July 29, 1924. 1,503,161

G. HORNECKER

BOX

Filed Jan. 14, 1924 3 Sheets-Sheet 1

Fig. 1

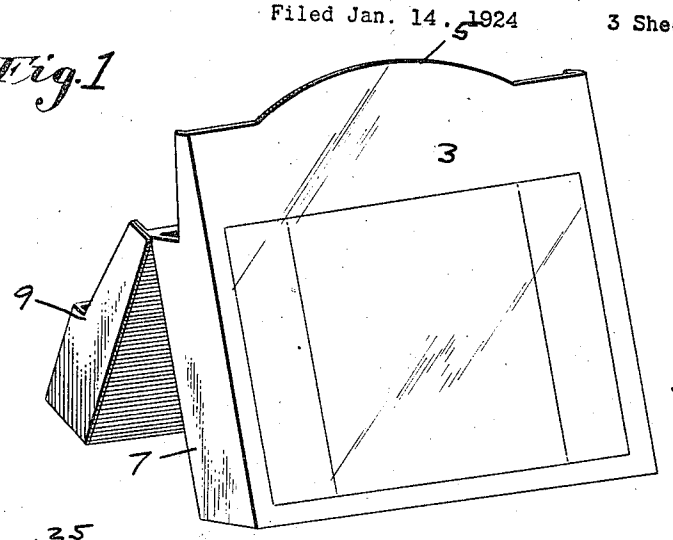
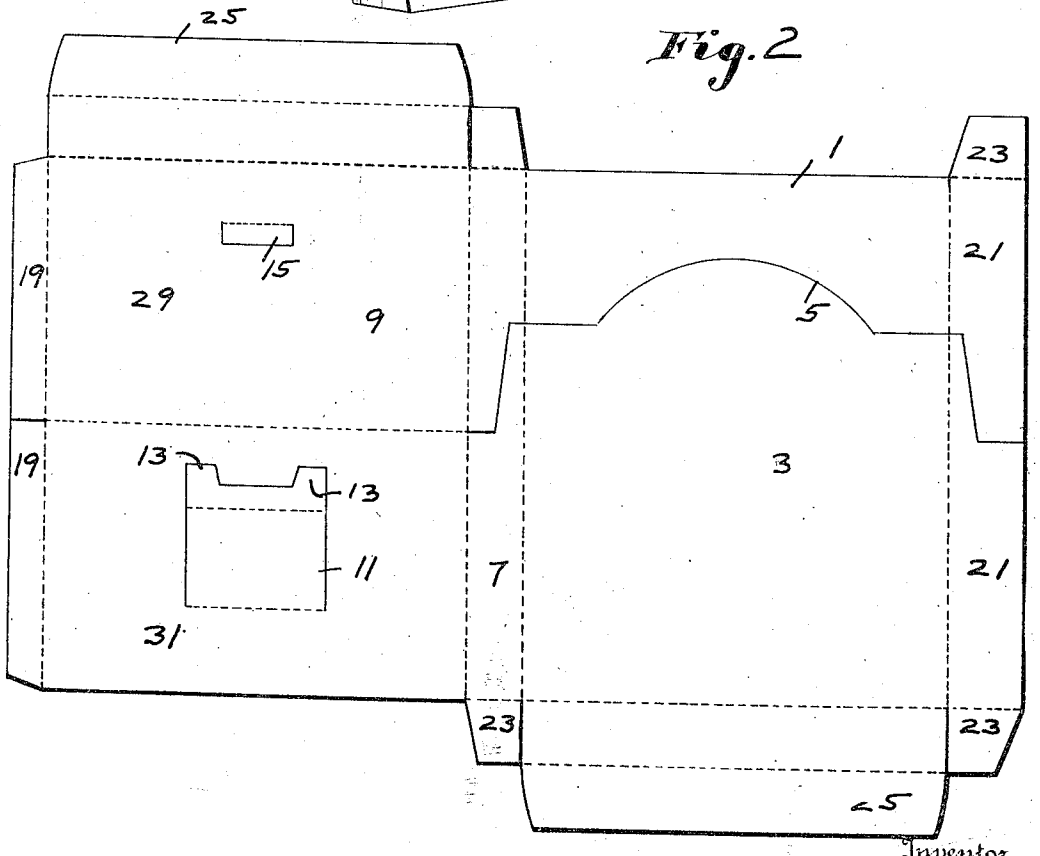


