Jan. 25, 1927. 1,615,773

E. ROBINSON

CARDBOARD AND LIKE BOX

Filed Oct. 1, 1923 2 Sheets-Sheet 1

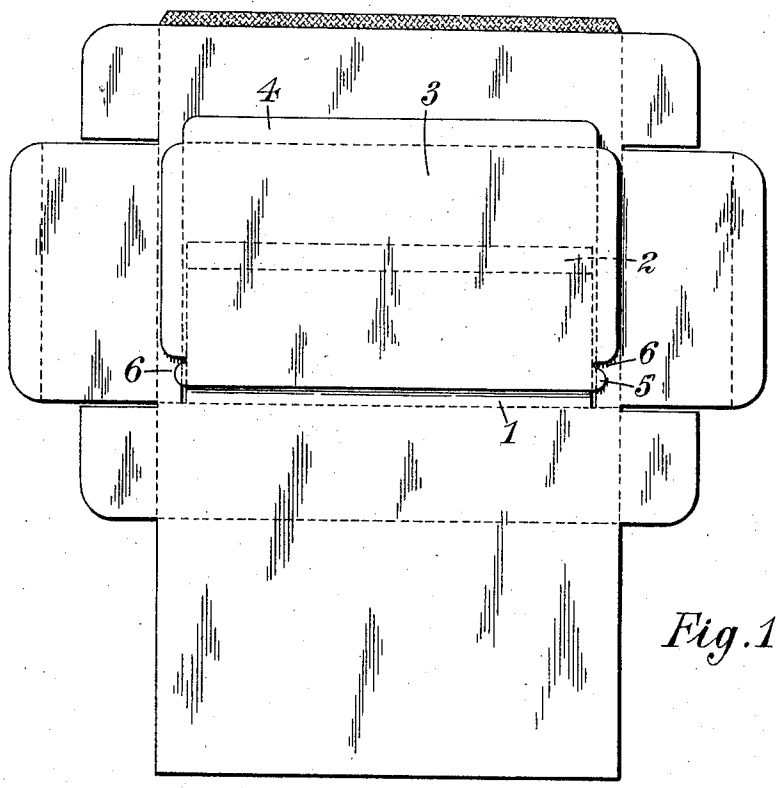


Fig. 1.

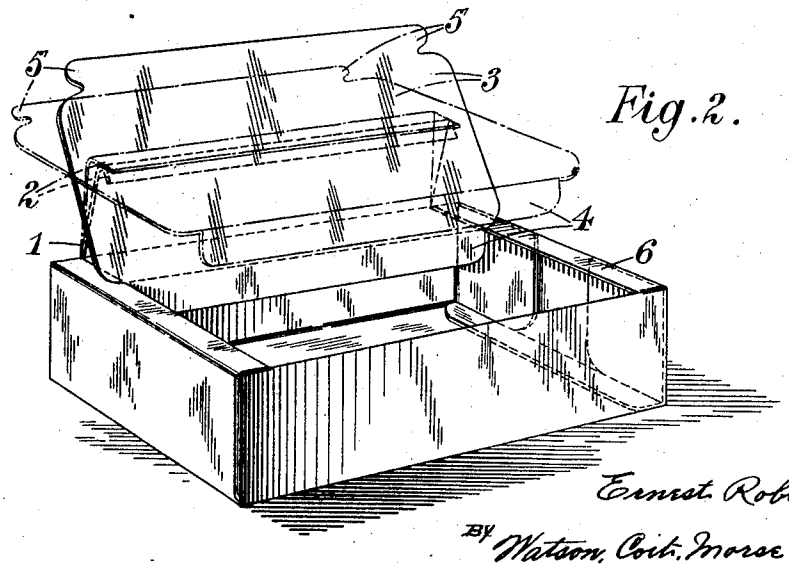


Fig. 2.

