

UNITED STATES PATENT OFFICE.

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BOX.

No. 874,099.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, AUGUST MERCKENS, a citizen of the United States, residing at Bath Beach, in the borough of Brooklyn, county of Kings, city and State of New York, have invented an Improvement in Boxes, of which the following is a specification.

My present invention relates to boxes and particularly to folding or knock-down boxes adapted to contain confections and other similar goods, the object thereof being to provide a box of this class so constructed that when set up the contents of the box coacts with the parts or members thereof to assist in maintaining the same in their set up relationship.

In carrying out my invention I employ a sheet of suitable material so shaped and cut as to be folded to form the bottom, side, end, and top members of a box. Each end member of my improved box is preferably composed of parts connected to or integral with the bottom and side members, there being provided end outer members and end inner members integral with the bottom member of the box, and end intermediate members integral with the side members of the box, and a tongue cut in each of the said end intermediate members and adapted to engage the said end inner members to maintain the parts of the box in their set up relationship, as will be hereinafter more particularly described.

In the drawing Figure 1 is a plan of a blank cut to form my improved box, Fig. 2 is a section taken transversely through the box when set up, and Fig. 3 is a section on line *x x* Fig. 2.

Referring to the drawing, I prefer to employ a blank of cardboard or other similar suitable material shaped as illustrated in Fig. 1 and cut on the lines 10, 11, 12, and 13, and adapted to be folded on the dotted lines 16 to 24 inclusive to form my improved box.

a designates the bottom member, *b c* respectively are the oppositely disposed side members preferably integral with the bottom member *a*, and *f* is the top member integral with the side member *b* and *g* is a flap integral with the top member *f*.

d e respectively are end outer members, and *j j* end inner members, and these end outer and inner members are preferably con-

tinuations of the bottom member *a* and are integral with each other and with the said bottom member *a*.

Integral with and extending from the ends of the side member *b* there are end intermediate members *h h*, and similarly integral with and extending from the ends of the side member *c* there are end intermediate members *i i*. Each end intermediate member *h* is cut on the line 14 forming therein a tongue *k*, and each end intermediate member *i* is cut on the line 15 forming therein the tongue *l*, and moreover each end inner member *j* is cut on the lines 16, 16 forming therein a tongue *m*.

Now in setting up the box to be made from the hereinbefore described blank the side members *b c* are first folded on the dotted lines 16, 17 respectively to positions at right angles to the bottom member *a*, the end intermediate members *h h* and *i i* are then folded in turn on the dotted lines 20 and 21 respectively to positions at right angles to their respective side members *b c* so that each pair of end intermediate members *h i* are in a straight line, and next the end outer members *d e* are folded on the dotted lines 18 and 19 respectively to positions also at right angles to the bottom member *a* and in which positions their inner surfaces will contact with the outer surfaces of the said end intermediate members *h i*. Then the end inner members *j j*, in turn, are folded on the dotted lines 22, each end inner member *j* being turned over the upper edges of the adjacent end intermediate members *h i*, and down against their inner surfaces, and the tongue *m* in each end inner member *j* is then passed behind the protruding ends of the tongues *k l* in the adjacent end intermediate members *h i*, as is clearly shown in Figs. 2 and 3, in which positions the protruding ends of the tongues *k l* are caused to bear against the outer surfaces of the tongues *m*.

It will now be apparent that in the hereinbefore described box structure that when the box is filled the contents thereof will press against the protruding ends of the tongues *k* and *l*, keeping the same in place and so maintaining the parts of the box in their set up relationship.

I claim as my invention.

A box comprising a bottom member, side members, an end outer member and an end inner member at each end of the box and

both integral with each other and with the
said bottom member, a tongue cut in each
of the said end inner members, end inter-
mediate members integral with the said side
5 members and extending beyond the ends of
the same, and a tongue cut in each of the
said end intermediate members and each
adapted to pass through the end inner mem-
ber and engage the tongue thereof to main-

tain the parts of the box in their set up 10
relationship.

Signed by me this 28th day of February
1907.

AUGUST MERCKENS.

Witnesses:

WILLIAM R. PHELAN,
WILLIAM K. JERMY.