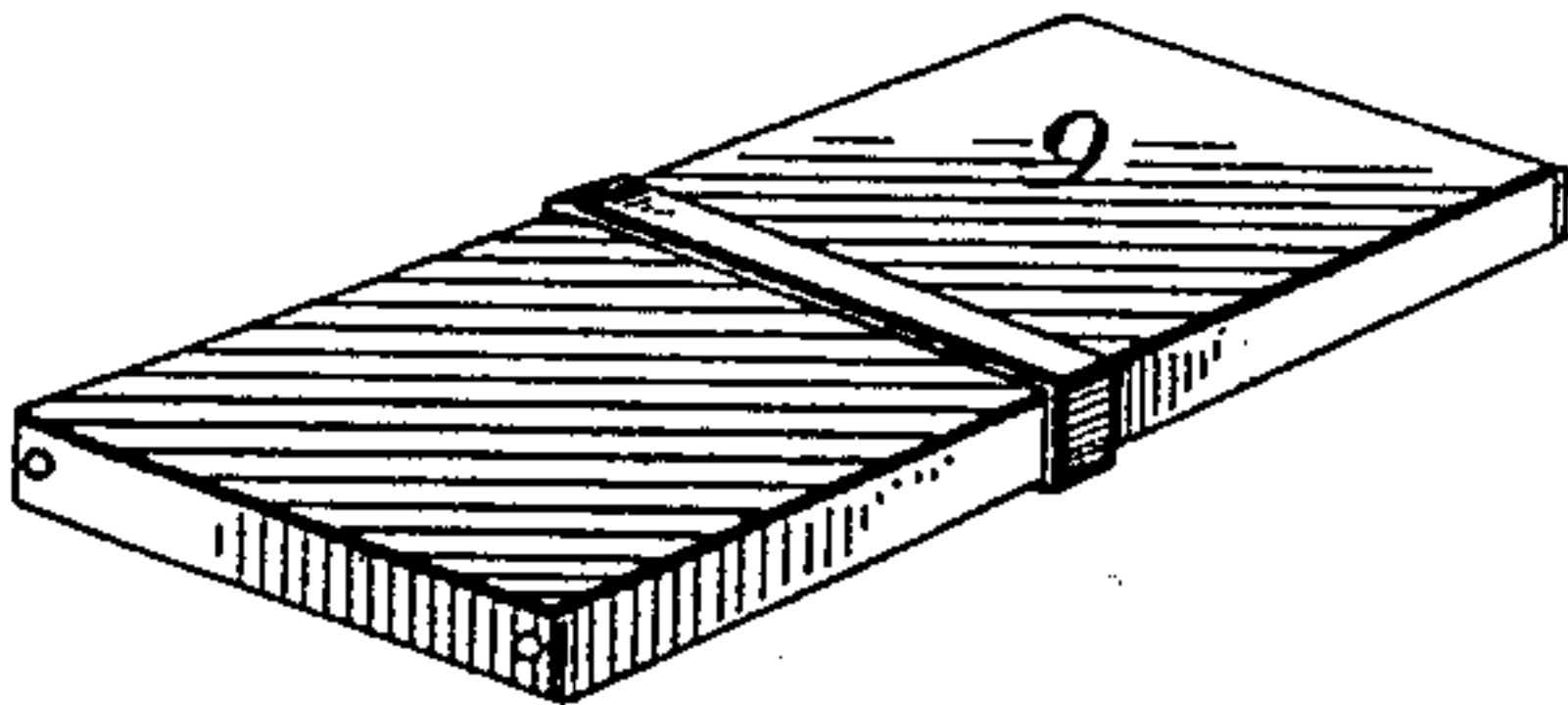