Fig. 2



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Fig. 3

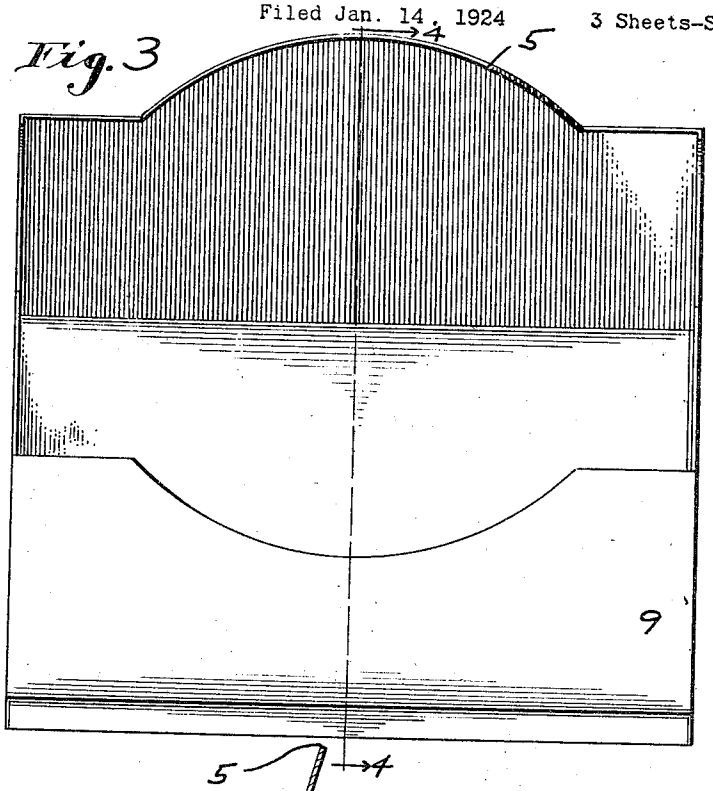
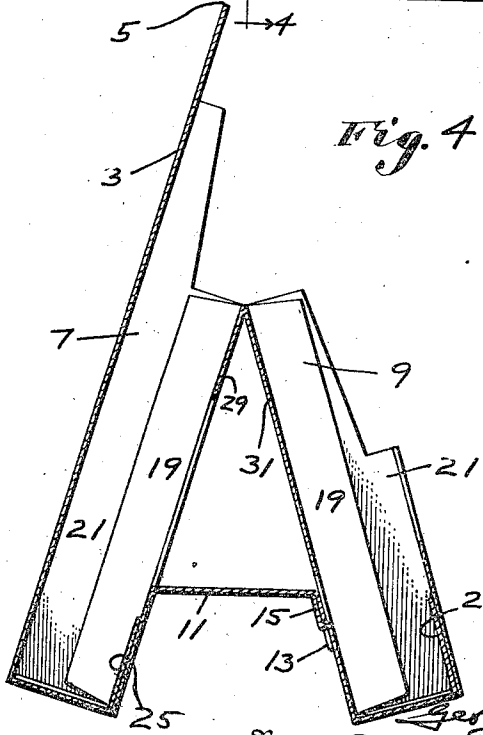


