No. 732,329. PATENTED JUNE 30, 1903.

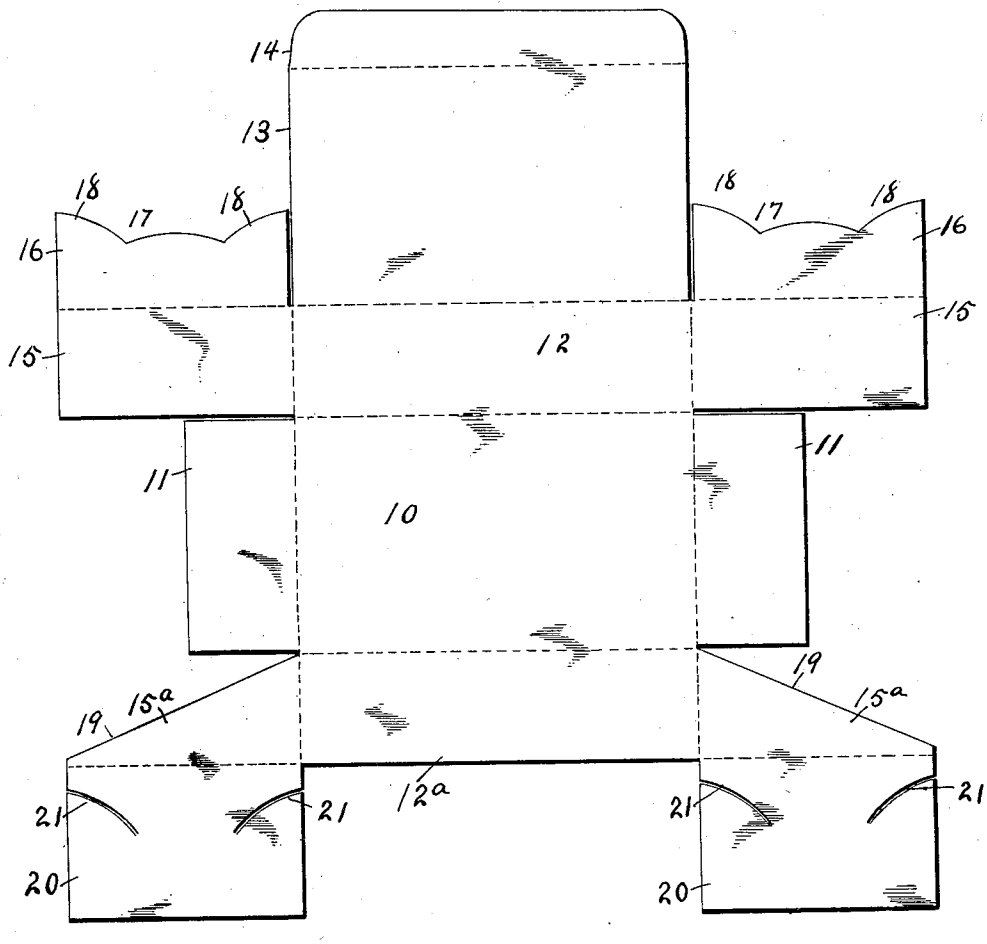
Z. B. WEBB.

FOLDING BOX.

APPLICATION FILED APR. 25, 1902.

NO MODEL. 2 SHEETS—SHEET 1.

Fig. 1



WITNESSES:

W. H. Canfield Jr.

J. G. Dunbar.

INVENTOR

Zaida B. Webb.