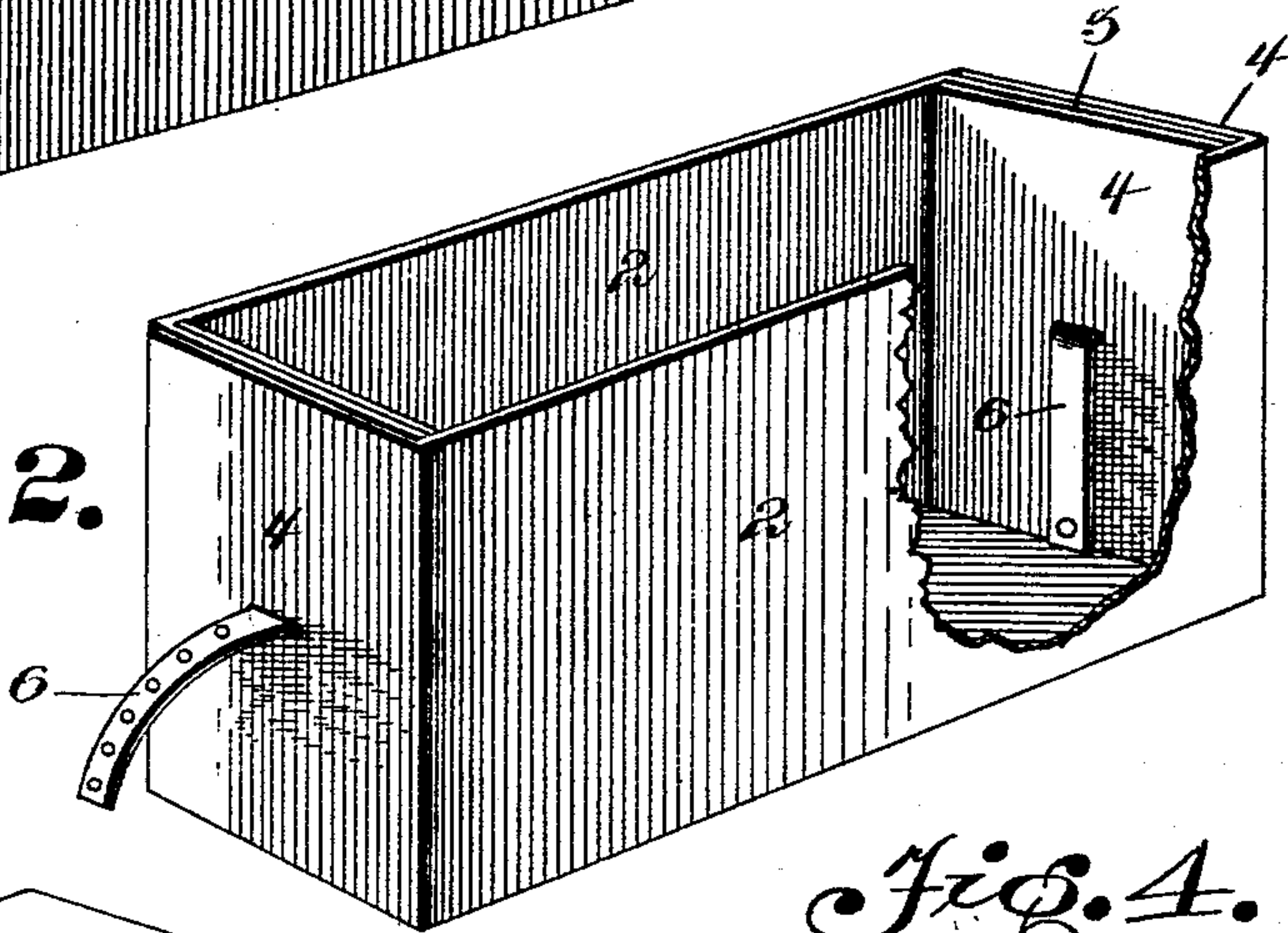
No. 593,489.