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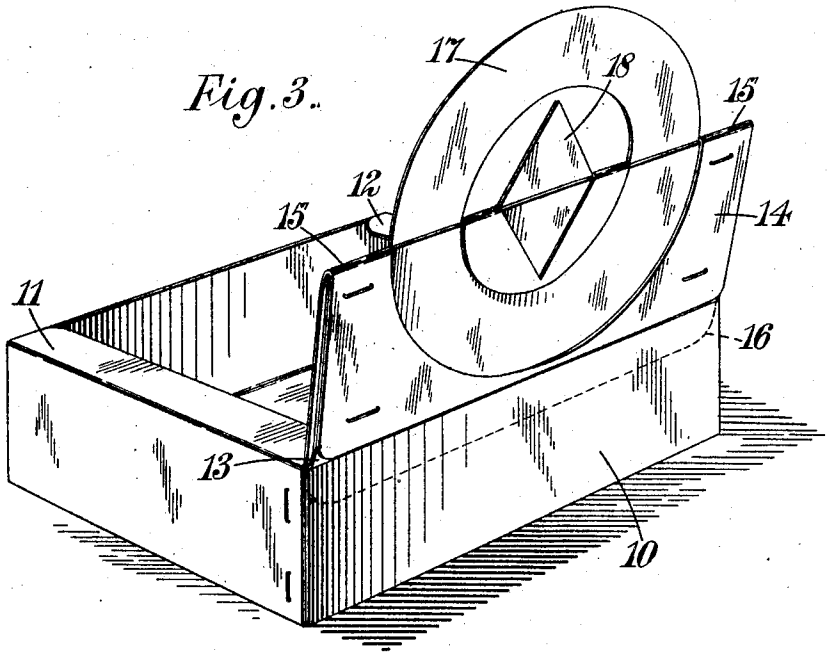
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Fig. 3.



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UNITED STATES PATENT OFFICE.

ERNEST ROBINSON, OF LONDON, ENGLAND.

CARDBOARD AND LIKE BOX.

Application filed October 1, 1923, Serial No. 665,953, and in Great Britain October 11, 1922.

This invention comprises improvements in or relating to cardboard and like boxes and has for its object to provide a lid for such boxes which will not only, as in some previous constructions, be capable of being set up when the box is opened into a position for displaying any advertising matter printed on the lid, but part of which will also, when the box is closed, be effective in completing the closure of the box.

According to the present invention there is provided in a cardboard or like box a closure for the top of the box comprising a supporting link member which is anchored to one of the top edges of the box by a hinge and extends, when in the closed position, part way across the top of the box and a lid which is hinged upon its underside to that edge of the supporting link member which is remote from its anchored edge and extends both forwardly and rearwardly from the line along which it is hinged to the supporting link member so as to complete the closure to the box and so that the lid may be set up when the box is opened with its upper face directed towards the front of the box and with the supporting link member acting as a prop so as to display any advertising matter printed on the lid.

Further, according to this invention, the box is provided with means, for example laterally projecting tongues provided upon that portion of the lid which lies adjacent to the anchored edge of the supporting link member, when the box is closed, which means may be locked to the top edges of the box, for example tucked under the edges of a marginal top so as to secure the closure to the box in the closed position.

The invention is more particularly described with reference to the accompanying drawings, in which—

Figure 1 illustrates a box blank fitted with a closure comprising the subject-matter of this invention, and

Figure 2 shows a perspective view of the box in its assembled condition with the closure illustrated in two alternative positions.

Figure 3 is a perspective view from the rear of a modified form of box with the lid erected.