BY

W. B. Hutchinson.

ATTORNEY.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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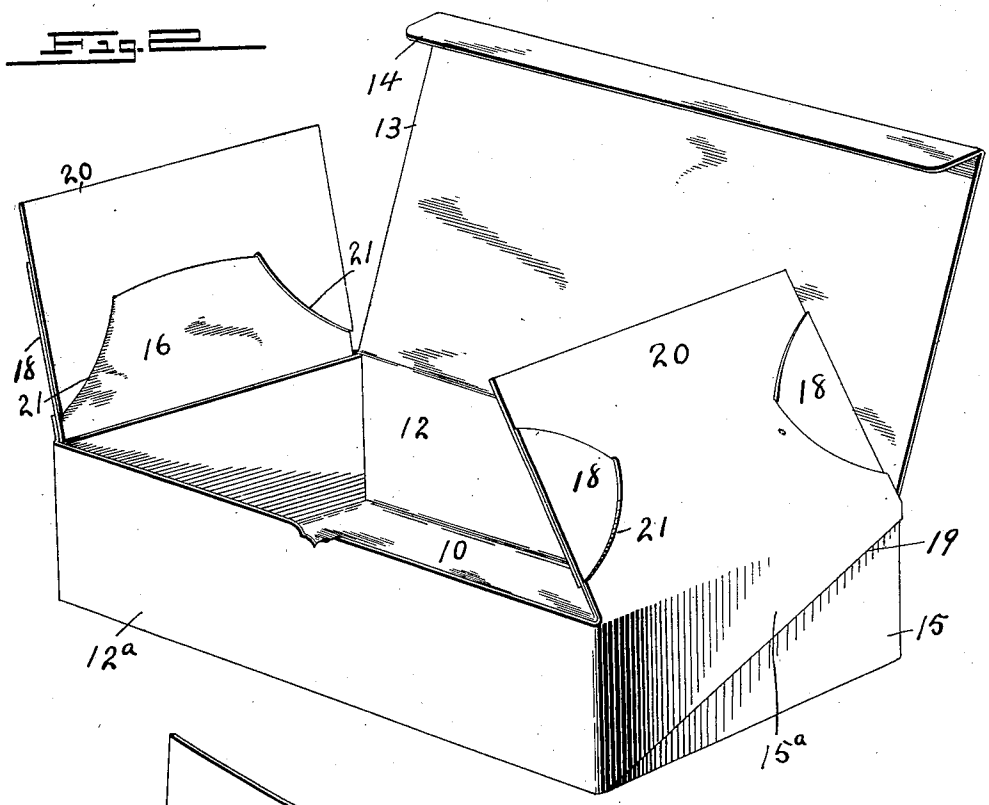
Z. B. WEBB.

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APPLICATION FILED APR. 25, 1902.

NO MODEL. 2 SHEETS—SHEET 2

Fig. 2



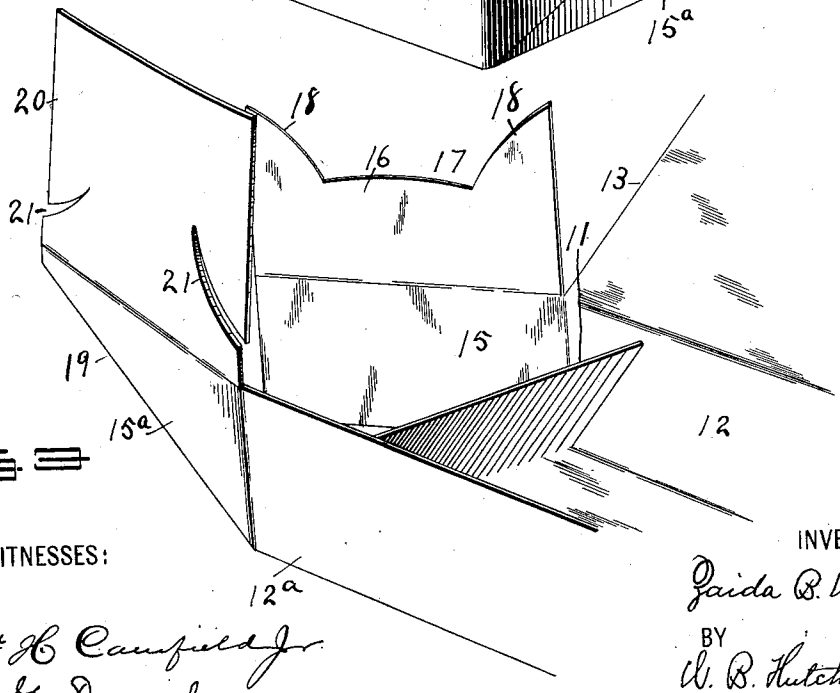


Fig. 3

WITNESSES:

Wm. H. Canfield Jr.

J. G. Dunbar.

INVENTOR

Zaida B. Webb.

BY

W. B. Hutchinson.

ATTORNEY

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 732,329. Patented June 30, 1903.

UNITED STATES PATENT OFFICE.

ZAIDA B. WEBB, OF FLORHAM PARK, NEW JERSEY, ASSIGNOR TO WEBB FOLDING BOX COMPANY, OF NEWARK, NEW JERSEY, A CORPORATION OF NEW JERSEY.

FOLDING BOX.

SPECIFICATION forming part of Letters Patent No. 732,329, dated June 30, 1903.

Application filed April 25, 1902. Serial No. 104,697. (No model.)