Patented Nov. 9, 1897.



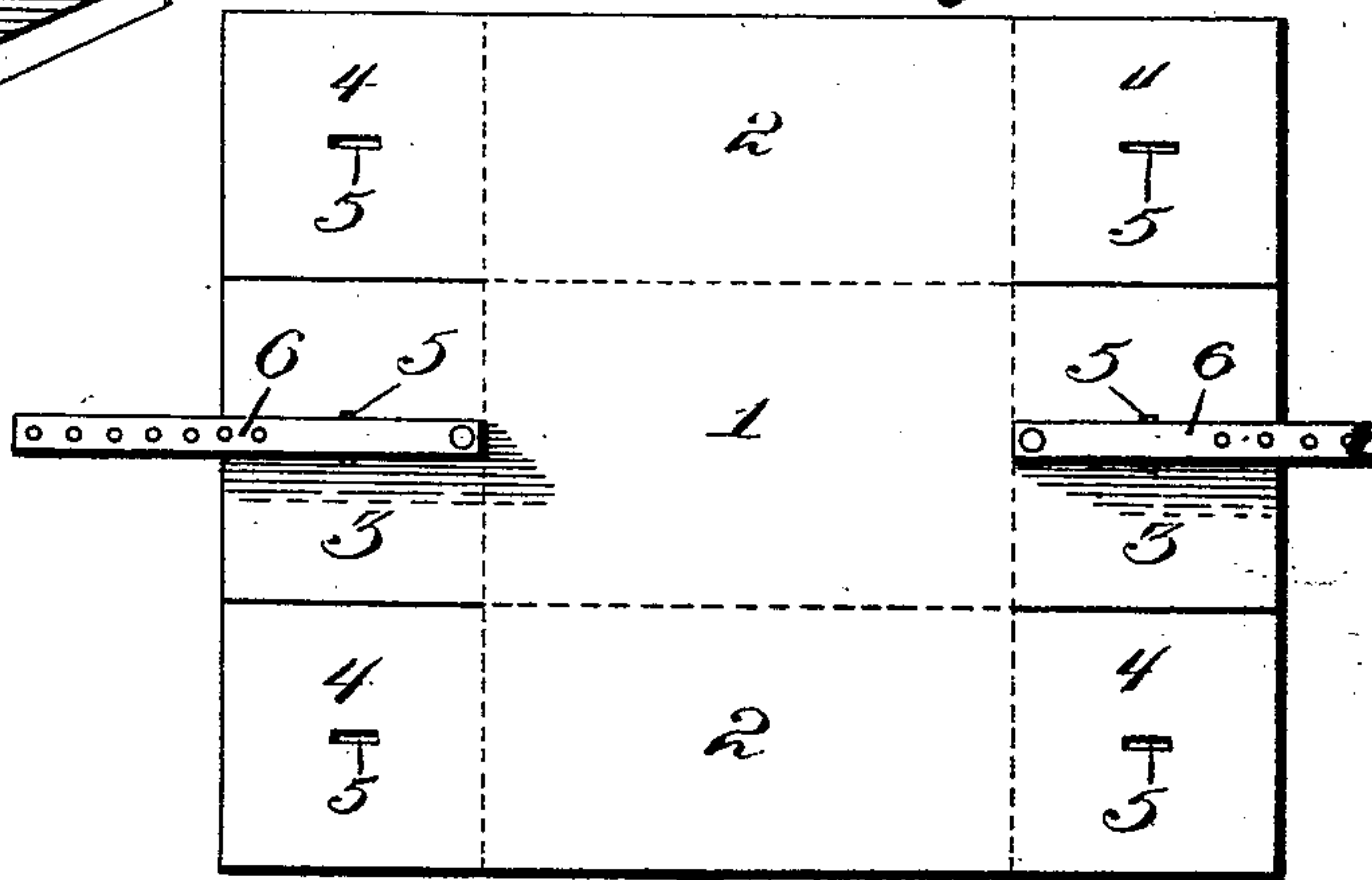
*Fig. 1.*

*Fig. 2.*



*Fig. 3.*

*Fig. 4.*



Witnesses:  
A. R. Appleman  
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By Henry C. Evert Atty.



