

C. A. CHASE & H. A. LEWINE.
FOLDING BOX.

APPLICATION FILED JAN. 24, 1911.

Patented July 4, 1911.

2 SHEETS—SHEET 1.

997,116.

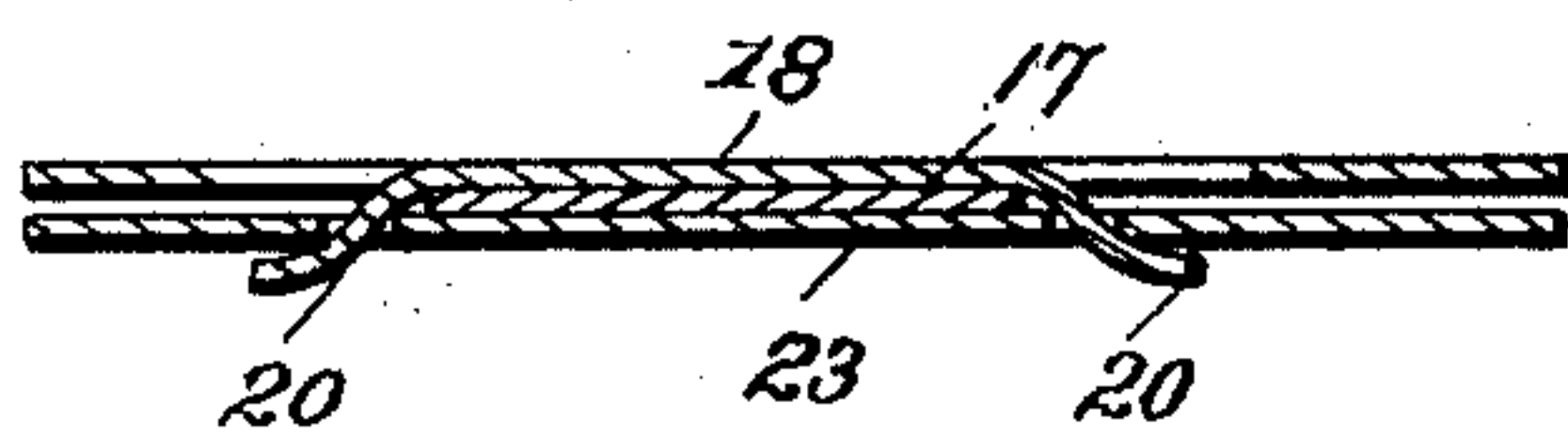
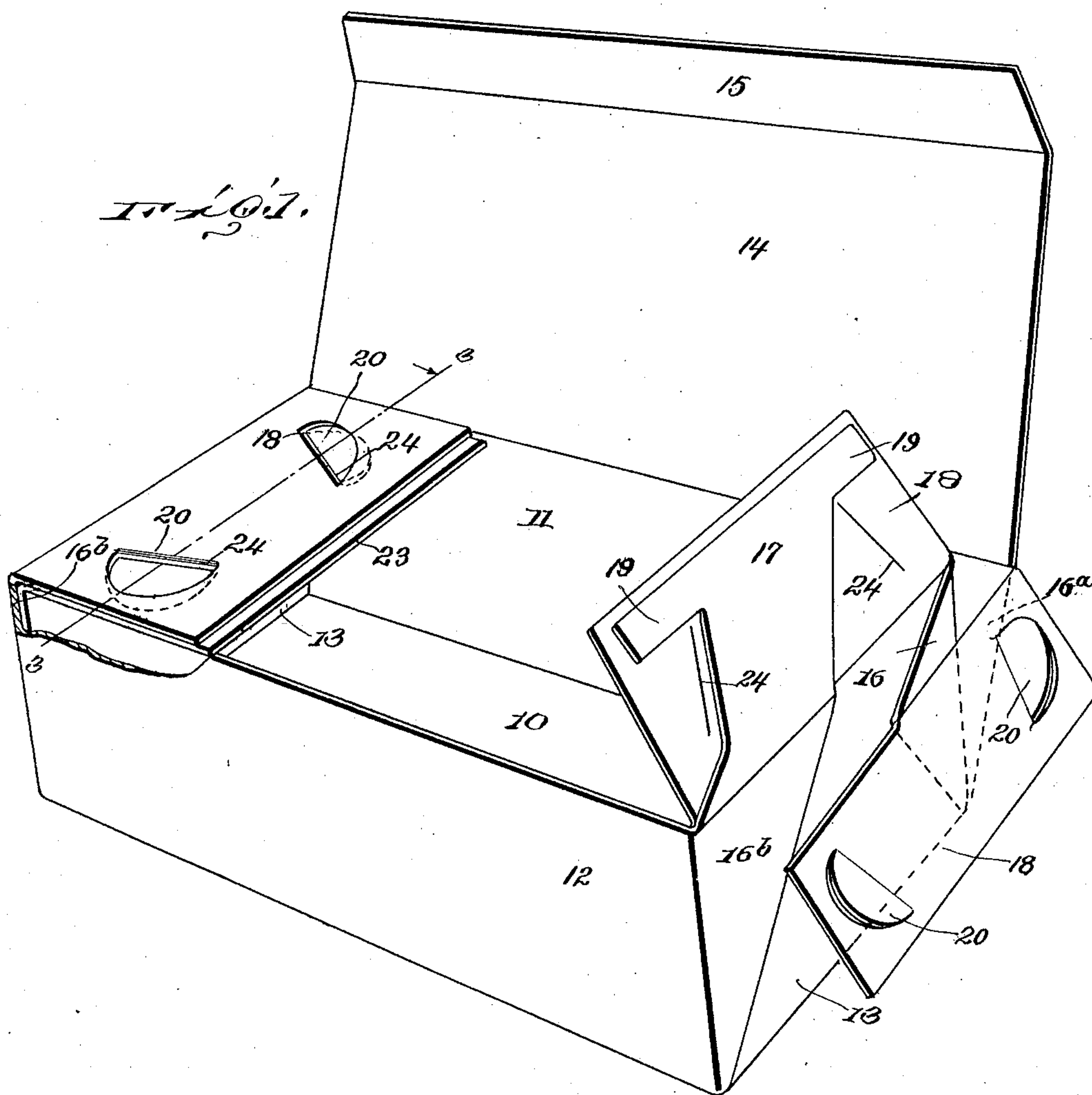


