

Sept. 18, 1923.

1,468,237

J. J. KEHN

BOX

Filed Nov. 15, 1919

Fig. 1

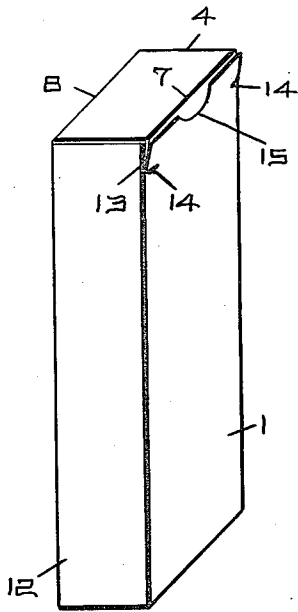


Fig. 2

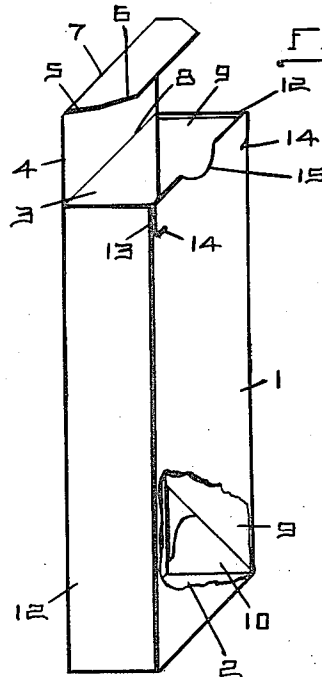
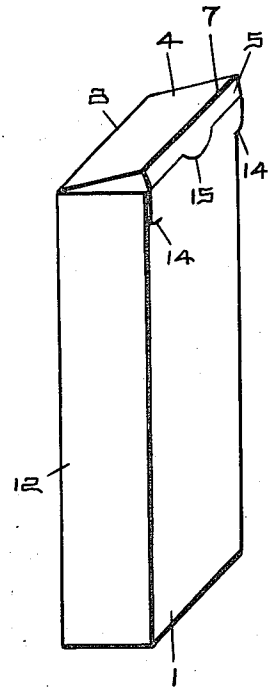


Fig. 3

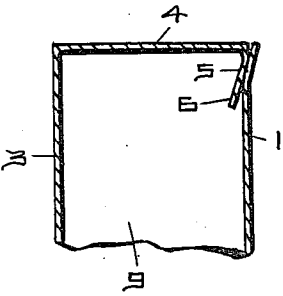


Fig. 4

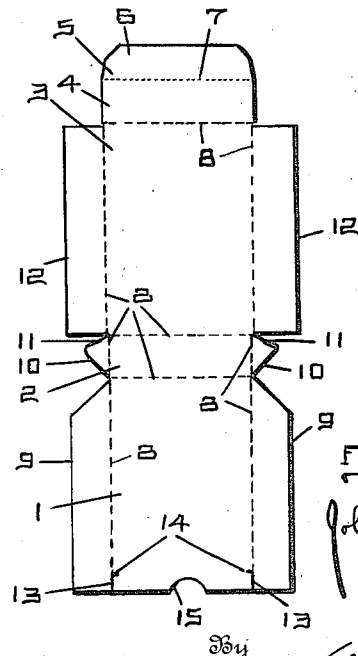


Fig. 5

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1,468,237

UNITED STATES PATENT OFFICE.

JOHN J. KEHN, OF TOLEDO, OHIO.

BOX.

Application filed November 15, 1919. Serial No. 338,147.

To all whom it may concern:

Be it known that I, JOHN J. KEHN, a citizen of the United States of America, residing at Toledo, Lucas County, Ohio, have invented new and useful Boxes, of which the following is a specification.

This invention relates to tight closure features for hinged lid boxes.

This invention has utility when incorporated in heavy paper or card-board boxes, especially for pocket tobacco boxes.

