

H. B. WALTER.

BOX.

APPLICATION FILED SEPT. 16, 1908.

915,395.

Patented Mar. 16, 1909.

Fig. 1.

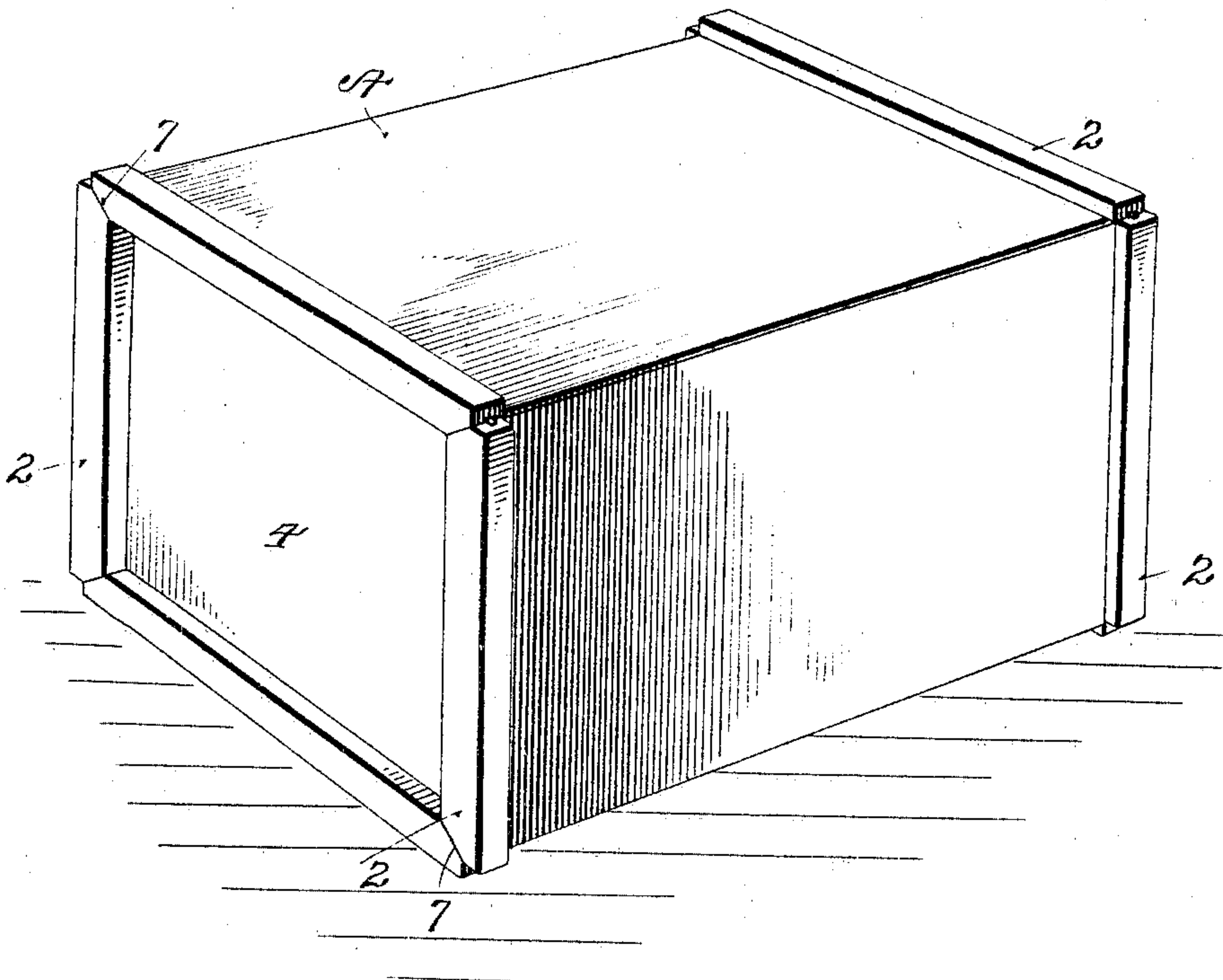


Fig. 2.

