

Jan. 6, 1925.

1,521,846

J. J. TYER

METHOD FOR MAKING BOXES

Filed June 6, 1923

Fig. 1.

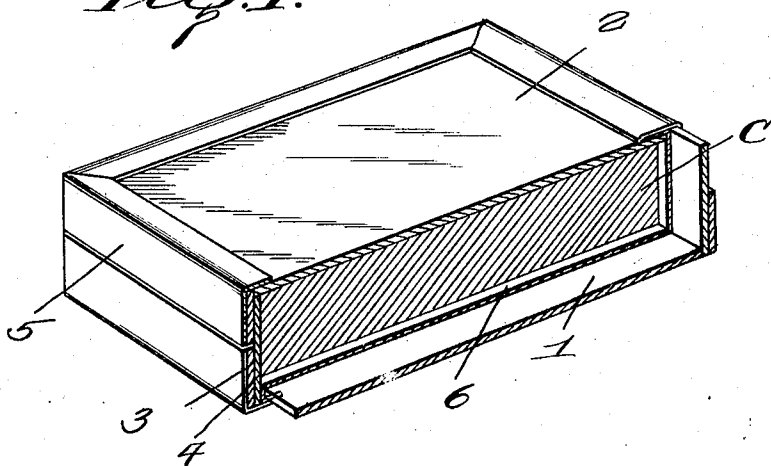


Fig. 2.

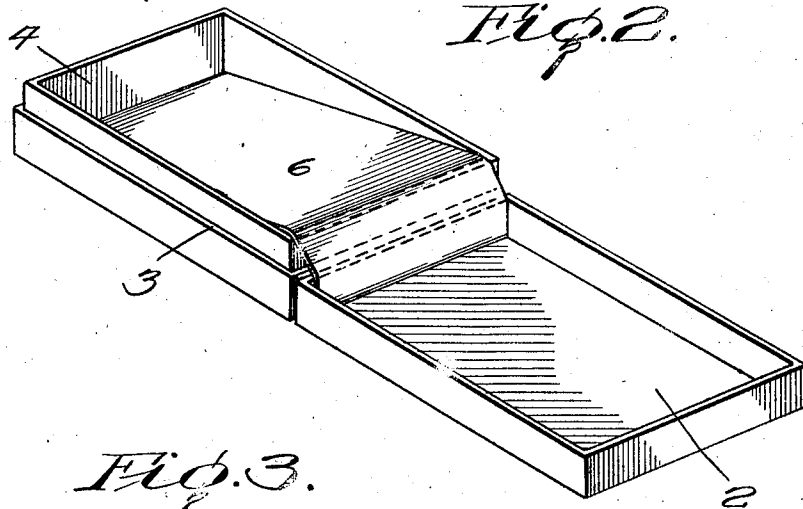
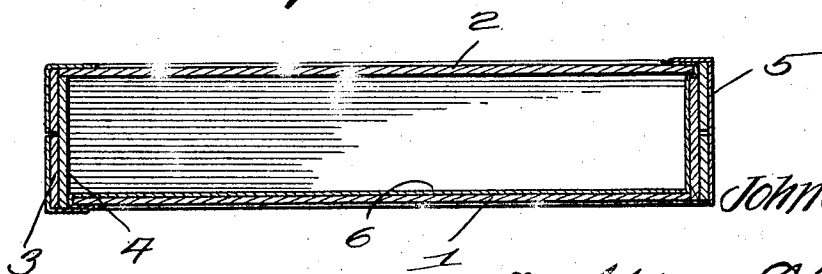


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOHN J. TYER, OF GREENSBORO, NORTH CAROLINA.

METHOD FOR MAKING BOXES.

Application filed June 6, 1923. Serial No. 643,656.

To all whom it may concern:

Be it known that I, JOHN J. TYER, a citizen of the United States, residing at Greensboro, in the county of Guilford and State of North Carolina, have invented certain new and useful Improvements in Methods for Making Boxes, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to certain improvements in boxes and methods for making the same and it is an object of the invention to provide a novel and improved box of this general character comprising a box bottom
15 part having a hinged box cover part associated therewith together with means associated with both of said parts for lifting the contents of the box bottom part upon movement of the box cover part into open
20 position.

It is also an object of the invention to provide a novel and improved box of this general character especially designed and adapted for use in connection with cigarettes
25 or the like and wherein a web or strip is provided for lifting the contents of the box bottom part when the box cover part is raised or lifted into open position.

The invention consists in the details of
30 construction and in the combination and arrangement of the several parts of my improved box whereby certain important advantages are attained and the device rendered simpler, less expensive and otherwise
35 more convenient and advantageous for use, as will be hereinafter more fully set forth.

The novel features of my invention will hereinafter be definitely claimed.

In order that my invention may be the
40 better understood, I will now proceed to describe the same with reference to the accompanying drawings, wherein:—

Figure 1 is a fragmentary view in perspective illustrating a box and the method
45 of making the same in accordance with an embodiment of my invention;

Figure 2 is a view in perspective with a portion broken away of a box constructed in accordance with an embodiment of my invention, the box cover part being shown
50 raised and showing the position of the lifting web or strip;

Figure 3 is a longitudinal sectional view taken through a box constructed in accordance with an embodiment of my invention
55 with the box cover part closed.

As herein disclosed the box is produced in substantially the same manner as particularly set forth in my pending application Serial No. 621,025 filed February 24, 1923 wherein the box bottom part or sheet
60 1, the box cover part or sheet 2 and the side strips 3 and 4 are formed about the core C and maintained in assembled relation through the medium of the strip 5 of box
65 trimming paper or binding part. This strip 5 has adhesive applied to a face thereof whereby the same may be conveniently and effectively applied.

In producing the box the lifting web or
70 strip 6 is disposed between the core C and the sheet or box bottom part 1 with an extremity of said strip or web extending beyond an end of the sheet or part 1, said strip
75 being also disposed over the end wall of the core C at the opposite end of said sheet or part 1 and having its extremity overlying the adjacent end portion of the top box
80 part or sheet 2 so that when the strip 5 is applied the extremities of the web or strip 6 will be effectively anchored. When the
85 strip 5 and outer strip 4 are severed to provide the box bottom and box cover, it is to be noted that the strip or web 6 is secured to the box bottom at one end and to the box
90 cover at the opposite end. This end portion of the box cover is hingedly connected to the box bottom, in the completed box, so that when the box cover is swung into open
95 position as illustrated in Figure 2 the contents of the box bottom will be lifted or raised so that the same may be readily and conveniently removed. This form of box is especially adapted for use in connection
100 with cigarettes or kindred commodities.

From the foregoing description it is thought to be obvious that a box constructed in accordance with my invention is particularly well adapted for use by reason of the convenience and facility with which it may
105 be assembled and operated, and it will also be obvious that my invention is susceptible of some change and modification without departing from the principles and spirit thereof and for this reason I do not wish
110 to be understood as limiting myself to the precise arrangement and formation of the several parts herein shown in carrying out my invention in practice except as hereinafter claimed.

I claim:—

A method of making a box consisting in

disposing a lifting web partially around a core, forming a hollow member about the core, one extremity of the web overlying one end portion of the box bottom part and its
5 opposite extremity overlying the opposite end portion of the box cover top part, applying a single adhesive strip around the sides of the hollow member and engaged with the box cover part and the box bottom part and

disposed over the overlying portions of the 10 web to anchor the extremities of the web and making an incision through the binding strip and certain of the box parts to separate the hollow member.

In testimony whereof I hereunto affix my 15 signature.

JNO J. TYER.