Referring to the drawings:

Fig. 1 is a perspective view of an embodiment of the invention in a pocket tobacco box, the lid of the box being closed;

Fig. 2 is a view similar to Fig. 1, with the lid of the box open;

Fig. 3 is a view similar to Fig. 1, with the lid of the box partially open;

Fig. 4 is a detail view on an enlarged scale, in section, of the box adjacent the closed lid; and

Fig. 5 is a plan view of the blank for the box.

In carrying out the invention herein, it may be satisfactorily accomplished by providing a paper stock say of two ply bristol board as a unitary blank. This blank is shown herein as having a first side 1 in line with a bottom 2 of the same width. Connected to this bottom 2 to oppose the first side 1 is a second side 3. This second side 3 remote from the bottom 2 has a top 4 of greater width than the side 3. Extending from the free edge of this top of lid section 4 is a flap having a slightly narrowed portion 5 with a more abruptly narrowed portion 6. This flap 5, 6, is connected to the top 4 by a slight creasing 7 to give it springy action as to the hinged lid 4.

The lid 4 is hinged by a low cutting rule groove or marking 8 as is the marking between the other sides. The side 1 has from each side thereof a narrow side 9 cut away at an angle of 45° toward the side or bottom 2. This bottom 2 laterally terminates in extensions 10 cut away at 45° to meet the sides 9 while slightly cut away at portion 11 toward the side 3 for clearance in ready folding between side portions 12, which side portions 12 in the setting up of the box have been glued to engage the extension 10 as well as the sides 9 folding inside the sides 2.

As thus set up, the top portion 4 may swing over the open end of set up box and

the flap 5, 6, may be inserted inside the upper portion of the opposing side 1. This is permitted for the upper edge of this side 1 adjacent the top has cut-in portions 13 say by high cutting rule terminating in inward-cuts 14 so that this terminal portion of the side 1 is yieldable. With the flap 5, 6, thus inserted back of this upper yieldable section of the side 1, it may readily be removed therefrom due to the thumb cut-out portion 15 in the side 1 where a pushing may occur in moving this flap out of the side in opening the box.

With the dimensions of this paper box approximating the dimensions of a metal box, the same machinery which is used in the filling of tobacco into the metal boxes may with slight, if any, adaptation be used in filling this card-board box. The lid 4, 5, 6, may be swung downward out of the way and the opening into the box is clear for the insertion of the loading of tobacco thereinto. With the box loaded with the tobacco, the flap sealed by a stamp over the top, effects a tight closure sufficiently air-tight to retain the moisture of the tobacco in the box. Upon breaking the seal, the lid 4, 5, 6, may be opened. When such lid is closed, the terminal portions of the section 4 of the lid rest on the double wall sides. The yieldable section of the side 1 fits for a tight closure against sifting out of any loose stock. The paste sealing of the extensions 10 against the sides 12 below the sides 2, make the bottom of this box tight.

The blank is simple in form with a small amount of stock in a blank, economically cut and assembled as well as simply put into use.

What is claimed and it is desired to secure by Letters Patent is:

1. A box closure wider than the box sides and provided with an extension, said box having a front slitted from said sides adjacent the box opening, said slitted front being a normal extension of the box side to said opening, which opening has the adjoining box sides terminate at such opening to be abutted by the closure wider portion, with the closure extension therebeyond insertable back of said slitted front.

2. A box having a back, a front, and sides surrounding an opening, said sides terminating at said opening in a plane, said back having a closure hinged thereto adjacent said plane and wider than the opening to rest

upon the sides at the opening when the closure is in box closing position peripherally within the box extent, there being an extension tuck-in flap carried by the closure and
5 narrower than said closure, said front being yieldable adjacent the opening to frictionally lock the box against sifting out of material therefrom.

3. A box having a back, two sides extending from said back and with said back forming three sides of an opening, said sides terminating at said opening, a front separated from said sides adjacent said opening, and a one flap full closure for the box opening hinged to the back adjacent the terminations of the sides and wider than the opening to rest upon said sides when in box closing position, said closure having a tuck-in flap extension entering the box from the top at the region of the front separated
15 from the sides.
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In witness whereof I affix my signature.

JOHN J. KEHN.