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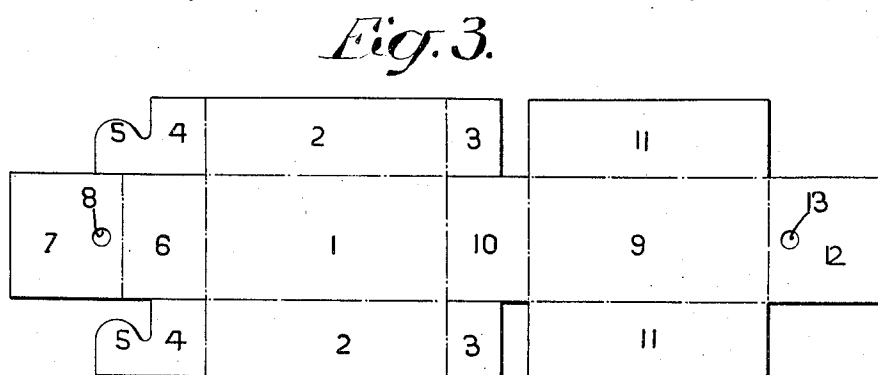
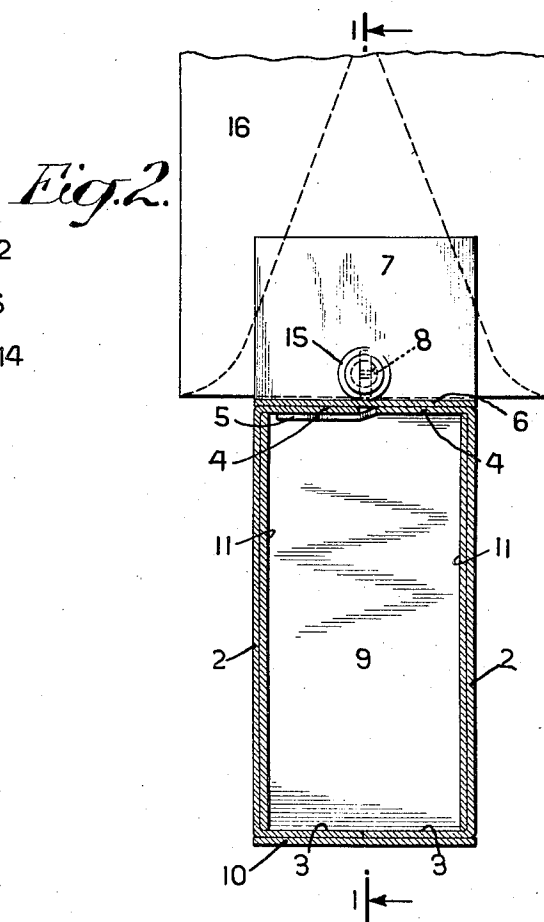
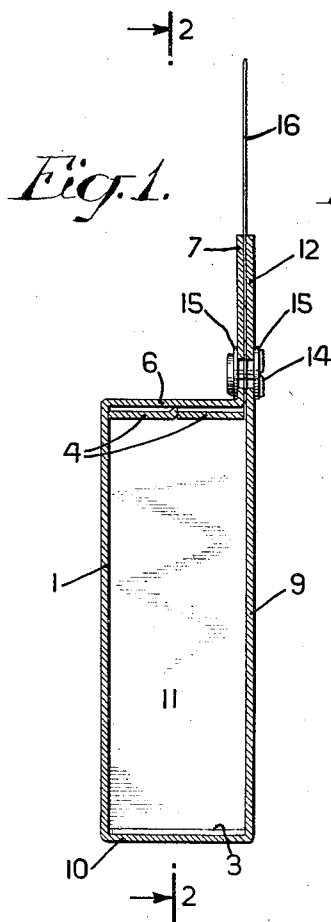
F. REICHEL