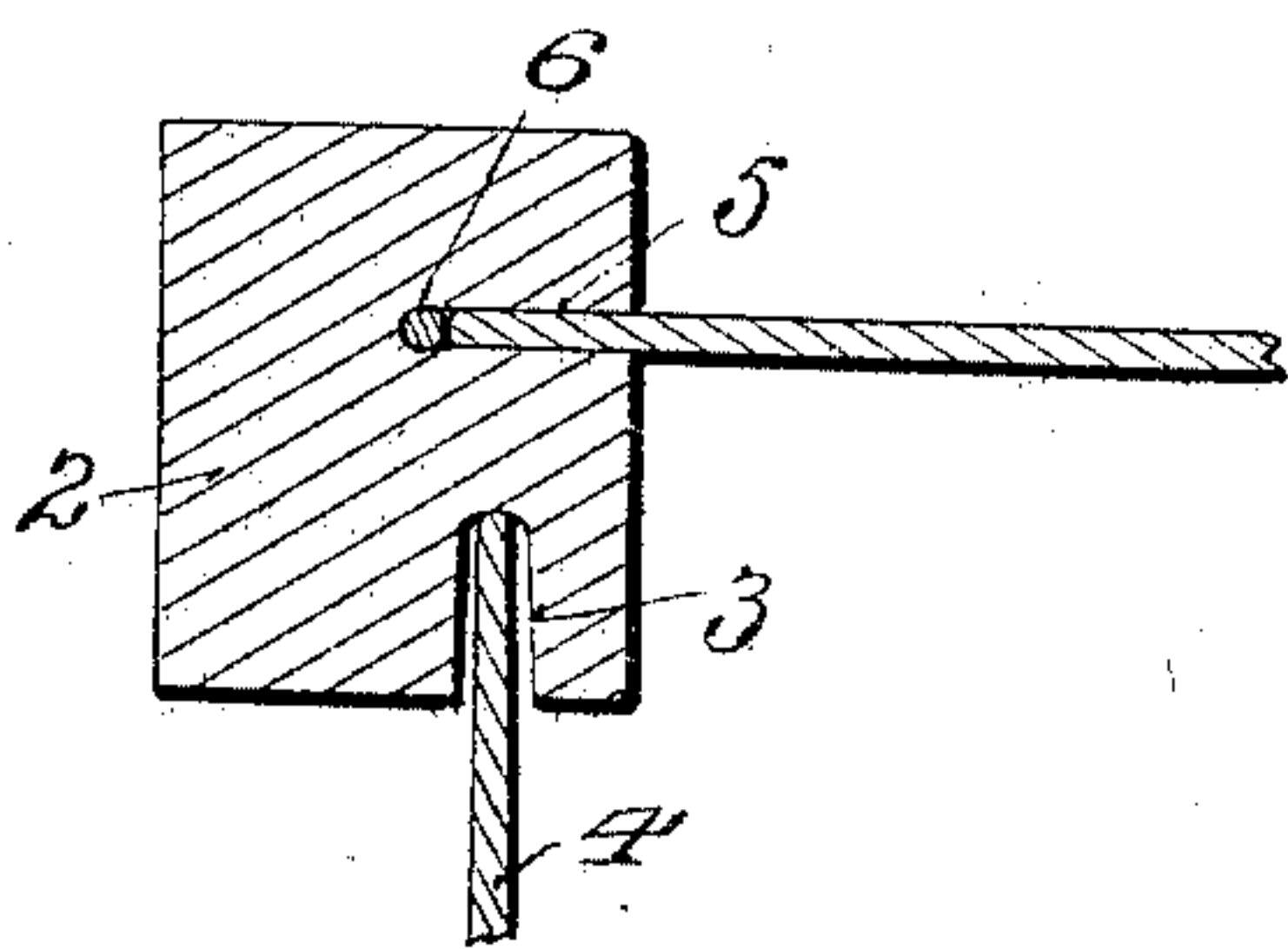