Fig. 3.

Witnesses

W. T. Woodson.

J. M. Fallon.

Inventors

C. A. Chase
H. A. Lewine

By

H. B. Macy, Attorneys.

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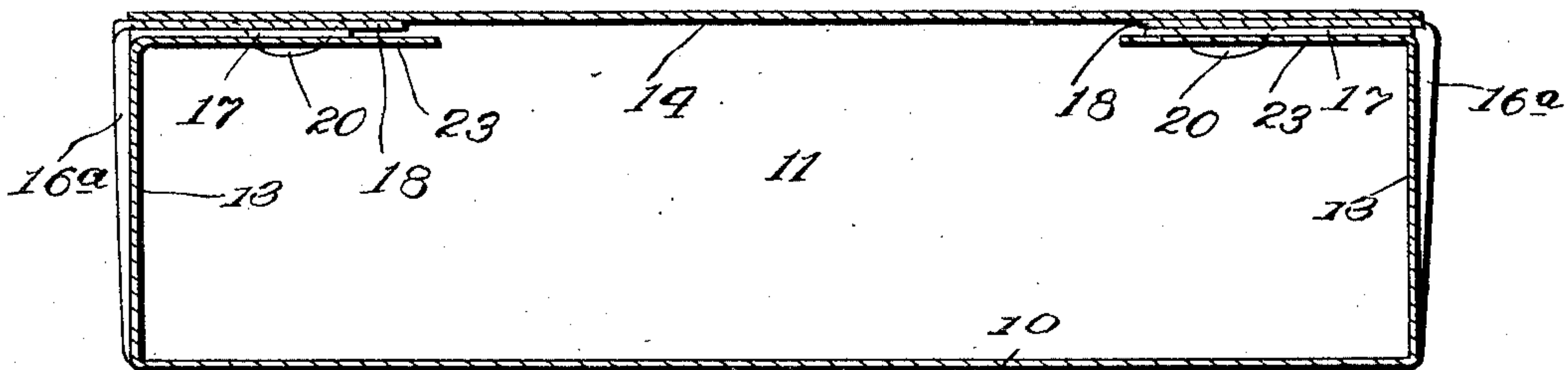


Fig. 2.

