

(No Model.)

E. L. MEYER.
PAPER BOX.

No. 354,726.

Patented Dec. 21, 1886.

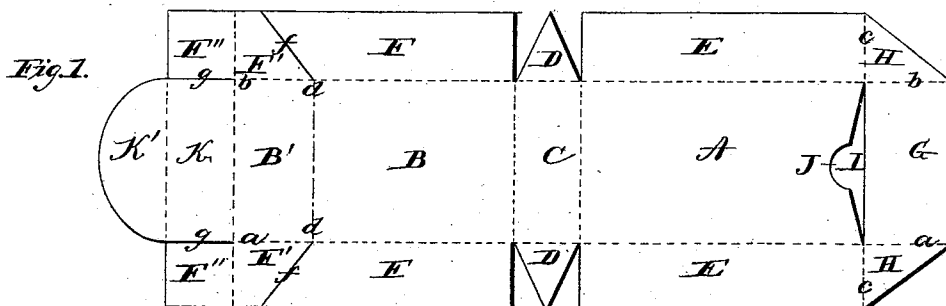


Fig. 2.

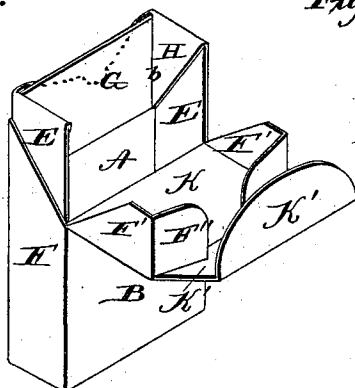


Fig. 3.

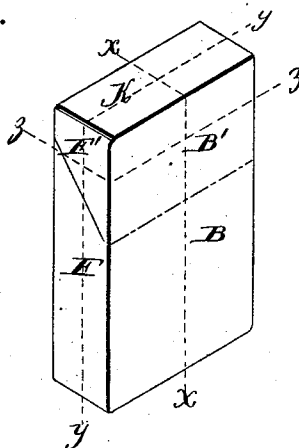


Fig. 4.

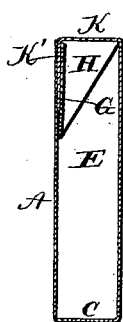


Fig. 5.

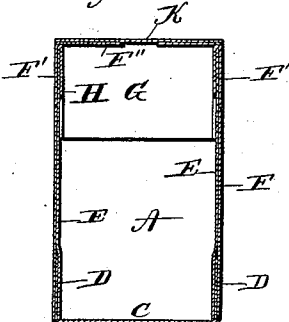
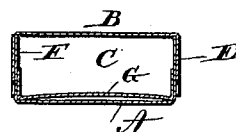


Fig. 6.



Witnesses

F. L. Ouraud

Bennett S. Jones

Emil L. Meyer,
Inventor

By his Attorneys
Louis Ragger & Co.

UNITED STATES PATENT OFFICE.

EMIL L. MEYER, OF NEW YORK, N. Y., ASSIGNOR TO J. S. NUGENT & CO., OF
SAME PLACE.

PAPER BOX.

SPECIFICATION forming part of Letters Patent No. 354,726, dated December 21, 1886.

Application filed October 25, 1886. Serial No. 217,120. (No model.)

To all whom it may concern:

Be it known that I, EMIL L. MEYER, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Boxes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a plan view of the flat paper blank used in the manufacture of my improved box. Fig. 2 is a perspective view of the finished box, showing the same open. Fig. 3 is a similar view of the complete and finished box, showing it closed. Fig. 4 is a longitudinal transverse section through the box on line *x x*. Fig. 5 is a longitudinal sectional view through the plane denoted by the line *y y*; and Fig. 6 is a horizontal cross-section on the line *z z*.

Like letters of reference indicate corresponding parts in the several figures.

My invention has relation to boxes made of paper, pasteboard, thin wooden veneers, or similar material, and adapted for holding cigars or cigarettes, playing-cards, confections, &c.; and it consists in the improved construction of a box of that class, as will be hereinafter more fully set forth.

My improved box is made from a single piece of paper or other suitable material, which is cut to form a flat blank of the shape and general construction shown in Fig. 1. By reference to this figure, it will be seen that this blank consists of two parts, A and B, forming, respectively, the front side and back of the finished box, and connected by the bottom piece, C. Said bottom piece has its sides extended to form triangular wings or flaps D D, and the parts A and B are similarly provided with side flaps, E E and F F, corresponding in width to the width of the triangular flaps D from the point to the base. In order to enable these flaps D D, E E, and F F to be bent or folded easily and accurately, the blank is scored or creased along the two parallel lines *a a* and *b b* from end to end. The front side or part, A, has an extension, G, which is connected to the

side flaps E E by two triangular webs, H H—one on each side. A score or crease (denoted by the line *c c*) extends crosswise of the parts E A E, separating them from the parts or extensions H G H, and between the two side scores, *a a* and *b b*, an opening, I, is cut in the blank, which further separates the part A from the flap or extension G, and which may have an enlargement, J, if desired, although such enlargement is not necessary and may be omitted. The part B, between the side flaps F F, is scored on the back, as indicated by the broken line marked *d d*, to allow its upper part, B', to be bent backward, and said upper part, B', is provided with an extension, K, which forms the top or cover of the box, and has a suitably-shaped tongue or tuck, K'. The two side flaps F F have oblique cuts *f f*, extending from their outer edges to the back score, *d d*, whereby wings F' and F' are formed, the upper part of each of which has an extension, F'', which is separated from the cover-flap K by a cut, *g*, extending from the top of said flap to the cross-crease *a b*. In folding this blank to form the box the parts H G H are doubled upon the parts E A E, on the inside, as shown, whereby it will be seen that said doubled parts will stiffen and re-enforce the upper part of the completed box. The side flaps F F are bent at right angles to the middle part or back piece, B, lapped over the side flaps E E of the part A, and glued or cemented to the same; but the wings F' F', above the flaps F F, are not so fastened to the inner flaps or sides, E E, but are left free to swing back with the upper part, B', when the box is opened and it is desired to exhibit the contents of the same without removing them.

In closing the box the extensions or flaps F'' F'' are first folded over the open top, after which the top part or cover, K, is bent over the top and fastened by inserting the tongue or tuck K' into the narrow slot I.

From the foregoing it will be seen that this box is constructed from a flat blank in a single piece, and that said blank is of such a shape as to economize material to the greatest possible extent, as it is cut with scarcely any waste.

Any printed matter which it is desired to have on the box may be impressed on the blank

by a single operation before folding, and as the box is made with double sides and a re-enforced top, it is not easily crushed out of shape when carried in the pocket.

5 Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The herein-described flat blank for the manufacture of boxes, consisting of the part
10 A, having side flaps E E, extension H G H, and slot or aperture I, part C, having wings D D, and part B B', having side flaps F F, top K, and tongue or tuck K', said side flaps F having oblique cuts *f*, whereby wings F' are
15 formed, provided with extensions F'', substantially as and for the purpose shown and set forth.

2. As an improved article of manufacture,

the hereinbefore-described box, consisting of a flat blank cut and creased or scored, as shown, 20 and folded, as described, so as to form a complete box having an inside re-enforcing web at the top with a slot or opening adapted to receive and hold the tuck of the cover, and provided with an upper part adapted to fold 25 backward, and having a top piece and side flaps, constructed and arranged substantially as set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature 30 in presence of two witnesses.

EMIL L. MEYER.

Witnesses:

JOHN J. WARD,
ROBERT WILHELM.