**1,822,936**

MAILING CARTON

Filed Oct. 6, 1927

2 Sheets--Sheet 1



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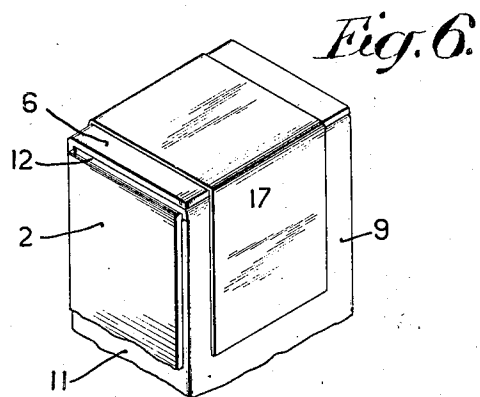
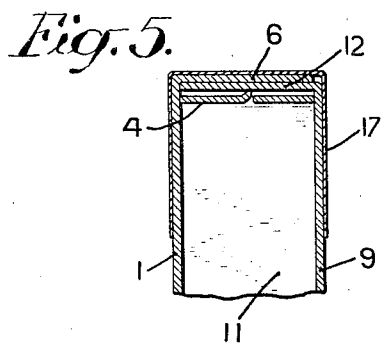
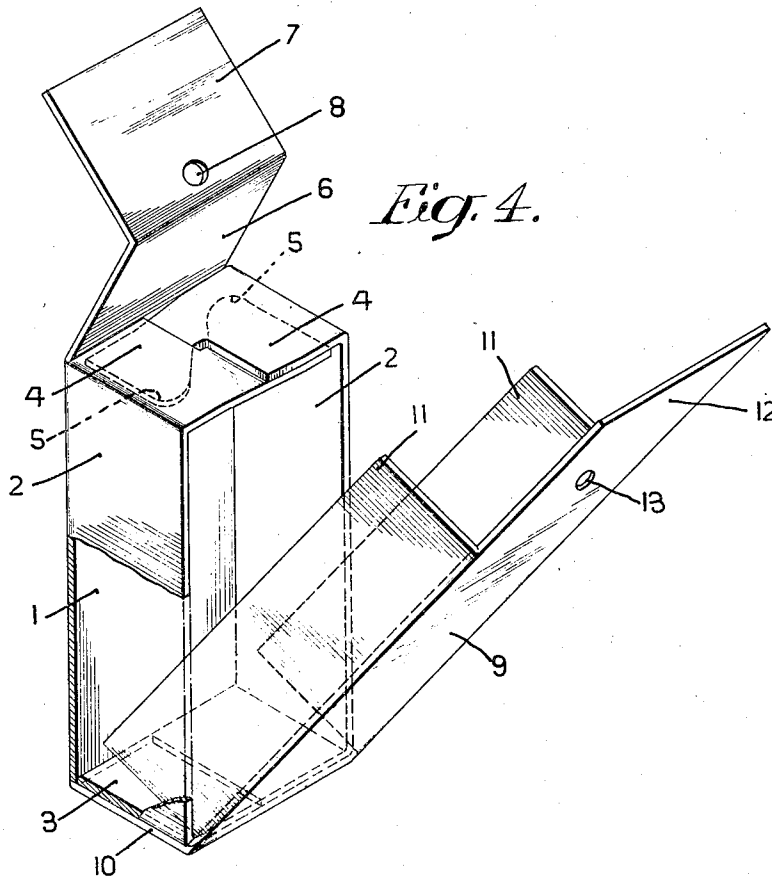
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2 Sheets-Sheet 2



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## UNITED STATES PATENT OFFICE

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## MAILING CARTON

Application filed October 6, 1927. Serial No. 224,296.

The invention relates in general to containers made from blanks of paper board and, more particularly, to a small mailing carton.

In the paper box art it is desirable to make boxes of such construction that the blanks from which they are assembled may be cut with a minimum of waste and that the boxes, when assembled, be strong and durable. In many cases it is also desirable that the construction of the box be such that it may be held in assembled relation without the use of glue.

According to the invention, a paper board box is provided which has the above desirable characteristics and, in addition, has other desirable features hereinafter pointed out. While the box has a wide range of uses, it is particularly useful as a mailing carton. The blanks may be appropriately cut and scored and shipped flat from the box manufacturer to the box customer. The box customer may assemble the boxes from the blanks with a minimum of labor and with no gluing operations.

According to the invention, the box is made from a single blank of paper board in such manner that its bottom portion is formed by a particularly ingenious arrangement of overlapping layers or flaps held in proper relation by the inherent construction of the box. The top is formed by a number of overlapping flaps and, if desired, the box is locked or sealed by means of a paper fastener. Furthermore, provision may be made to allow easy connection to the paper fastener of an envelope or other piece of stationery which it is desired to accompany the box through the mails.

The invention also consists in certain new and original features of construction and combinations of parts hereinafter set forth and claimed.

Although the novel features which are believed to be characteristic of this invention will be particularly pointed out in the claims appended hereto, the invention itself, as to its objects and advantages, the mode of its operation and the manner of its organization may be better understood by refer-

ring to the following description taken in connection with the accompanying drawings forming a part thereof, in which

Fig. 1 is a vertical section taken on the line 1—1 of Fig. 2;

Fig. 2 is a vertical section taken on the line 2—2 of Fig. 1;

Fig. 3 is a development of the blank from which the box is made;

Fig. 4 is an isometric view showing the box partially assembled;

Fig. 5 is a vertical section through the top of a slightly modified form of box using a paster; and

Fig. 6 is an isometric view of the top of the box shown in Fig. 5.