To all whom it may concern:

Be it known that I, ZAIDA B. WEBB, of Florham Park, Morris county, New Jersey, have invented certain new and useful 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 made to be set up without the use of glue; and the object of my invention is to produce a simple form of folding box which can be very easily manipulated so as to set it up or knock it down, which cuts to advantage, which affords a very tight and handsome package, and which has a fastening means for securing the parts of the box ends together, the said means being simple, but exceptionally strong.

To these ends my invention consists of certain features of construction and combinations of parts, which will be hereinafter 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 similar parts throughout the several views.

Figure 1 is a development of the box-blank, showing my improvements. Fig. 2 is a perspective view of the formed but open box, and Fig. 3 is a broken perspective view of a partly-formed box.

The box can be made of any suitable material, such as paper, and it has a rectangular bottom portion 10, from two opposite ends of which extend the end pieces 11, these corresponding in width to the width of the box and in height to the height of the box, while from the two remaining edges of the bottom portion 10 project the side pieces 12 and 12^a, which are also of the height of the box and run the full length thereof. Both side pieces and end pieces are adapted to turn up perpendicularly to the box-bottom in forming the box. One of the side pieces (the side piece 12, as shown) has attached to its upper edge the usual cover or top 13, and this has a common form of terminal tuck 14. The cover or top, however, forms no part of the present invention.

Projecting from the ends of the side piece 12 are the wings 15, which are of the height of the box and are preferably of the full width of the box, these wings being adapted to fold inward across the end pieces 11 in forming the box. From the upper edge of each wing 15 projects a flap 16, which is the full width of the wing or box, and the flap is cut away at its upper or free edge and near the center, as shown at 17, so as to produce the ears 18. These, it will be observed, are formed at the opposite terminal edges of the flap, as by having them at this point they make an easy connection with the flap 20, to be presently described, and, moreover, the locking is very secure.

The second side pieces 12^a, as also the terminal wings 15^a, are adapted to fold across the outer sides of the box ends, and each wing 15^a instead of being straight on its upper and lower edges is preferably cut diagonally on the lower edge, as shown at 19, so that the wing at its base or point of attachment is of the width of the box; but it tapers to almost a point at the free edge, thus giving a handsome finish to the box end, as shown in Fig. 2, and also preventing the lower end of the paper from flapping and curling, as would be the case if the wing were left the full bigness of the box end. From the upper edge of each wing 15^a projects a relatively wide flap 20, which is adapted to overlap the flap 16 of the wing 15, and the flap 20 is considerably wider than the flap 16. In opposite side edges of the flap 20 are curved slots 21, which extend inward and upward from the side edges of the flap, and these are adapted to receive the ears 18, already referred to, which project through the slots and lie against the flap 20. When the flaps 16 and 20 are thus fastened together, the union is very strong, and it can be affected instantly. The flaps 20 are made wider to provide a stronger flap after the slits 21 are cut into it and overlapping the flap 16 with its ears 18 forms a protection for these ears, and this additional width of the flap 20 is desirable, as it facilitates the locking and also provides a better purchase for the ears 18 when the flaps are joined to lock the ends of the box.

In setting up the box the end pieces 11 are turned up, the side pieces 12 are also turned up, the wings 15 are folded inward across the end pieces 11, the wings 15^a folded inward across the wings 15, and the ears 18 are inserted in the slots 21 of the flaps 20, so that the united flaps 16 and 20 form for all practical purposes a single flap adapted to fold inward over the contents of the box. By reference to Fig. 2 it will be seen that this construction makes a box which is perfectly plain on the inside and is very tight and the fastening of which is secure.

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

1. In a folding box, the combination with the box-bottom, the inwardly-turning end pieces, and side pieces on the edges of the bottom, of the inwardly-folding wings projecting from the ends of the side pieces, one set of wings having top flaps with a plurality of ears thereon, and a second set of wings having wider flaps than those of the first wings, the said wider flaps projecting from the top edges of the second set of wings, and having in the side edges thereof slots to engage the ears of the first flaps.

2. As an improved article of manufacture, a folding box comprising a bottom portion, end pieces projecting from two edges of the bottom portion, side pieces projecting from the two remaining edges of the bottom, inwardly-folding wings on the ends of one side piece, said wings having top flaps the width of the wings and with terminal ears at their free edges, wings on the ends of the second side piece, the said wings being cut diagonally from their point of attachment to the side piece to points adjacent to their upper edges, and flaps on the top edges of the second set of wings, the said flaps having inwardly and upwardly extending slots cut into the edges thereof to engage the above-mentioned ears.

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

ZAIDA B. WEBB.

In presence of—

WARREN B. HUTCHINSON,

THERON DAVIS.