

(No Model.)

F. W. WILCOX.
BOX FORM WRAPPER.

No. 534,308.

Patented Feb. 19, 1895.

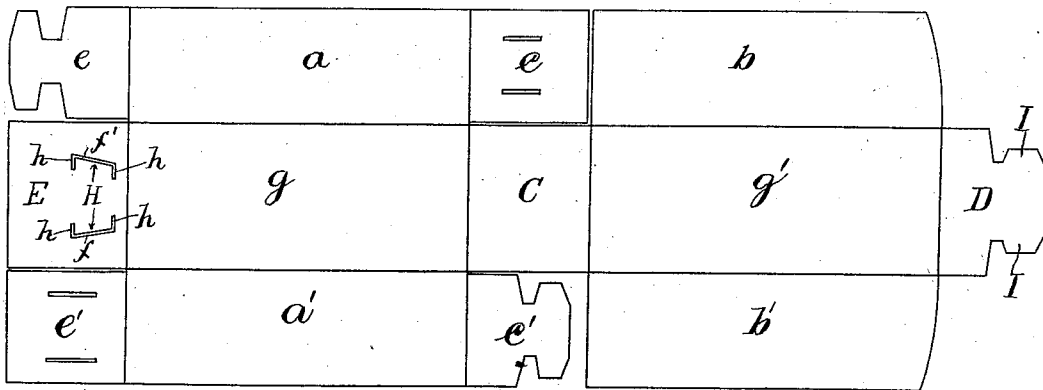


Fig. 1.

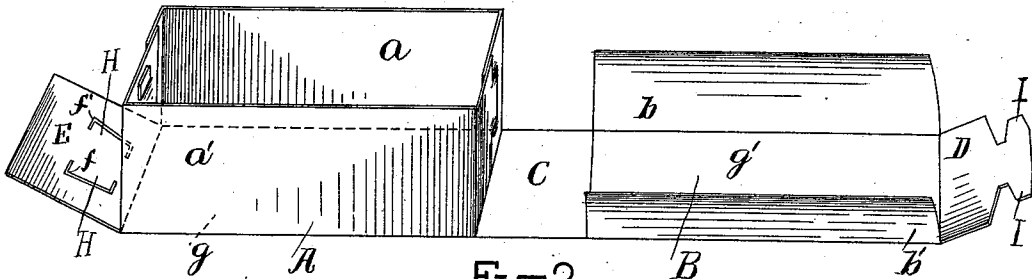


Fig. 2.

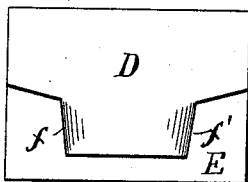


Fig. 4.

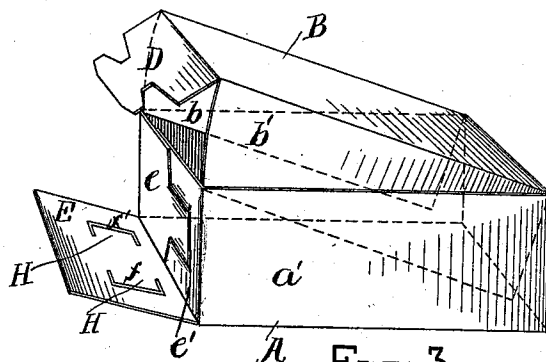


Fig. 3.

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UNITED STATES PATENT OFFICE.

FREDERICK WEEKS WILCOX, OF CHICAGO, ILLINOIS.

BOX-FORM WRAPPER.

SPECIFICATION forming part of Letters Patent No. 584,308, dated February 19, 1895.

Application filed February 19, 1894. Serial No. 500,656. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK WEEKS WILCOX, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Box-Form Wrappers, of which the following is a specification.

My invention relates to improvements in paper boxes and may be styled a box-form wrapper and is cut from any suitable material in a single piece. The blank thus cut from such material (which may be heavy Manila paper) when folded by the directions and in the manner herein specified forms a display-box and wrapper of peculiar and advantageous form, requiring no gluing of the parts, and no fastening by foreign aid, retaining its form while permitting a partial opening to display its contents and adapted to be again readily closed and locked into a compact box.

Reference is had to the accompanying drawings, in which similar letters refer to similar parts.