Fig. 4



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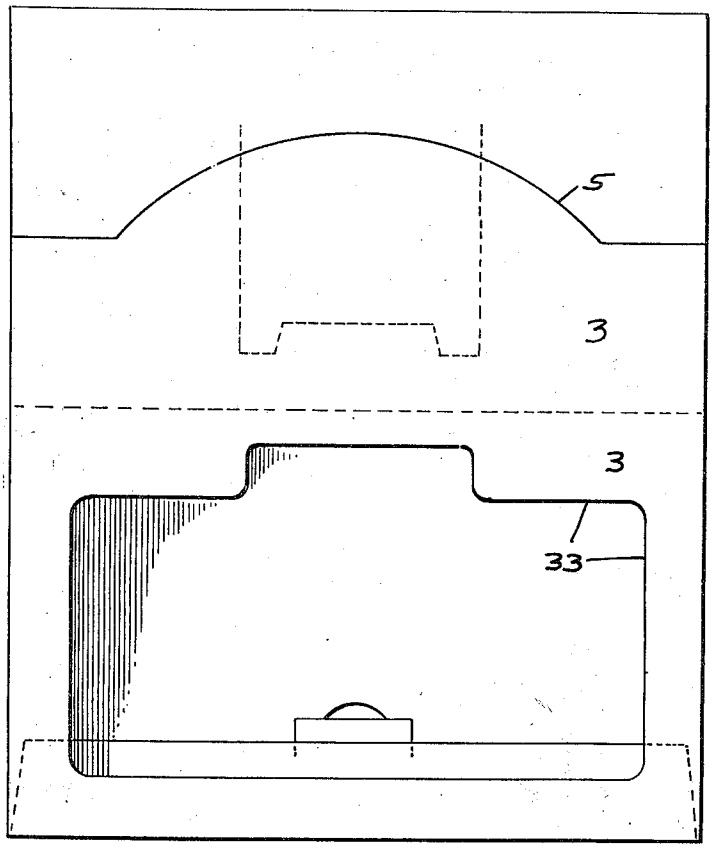


Fig. 5

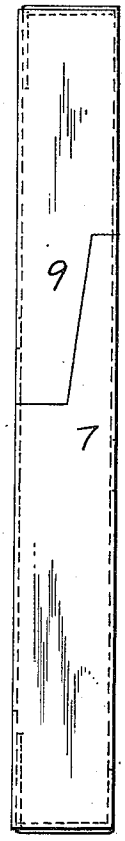


Fig. 6

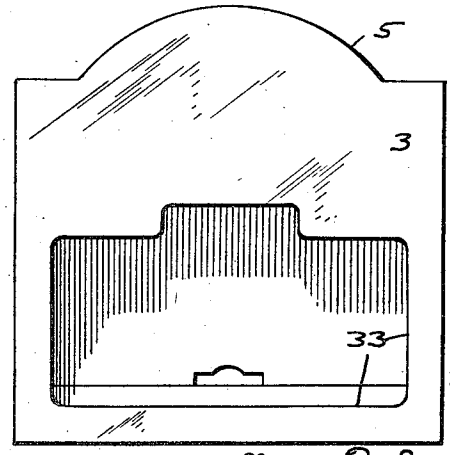


Fig. 7

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Patented July 29, 1924. 1,503,161

UNITED STATES PATENT OFFICE.

GEORGE HORNECKER, OF ELMHURST, NEW YORK, ASSIGNOR TO L. R. CONWELL, OF ELMHURST, NEW YORK.

BOX.

Application filed January 14, 1924. Serial No. 686,059.

To all whom it may concern:

Be it known that I, GEORGE HORNECKER, a citizen of the United States and a resident of Elmhurst, Queens County, New York, have invented an Improvement in Boxes, of which the following is a specification.

This invention relates to boxes, and with regard to certain more specific features, to a cardboard box that can be made from a one-piece blank.

Among the several objects of the invention may be noted the provision of a simple and inexpensive box for counter use; the provision of a self-supporting box adapted to advertise effectively its contents and at the same time to protect its contents against shoplifters; and the provision of a container of this type which can be made from a one-piece blank. Other objects will be in part obvious and in part pointed out hereinafter.

The invention accordingly comprises the features of construction, combinations of elements, and arrangements of parts, which are exemplified in the description hereinafter in connection with the accompanying drawings, and the scope of the application of which will be indicated in the following claims.

In the accompanying drawings, in which are illustrated two of various possible embodiments of the invention,

Fig. 1 is a perspective view of a preferred form;

Fig. 2 is a plan of the blank from which Fig. 1 is made;

Fig. 3 is a rear elevation of Fig. 1;

Fig. 4 is a central transverse section on the line 4—4 of Fig. 3;

Fig. 5 is a plan of a modification, showing the box prior to bending;

Fig. 6 is a side elevation of Fig. 5; and

Fig. 7 is a front elevation of the box shown in Fig. 5, when the box is in display position.

Similar reference characters indicate corresponding parts throughout the several views of the drawings.

Referring now more particularly to Figs. 1 to 4 of the accompanying drawings, there is illustrated a box formed of a single sheet 1 (Fig. 2) of suitable material such as patent coated solid manila.