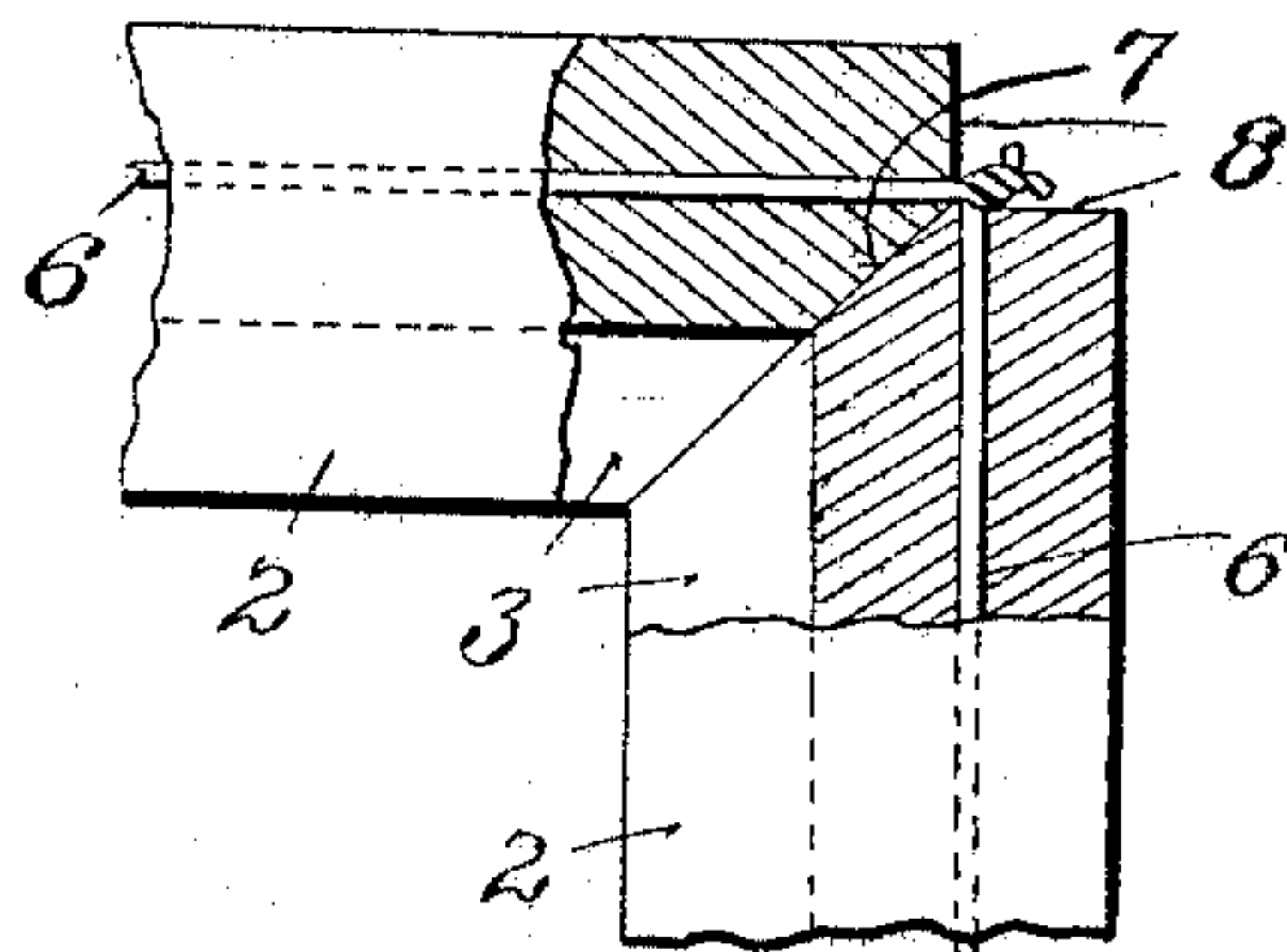


