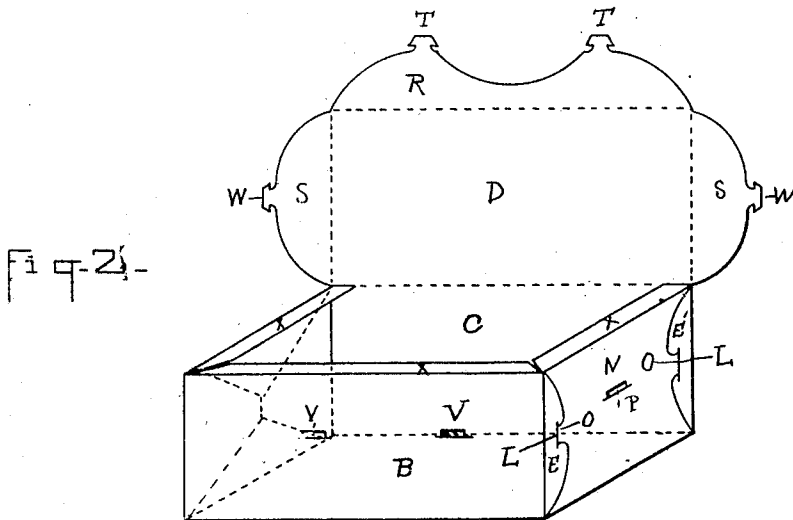
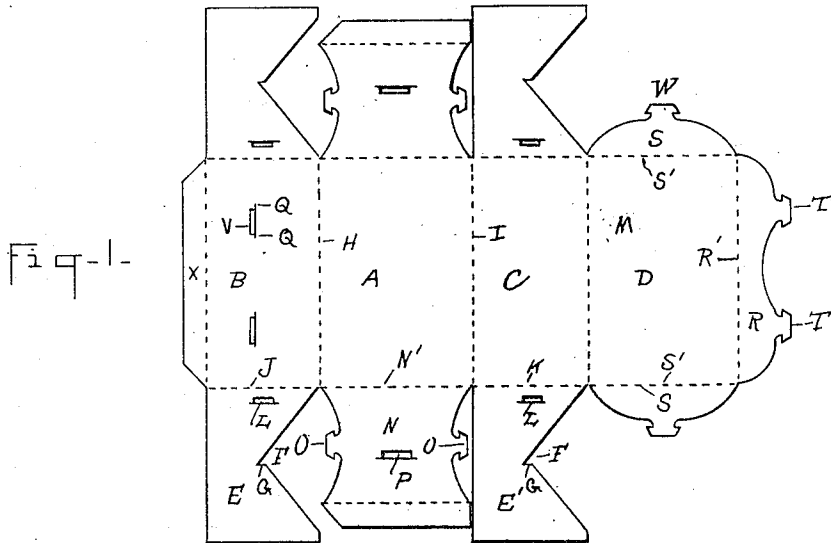


G. C. PALMER.
BOX OR CARTON.
APPLICATION FILED SEPT. 28, 1908.

926,208.

Patented June 29, 1909.



WITNESSES -
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UNITED STATES PATENT OFFICE.

COOLEIDGE C. PALMER, OF NORFOLK, VIRGINIA, ASSIGNOR TO GLEGGE THOMAS, OF BROOKLYN, NEW YORK.

BOX OR CARTON.

No. 926,208.

Specification of Letters Patent.

Patented June 29, 1909.

Application filed September 28, 1908. Serial No. 455,034.

To all whom it may concern:

Be it known that I, COOLEIDGE C. PALMER, a citizen of the United States, residing at Norfolk, in the county of Norfolk, State of Virginia, have invented new and useful Improvements in Boxes or Cartons, of which the following is a specification.

This invention relates to carriers, cartons, boxes, packages, etc., and more particularly to such as are made of bendable material such as pasteboard, leather, etc.

Its object is to form from a single blank a device of the character described which can be readily formed up from the blank and securely covered, the parts folding and interlocking in such manner that it cannot be readily opened without destroying the locking features of the box.

In the drawing herewith accompanying and making part of this application, Figure 1 is a plan view of the blank from which the box is to be formed, the dotted lines showing the lines on which the blank is to be folded, and Fig. 2 is a perspective view of the box formed from the blank shown in Fig. 1, the cover being shown open.

Same letters of reference refer to like parts.