Figure 1 represents the blank when cut and scored ready for folding. Fig. 2 shows the blank partially folded exhibiting the box form end, reinforcements and lid. Fig. 3 represents the lid brought over the box-form for final adjustment and locking. Fig. 4 is an end view of the locked end of the box when finally adjusted.

Similar letters refer to similar parts throughout the several views.

In the drawings A represents the box-form; B, the cover; C, a reinforcing end, and D an end-piece having a T-shaped edge interlocking with the end-piece E to finally lock the box form and cover into a complete box.

Fig. 1 shows the shape to which the blank is cut and ruled, in which *a* and *a'* are opposite sides of the box. *g* and *g'* are respectively bottom and top of box and lid and *b* and *b'* are opposite sides of the lid. *c* and *c'* and *e* and *e'* are respectively interlocking end-pieces, and D, E, are opposite end pieces which finally lock the form and reinforce the ends. The tuck-slots in E, *f*, and *f'* are cut at an angle with the edges of the part and the slots have also recesses *h h* at their ends in order that the pieces D and E may lie more smoothly over the several end thicknesses.

Fig. 2 shows the box-form partially constructed and in the position in which it may receive its contents. This is also the position to which it is opened to display or disclose the contents. One end of each of the parts *b* and *b'* are rounded off so that these portions in their gradual descent into the box may push out the corners thereof as shown in Fig. 3, and when seated in the box, shove out and support them.

Fig. 3 illustrates the lid B closing into the box-form preparatory to being locked by tucking the T edged part D into the slots in E.

When completed the box has three supporting thicknesses at one end of the box and four at the other end useful in supporting the sides, in retaining the form, and in protecting the contents when they are fragile, as the sealed ends of bottles, &c. The box when fastened shows only plain surfaces on sides and ends except on top which takes the appearance shown in Fig. 4.

The box form should be locked at one end and preferably at both ends to retain its form and the complete box must therefore have two locks and may have three, thus insuring retention of form without mucilage or glue. Thus the blank in one piece forms a box which it fastens, supports, and locks by its own parts and finally covers and closes with a final lock which is the only one disclosed upon the outside.

In addition to the before mentioned advantage of the recesses *h* the portion H of the end E lying between the recesses *h*, having its support removed by the recession at *h*, *h*, is when struck by the entering lobes I, I, of the T-edged end-piece D, depressed, and thus forms a broad inclined way, for the guidance of the lobes into the slots *f f'* allowing the end to be locked more easily. The recesses *h h* do not destroy the binding effect of the lock as after the lobes I, I, have entered the slots *f f'* the apron H springs back to its normal position as a part of the end-piece E and the lobes of the T-edged end-piece draw against the end of the slot in the same manner as if the recesses had not been made.

What I claim, and desire to secure by Letters Patent of the United States, is—

1. A wrapper for merchandise, formed from one continuous blank shaped and creased to

allow within its body a locked box-form and a hinged, locking lid therefor, said box-form being composed of the bottom *g*, sides, *a*, *a'*, ends, *e* *e'*, and *c* *c'*, and said lid being formed
 5 of the hinge C, top *g'*, sides *b* *b'*, and locking pieces D and E, substantially as described and shown.

2. The combination in a wrapper for merchandise, formed from one continuous blank,
 10 of the box-form A, composed of the bottom *g*, sides *a*, *a'*, interlocking ends *e*, *e'*, and *c*, *c'*, the hinge C, the lid B having a top *g'*, sides *b*, *b'*, and locking outer ends D and E, substantially as described and shown.

15 3. In a wrapper formed from one continuous blank, and adapted to inclose merchandise and also to permit a partial display of said merchandise without entirely unwrapping the same, the combination of the box-

form A, composed of the bottom *g*, sides *a* *a'*, 20 and interlocking ends *e* *e'*, the hinge C and lid B, substantially as described and shown.

4. In a wrapper formed from one continuous blank, and adapted to inclose merchandise and also to permit a partial display of 25 said merchandise without entirely unwrapping the same, the combination of the box-form A, composed of the bottom *g*, sides *a*, *a'*, and interlocking ends *e*, *e'*, the hinge C and lid B, and outer interlocking ends D and E, sub- 30 stantially as described and shown.

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

FREDERICK WEEKS WILCOX.

Witnesses:

JOHN J. AMES,
 A. R. WHITNEY.