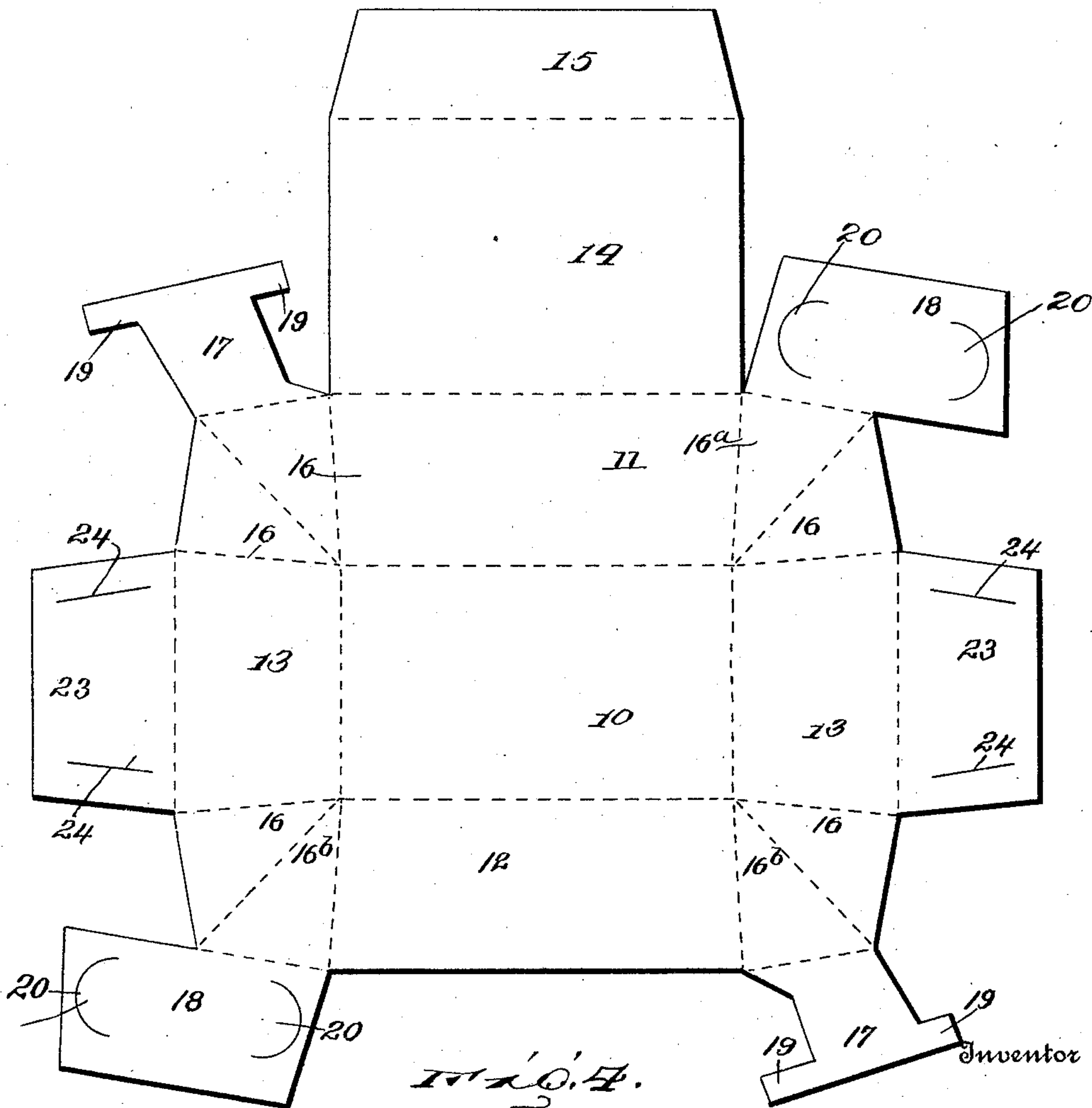


Fig. 4.

Witnesses
W. H. Woodson
Juana M. Fallin.

C. A. Chase
H. A. Lewine

By *H. A. B. Tracy* Attorneys

UNITED STATES PATENT OFFICE.

CHARLES A. CHASE, OF IRVINGTON, AND HARRY A. LEWINE, OF BELLEVILLE, NEW JERSEY.

FOLDING BOX.

997,116.

Specification of Letters Patent.

Patented July 4, 1911.

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To all whom it may concern:

Be it known that we, CHARLES A. CHASE and HARRY A. LEWINE, citizens of the United States, residing at Irvington and Belleville, respectively, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Folding Boxes, of which the following is a specification.

This invention refers to an improved folding box, and has for a primary object to form the complete box from a single blank.