In said drawing A shows the bottom of the box, B one side, C the other side and D the part of the cover which serves for the top of the box. The ends are formed of similar parts so that a description of one end will be equally applicable to the other end. The end is formed by flaps E—E' and N extending outwardly from the sides B and C and the bottom A respectively, said flaps E—E' being provided with V-shaped indents F, one side cut deeper than the other, forming interlocking shoulders C, and with tongue-receiving openings L, and said flap N being provided with interlocking tongues O and a tongue-receiving opening P. When the blank is open as shown in Fig. 1, said indents extend in the same direction.

The side B is provided with tongue-receiving openings V and the cover D is provided with a flap R extending out from the side thereof, and flaps S extending out from the ends thereof, flaps S being provided with interlocking tongues W and flap R with one or more interlocking tongues T. The tongues are arrow or dart shaped and the tongue-receiving openings are formed by removing a rectangular part about equal to the thickness of the material of which the

blank is made and then slitting the blank at one side of the opening short distances beyond the openings as seen at Q. The tapering character of the tongues permits them to be thrust into said tongue-receiving openings, the square shoulders thereof locking them firmly therein so that to open the box it will be necessary to break the tongues. If desired the side part B and the flaps N may be provided with flanges X adapted to be folded inward as shown in Fig. 2.

The box is formed by bending the parts on the dotted lines shown in Fig. 1 in the following manner. The sides B and C are bent on lines H and I to a vertical position relative to the bottom A. The flaps E—E' are then bent on lines J and K respectively toward each other, the free end of one passing over and interlocking with the free end of the other, both inside, so that the tongue receiving openings L in each are on the outside, the shoulders G interlocking and holding the sides firmly. The flap N is then folded on line N' up against the end, the tongues O being forced into the tongue-receiving openings L. The box is then closed by folding down cover D on line M until it rests upon the top of the box. The flap R is then folded on line R' down the opposite side of the box and the tongue or tongues T forced into the tongue-receiving opening or openings V. The end flaps S are then folded on lines S' down upon the ends and the tongues W forced into the tongue-receiving openings P thus securely locking all parts of the box together making a very firm substantial box.

The advantages of my improved box or carton are that it is formed of a single blank without separate fastening devices. It cannot be opened without breaking the locking tongues. It is readily assembled from the blank and is practically non-refillable.

Having thus described my invention and its use I claim:—

1. A box or carton formed of a single blank comprising a bottom, sides and top, the sides provided with flaps adapted to fold and interlock to form the ends of the box, the bottom provided with flaps adapted to fold against said ends and the top provided with flaps adapted to fold down against said ends and a flap adapted to fold down against the side, one side, the flaps on the sides and the flaps on the bottom being provided with

tongue-receiving openings, the flaps on the bottom being provided with locking tongues adapted to take into the tongue-receiving openings in the flaps on the sides and the flaps on the cover being provided with locking tongues adapted to take into the tongue-receiving openings in the flaps on the bottom and with tongues adapted to take into the tongue-receiving openings in the side.

10 2. A box or carton formed of a single blank comprising a bottom, sides and top, the sides provided with flaps having indents and interlocking shoulders and adapted to fold and interlock to form the ends of the box, the bottom provided with flaps adapted to fold against said ends and the top provided with flaps adapted to fold down against said ends and a flap adapted to fold down against the sides, one side, the flaps on the sides and the flaps on the bottom being provided with tongue-receiving openings, the flaps on the bottom being provided with locking tongues adapted to take into the tongue-receiving openings in the flaps on the sides and the flaps on the cover being provided with locking tongues adapted to take into the tongue-receiving openings in the flaps on the bottom and with tongues adapted to take into the tongue-receiving openings in the side.

30 in the side.

3. A box or carton formed of a single blank comprising a bottom, sides and top, the sides provided with flaps adapted to fold and interlock to form the ends of the box, the bottom provided with flaps adapted to fold against said ends and the top provided with flaps adapted to fold down against said ends and a flap adapted to fold down against the side, one side, the flaps on the sides, and the flaps on the bottom being provided with tongue-receiving openings and slits extending out from one side thereof, the flaps on the bottom being provided with locking tongues adapted to take into the tongue-receiving openings in the flaps on the sides and the flaps on the cover being provided with locking tongues adapted to take into the tongue-receiving openings in the flaps on the bottom and with tongues adapted to take into the tongue-receiving openings in the side.

In testimony whereof, I have signed my name to this specification in presence of two subscribing witnesses this twenty second day of September, 1908.

COOLEIDGE C. PALMER.

Witnesses:

EDMUND S. RUFFIN,
WM. W. DEE.