Fig. 3.



Witnesses  
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# UNITED STATES PATENT OFFICE.

HARRISON B. WALTER, OF DANVILLE, ILLINOIS, ASSIGNOR BY MESNE ASSIGNMENTS,  
TO ALREADY BOX COMPANY, OF DANVILLE, ILLINOIS

BOX.

No. 915,395.

Specification of Letters Patent.

Patented March 16, 1909.

Application filed September 16, 1908. Serial No. 453,311.

*To all whom it may concern:*

Be it known that I, HARRISON B. WALTER, a citizen of the United States, residing at Danville, in the county of Vermilion and State of Illinois, have invented certain new and useful Improvements in Boxes, of which the following is a specification.

My invention relates to an improvement in boxes and the object is to provide means whereby a wire can be connected to the battens of a box whereby a hinge connection will be formed and which will permit of the box being shipped in a knocked down condition, and when the box is made in its proper shape the ends of the wires can be fastened together and form a smooth and even connection without protruding beyond the outer surfaces of the battens. When the wires are brought together the box is firmly locked and can be opened only by breaking the connection of the ends of the wires.

The invention further consists in many novel features of construction and combinations of parts which will be hereinafter described and pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view showing my invention applied to a box; Fig. 2 is a cross sectional view through one of the battens; and Fig. 3 is a sectional view of one corner of the box showing the wire embedded in the grooves.

A represents the body of the box which may be made of any suitable material, but in the form shown in the drawings I have formed the sides of the box in one continual piece. The battens 2 are provided with grooves 3 for the reception of the ends 4 of the box, and along one side of the battens similar grooves 5 are formed for the reception of the body of the box. The body or sides of the box are held within the grooves by any suitable adhesive, and in the grooves 5 a wire 6 is received at the bottom, which wire passes entirely around the box and the two ends of the wire are connected together. The ends of the battens are beveled below the grooves 5 as at 7 to permit of the formation of a box when the ends of the battens are brought together. When the ends of the battens are brought together, notches 8 are formed at the ends of each batten which permits of the ends of the wires being twisted together and received within these notches, thereby preventing the wires from protruding beyond the upper surfaces of the battens

and forming an uneven surface, which would be objectionable in many instances.

From the foregoing it will be seen that I have provided means whereby the sides of a box are capable of being hinged together and the means which forms the hinge connection is confined within the battens. A box of this character can be manufactured at a very small cost as its construction is very simple and it consists of very few parts.

It is evident that more or less slight changes might be resorted to in the form and arrangement of the several parts described without departing from the spirit and scope of my invention, and hence I do not wish to be limited to the exact construction herein set forth, but:—

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

1. A folding box comprising a body made from a single piece of material, battens having grooves on two adjacent faces, the body received in one of the grooves and adapted to be folded at the ends of the battens, and the ends of the boxes received in the groove on the other face of the battens.

2. A box comprising sides and ends, battens having grooves on two faces thereof, one of the grooves for the reception of the ends of the box and the other groove for the reception of the sides, a wire received in one of the grooves forming a hinge for the corners of the box and the ends of the wires being connected together for locking the box.

3. A box comprising a body and ends, battens having grooves on two faces thereof, one of the grooves for the reception of the ends of the box and the other groove for the reception of the body, and a wire received in the groove in which the body is received.

4. A folding box comprising a body, battens having grooves on two adjacent faces, a body received in one of the grooves and adapted to be folded at the ends of the battens, a wire strap received in said groove forming a hinge and the ends of the box received in the other grooves on the other faces of the battens.

5. A box comprising a body and ends, battens having grooves on two adjacent faces, the body received in one of the grooves and the ends of the box received in the other grooves, said battens being beveled at their ends forming notches between the ends of



the two adjoining battens, and wires received in the grooves in which the body of the box is received forming a hinge, the ends of the wires being connected together and  
5 received in the notches.

6. A box comprising a body and ends, battens having grooves on two adjacent faces, the body received in one of the grooves and held therein by an adhesive, a wire received

in said grooves for forming a hinge, and the 10 ends of the box received in the grooves on the other faces.

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

HARRISON B. WALTER.

Witnesses:

S. I. PHILLIP,

CHARLES WATKINS.