Another object of this invention is to simplify the general construction of boxes of this nature by simplifying the form of the blank from which the box is made, producing a blank which may be easily and quickly folded by a few operations into the box.

A further object of the invention comprehends the forming of a box from a single blank which may be folded by a few operations and which is provided with peculiarly arranged locking tongues and flaps adapted to be assembled quickly without endangering the tearing or mutilation of the portions of the blank, and which, when locked, will form a fastening means for the box which cannot be easily torn open.

For a full understanding of the invention and the merits thereof and also to acquire a knowledge of the details of construction, reference is to be had to the following description and accompanying drawings, in which:

Figure 1 is a perspective view of the complete box open and having one end partly released; Fig. 2 is a longitudinal central section taken vertically through the box when closed; Fig. 3 is a sectional view on the line 3—3 of Fig. 1; and, Fig. 4 is a plan view of the blank from which the box is formed.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawing by the same reference characters.

Referring to the drawings the box comprises a bottom 10, a back 11 and a front 12. The ends of the bottom 10 carry sides 13, while the back 11 carries a hinged cover 14 having a locking strip 15 upon its outer edge. The ends of the front and back are joined by folds 16. The back 11 carries a back fold 16^a, which folds against the inner face of the side fold 16. The front 12 of the box carries a front fold 16^b which

folds against the adjacent side fold 16. Flaps 17 and 18 are formed, respectively, upon the back fold 16^a and the front fold 16^b at one end of the box, while at the opposite end of the box the flaps 17 and 18 are preferably diagonally opposite. The object of so placing the flaps 17 and 18 at the ends of the box is to place the flap 17 to be held by the left hand and the flap 18 by the right hand of the operator in forming the box. Referring to the left end of the box, as shown in Fig. 4, the flap 17 is formed of a continuation of the back fold 16^a which projects upwardly therefrom and extends diagonally out from the cover 14. The outer end of the flap 17 is provided with extensions or retaining lugs 19 projecting beyond the lateral edges thereof to form a T-head upon the flap. The flap 18 is formed of a continuation of the front fold 16^b at its upper edge which projects beyond the end of the fold. Curved tongues 20 are formed in the opposite ends of the flap 18 facing the extremities thereof.

The side 13 carries a locking strip 23 having its ends beveled or cut diagonally from the upper corners of the side. The slits 24 are cut in the opposite ends of the locking strip 23 to register with and to receive the curved tongues 20.

It will be noted from Fig. 4 that each end of the box is constructed alike.

In folding the blank into the box the back 11 and front 12 are turned up from the edges of the bottom 10, when the sides 13 are folded up against the ends of the front and back. This arrangement of the blank brings the inner faces of the folds 16 against one another and they project diagonally outward from the corners of the box. The folds 16 are now turned in against the outer faces of the sides 13, bringing the flaps 17 and 18 against the locking strip 23. The flap 17 is first laid against the locking strip 23, the extensions or retaining lugs 19 lying above the upper ends of the slits 24 while the inclined edges of the flaps 17 lie within the slits 24. The flap 18 is now laid against the flap 17 and the curved tongues 20 are inserted through the slits 24 beneath the retaining lugs 19 to lock the members together. The locking strip 23 and the flaps 17 and 18, now secured thereto, are bent down within the box to engage beneath the cover 14 when the same is closed.

The locking strip or tongue 15 is inserted within the box against the inner side of the front 12 and against the forward edges of the locking strips 23. The lugs or extensions 19 engage against the upper edges of the tongues 20 and hold the flap 17 from pulling away from the locking strip 23.

It will of course be understood that the box may be given various forms and be made in different sizes so as to adapt the box to various uses.

Having thus described the invention, what is claimed is:

A folding box having a side provided with an upwardly extending locking strip having inclined slits in its ends, a back resting against one edge of the side and having a T-flap lying against the outer face of the

side the arms of which extend over the upper ends of the slits and having its opposite upwardly extending edges within the slits, a front resting against the opposite edge of the side and having a flap lying against the T-flap and being provided with vertical tongues near its ends engaging in the slits and against the opposite edges of the T-flaps, the tongues engaging beneath the head of the T-flap to hold the same from downward movement.

In testimony whereof, we affix our signatures in presence of two witnesses.

CHARLES A. CHASE. [L. S.]
HARRY A. LEWINE.

Witnesses:

EDWARD C. KENNEDY,
EDWARD W. OXENFORD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