Referring to the drawings, Figure 1 shows a box blank in which the sections of the box lie in the following order:—glue lap, front wall, margined top, back wall and base of the box. The blank of the box is provided with the usual tuck-in end flaps which are well-known in boxes of this type. The top of the box is cut so as to provide a flap 1 between margins 6, the flap having a free edge which lies parallel to the anchored edge of the flap. The flap 1 is of such a length that it extends part way across the width of the box, and the free edge of said flap is provided with a glue lap 2 to be adhered to an outer lid 3. The lid 3 is secured to the glue lap 2 in such a manner that the lid can be swung about a line which will ensure that the lid 3, when opened, may be placed in any angular position relative to the plane of the top of the box. Owing to the fact that the flap 1 extends only part way across the top of the box the lid 3 extends both forwardly and rearwardly of the line along which it is hinged to the flap. When the lid is erected, as shown in Figure 2, the lid 3 forms a display card of which the forwardly extending portion forms a front support and the flap 1 forms the rear supporting link member, while the rearwardly extending portion of the lid 3 stands up above the hinge line of the flap and enlarges the display area of the lid above the hinge line. This portion may be cut into any design without interfering with the function of the parts in forming a dustproof closure for the top of the box, since the cut-out design will overlie the flap when the lid is closed. That edge of the lid 3 which is remote from the anchored edge of the flap, when the lid is in the closed position, is provided with a tuck-in flap 4. The flap 4 is bent into a plane which lies perpendicularly to the plane of the lid and is capable of being tucked inside the front wall of the box when the lid is in the closed position.

There is provided at that end of the lid which is adjacent to the anchored edge of the flap 1, when the lid is in the closed position, tongues 5 which are formed on those sides of the lid which are perpendicular to the glue lap 2. The tongues 5, when the lid is in the closed position, are adapted to tuck under the margined portion 6 of the top of the box and thereby secure the lid 3 in the closed position. However, it is to be understood that any suitable means may be employed for securing the lid in the closed position, for example the lid may have plain corners adjacent to the anchored edge of the

flap which may be inserted in slots in the margined top of the box. The margins assist in preventing the ingress of dust when the box is closed and thus co-operate with the lid. A marginal top is not claimed, however, as new per se.

Figure 3 shows a modified form of box comprising the usual body portion 10. This is provided with inturned flaps along each side 11, 12 which underlie the lid. The closure for the top of the box consists of a supporting link member 13 hinged along the back edge of the box, extending part way across the box and stitched to the underside of a hinge flap cut from a display card 14 and creased along the line 15 about the middle of the breadth of the display card. The display card is provided with a tab 16 along its front edge. The tab 16, when the box is closed tucks into the front of the box, but when the display card 14 is raised and folded along the crease-line 15 the tab 16 can be tucked behind the margins 11, 12 and serves to hold the display card in its raised position.

The display card except at the hinge-flap which is stitched to the supporting link member 13 is uncreased at the line 15 so that this portion stands up to form a bold addition to the display area of the upstanding display card. The upstanding part may be of any design and is indicated in the drawing by the numerals 17, 18.

When the box is closed the upstanding part overlies the supporting link member 13 and is supported thereby, the link member 13 and the forwardly extending part of the display card forming a complete closure for the box. To this end the link member 13 extends up to the hinge line 15.

It will be understood that while the invention has been described with reference to a cardboard box, it may be applied in connection with any like boxes, such for example as wooden boxes having cardboard lids or lids of other like partially flexible material. The lid shown in Figures 1 and 2 need not be rectangular but may be cut to any design for ornamental purposes which does not interfere with its functions.

What I claim as my invention and desire to secure by Letters Patent is:—

For a cardboard or like box, a folding back display closure comprising a display card to be set up above the back of the box, when the box is opened, with its rear edge uppermost and its upper face presented forwardly for displaying printed matter thereon and a supporting link member hinged to the back of the box and to the display card along the line disposed intermediate between the front and rear edges of the said card the said supporting link member being of invariable radius between the two said hinges and forming together with the forwardly projecting portion of the display card a complete closure to the said box, when the box is closed, that part of the display card which extends to the rear of the line of hinging aforesaid overlying and being supported by the said supporting link member.

In testimony whereof I affix my signature.

ERNEST ROBINSON.