# UNITED STATES PATENT OFFICE.

JOHN NOLAND, OF PITTSBURG, PENNSYLVANIA.

## FOLDING BOX.

SPECIFICATION forming part of Letters Patent No. 593,489, dated November 9, 1897.

Application filed February 27, 1897. Serial No. 625,244. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN NOLAND, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Folding Boxes, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in folding boxes, and relates particularly to that class of boxes employed for lunch-boxes, and has for its object to construct a box of the above-referred-to  
15 class that may be folded in a neat and compact form when not in use for convenience in handling.

The invention further aims to construct a folding box having the sides and ends formed  
20 integral with the base and wherein the end pieces will act as a brace when the box is in the built-up form; furthermore, a folding box that can be formed with one stroke of the die, thus reducing the cost of the same to  
25 a minimum.

The invention further aims to construct a box that will require no staples to hold the ends when in the built-up form and that will be extremely simple in its construction, and  
30 strong, durable, and effectual in its operation.

The invention finally consists in the novel construction, combination, and arrangement of parts to be hereinafter more specifically described, and particularly pointed out in  
35 the claim.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like figures of reference indicate similar parts throughout the several views, in  
40 which—

Figure 1 is a perspective view of the box in the built-up form with lid in position. Fig. 2 is a perspective view with the lid removed  
45 and a portion of one side broken away to show supporting-strap in position. Fig. 3 is a view of the box in the folded form. Fig. 4 is a plan view of the box before being folded or built up.

50 Referring now to the drawings by reference-figures, 1 indicates the bottom; 2 2, the sides; 3 3, the ends, and 4 4 the flaps, said ends and

flaps being provided at or near their center with oblong slots 5 5. These slots are arranged so that the same will meet at a com- 55 mon center when the box is in the folded position and are adapted to receive the straps 6 6, secured to the inner face of the ends at or near the base thereof. These straps 6 6 are adapted to be attached to the buckles or 60 other fastenings 7 7, carried by the top strap 8, which binds the lid 9 on the box, and may be employed as a handle.

The box is preferably composed of a stiff cardboard; but any suitable material—such 65 as tin, wood pulp, fiber, or other material—may be used, and one pressure of the die will form the oblong slots 5, the flaps 4, and crease the box in the manner shown in dotted lines in Fig. 4, and the sheet of material, after 70 the straps have been attached, is in shape to fold and form the box. The sides are arranged in their vertical positions and the flaps folded against each other, when the ends are brought up against the flaps, thus bringing 75 the oblong slots to the common center to receive the straps 6 6, which when the lid is placed in position and the straps 8 secured to the straps 6 6 binds the ends and flaps and the lid in position. When this top strap is 80 detached, the straps 6 6 can be readily withdrawn from the slots 5, and the ends, flaps, and sides folded in on the bottom and the lid placed in position over the same, when the box may be retained in this position by a flexi- 85 ble band, as is shown in Fig. 3, thus folding the entire box within the lid and forming a neat and compact package convenient to handle and carry.

I desire to call particular attention to the 90 construction of my improved box, as it will be observed that by one pressure of a suitable die the box is formed, including the slots to receive the securing-straps, thus dispensing with any staples or other fastening de- 95 vice in the ends, permitting the box to fold more compactly, and also reducing the cost of manufacture. I also wish to call attention to the square flaps formed on the sides, and by this construction these flaps serve to as- 100 sist in bracing the box when in the built-up form. Furthermore, should the flaps happen to be placed outside the ends when forming the box the oblong slots will still meet at the

common center to receive the straps and the ends of the box would present the same finished appearance as is shown in Fig. 2, where the flaps are shown within the ends.

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

10 In a box having folding sides and ends, flaps carried at each end of each side, said flaps and ends provided with slots adapted to meet at a common center, straps secured on

the inside of each end and passing through said slots to the outside of the box and thence over the top of the same and suitably fastened, substantially as described. 15

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

JOHN NOLAND.

Witnesses:

F. H. STUGHS,

THOS. M. BOYD, Jr.