When the box is in display position, the front 3 preferably carries suitable advertising indicia, and may have an ornamental configuration along the top 5. Both the front part 7 and the rear part 9 (Fig. 1) may be used as a receptacle or container for goods, preferably the goods advertised on the front surface 3. A locking device (Figs. 2 and 4) comprises a tongue 11 extending from the front part of the device toward the rear portion and having a bifurcated end 13, straddling a tongue 15 on the rear of the box. This locking device, or other suitable means, holds the front and rear portions of the box at the proper angle relative to each other when the box is in display position.

The box is formed from a one-piece blank 1 (Fig. 2) as indicated above. In this blank the score lines, for folding purposes, are shown as dotted, and the cut lines are shown solid. The only gluing operation required is along the flap 19 to join said flap to the side 21.

After the box has been glued, and filled with merchandise, the ends may be closed by folding inwardly the flaps 23 and closing the end elements 25.

A box may be shipped full of merchandise, because the display features of the box do not detract from the space within the box that is available for merchandise in transit. At such time the tongues 11 and 15 preferably remain in the plane of the respective surfaces 29, 31, from which they are struck.

When the box is in display position (Fig. 1), it may still hold as much goods as it originally did. These goods are effectively displayed by means of the legends 3 in co-operation with the ornamental contour of the top surface 5. Yet the goods themselves are not displayed to the customer, and are fairly well protected against shoplifting. Furthermore, the display is as effective with only one or two articles of merchandise in the box, as it is when the box is full of merchandise.

In the modification shown in Figs. 5, 6, and 7, the front 3 of the box is cut away as at 33, so that a portion of the goods within the front half of the box is visible to the customer. The cut-away portion 33 is, however, preferably of smaller dimensions than

the articles within the box, so that a purchaser cannot remove an article from the box by pulling it through the cut-away portion 33. For example, if the article within the box has a length substantially equal to the width of the box (from left to right in Fig. 5) then enough material is left at either side of the cut-away portion 33, so that the article cannot be removed through the opening 33. With this type of box, a portion of the articles themselves (or their containers) are displayed to the view of the customer, and this display together with the legends that may be provided on the surface 3 co-operating with the ornamental contour that may be given to the surface 5, provides an effective display for goods that are nevertheless protected fairly well against shoplifting.

The invention is inexpensively constructed and may be shipped flat prior to gluing. It may also be shipped flat after gluing. The entire inside volume of the box is available for merchandise while the box is in transit, and also while the box is on display; and the goods in the box, while on display, are protected.

The legends on the front may be lithographed, and may if desired contain a reproduction of the package in which the articles are sold. This latter feature is particularly available in the form illustrated in Figs. 1 to 4 of the drawings.

When the box is packed for shipping the goods, the goods may be retained in the box simply by wrapping the box in a paper band. The merchandise in the box stiffens the box for shipping purposes.

From the above it will be seen that the several objects of the invention are attained and other advantageous results achieved.

As many modifications of the embodiments above illustrated might be made without departing from the spirit or scope of the present invention, it is intended that the above description and accompanying drawings and claims shall be interpreted as illustrative and not in a limiting sense.

I claim:

1. A box comprising a body adapted to form a box structure, a score line across one face of the box, cuts extending from such score line across the sides of the box and across the other face, whereby the box may be bent at said score line, and a locking device for holding the portions of the box after folding, in proper relative angular position, the front of the box when the box is in folded angular position being higher than the back scored surface to thereby protect the goods within the box, the front of the box being adapted for advertising indicia, the goods within the two portions of the box when folded being protected against removal through the front of the box, the front of the box having an opening smaller in size than the units of merchandise within the box, whereby said units are directly displayed to the purchaser but cannot be removed through the front of the box.

2. A box comprising a one-piece body adapted to be glued to form a box structure, a score line across one face of the box, cuts extending from such score line across the sides of the box and across the other face, whereby the box may be bent at said score line, the cut across said face having an ornamental contour, a locking device for holding the portions of the box after folding, in proper relative angular position, the said locking device comprising a bendable tongue struck from said scored surface at one side of the first-named score line, and a tongue co-operating with the first tongue and struck from the portion of said scored surface on the other side of the first-named score line, and advertising indicia on the front of the box, the goods within the two portions of the box when in display position being protected against removal through the front of the box.

In testimony whereof, I have signed my name to this specification this tenth day of January, 1924.

GEORGE HORNECKER.