In the following description and in the claims parts will be identified by specific names for convenience, but they are intended to be as generic in their application to similar parts as the art will permit.

Like reference characters denote like parts in the several figures of the drawings.

Referring now to the drawings, and more particularly to Figs. 1 to 4 inclusive, the box is made from a sheet of paper board appropriately cut and scored as shown in Fig. 3. In this figure the continuous lines represent cut edges, while the dot and dash lines represent scores or weakened lines on which the paper board is bent to form a box.

The box comprises a front wall 1 having secured thereto outer side walls 2. Each outer side wall has a bottom flap 3 and a top flap 4, the top flap having a projecting tongue 5. The front wall has connected thereto a top wall 6 which in turn has connected thereto a top fly 7 with an aperture 8 therein.

The back wall 9 is connected to the front wall 1 by a bottom wall 10. The back wall has connected thereto on each side thereof an inner side wall 11 and at the top thereof a top fly 12 having an aperture 13.

To assemble the box, the outer side walls 2 and also the bottom wall 10 are bent at right angles to the front wall 1, the bottom flaps 3 being bent at right angles to the outer side walls 2 and disposed above the bottom wall 10. The inner side walls 11 are bent at right angles to the back wall 9. The back

wall is bent at right angles to the bottom wall 10 and the inner side walls 11 are disposed within the outer side walls 2 as shown in Fig. 4. The top flaps 4, top wall 6 and top flies 7 and 12 may remain in upraised position.

The material to be shipped is placed in the box and the top flaps 4 are bent to the position shown in Fig. 4 with the tongues 5 interlocking. The top wall 6 is then bent down to overlap the top flaps, the top flies 7 and 12 being placed in upraised position, this bringing the two apertures 8 and 13 in register. A paper fastener 14 having washers 15 to prevent tearing is passed through the apertures, this completing the sealing or locking of the box. If desired, an envelope 16 or any other article may be fastened to the box by placing it between the top flies 7 and 12 and passing the paper fastener there-through, as shown in Figs. 1 and 2.

If it is desired to use a sticker or label to close the box instead of the paper fastener, considerable stock may be saved in making the blanks. This modification is shown in Figs. 5 and 6. The blank used in these figures is similar to that shown in Fig. 3 except the top fly 7 is cut off and the top fly 12 is cut to a size substantially equal to the bottom wall 10. In this modification, the bottom portion thereof is assembled as above described. After the material is placed in the box, the top flaps 4 are interlocked the same as above described and the top fly 12 is bent thereover. The top wall 6 is then bent over the top fly 12 and a sticker 17 is pasted around the top and front and back walls of the box.

There has thus been disclosed a paper board box whose blanks may be cut with a minimum of waste. Practically all of the material enclosed within the outer confines of the blank is utilized in such manner as to make a box which is unusually strong and durable. The parts are so related that the box may be put together in such manner as to hold the contents thereof without any gluing operations. In the species shown in Figs. 1 to 4, the box is sealed or locked by means of a paper fastener, this having the additional advantage that an accompanying letter may be simply and conveniently secured thereto. In the species shown in Figs. 5 and 6 considerable material may be saved and the box may be locked or sealed by the paster on which the address is written. The boxes are rugged in construction and will give satisfactory service even though subjected to unusually harsh usage.

While certain novel features of the invention have been shown and described and are pointed out in the annexed claims, it will be understood that various omissions, substitutions and changes in the forms and details of the device illustrated and in its operation

may be made by those skilled in the art without departing from the spirit of the invention.

What is claimed is:

1. A paper board container made from a single blank comprising a front wall, outer side walls connected thereto, a bottom flap and a top flap connected to each outer side wall, said top flaps having overlapping interlocking tongues, a back wall, inner side walls connected thereto, a bottom wall connecting said front and back walls, a top wall secured to said front wall, a top fly secured to said top wall, a second top fly secured to said back wall, said bottom flaps seating over and within said bottom wall, said inner side walls being disposed inside said outer side walls and against said bottom flaps, said top wall overlapping said top flaps when the container is assembled, said top flies having registering apertures near said top wall, and a fastener extending through said apertures.

2. A paper board container made from a single blank comprising a front wall, outer side walls connected thereto, a bottom flap and a top flap connected to each outer side wall, a back wall, inner side walls connected thereto, a bottom wall connecting said front and back walls, a top wall secured to said front wall, a top fly secured to said top wall, a second top fly secured to said back wall, said bottom flaps seating over and within said bottom wall, said inner side walls being disposed inside said outer side walls and against said bottom flaps, said top wall overlapping said top flaps when the container is assembled, and a fastener extending through said top flies.

3. A paper board container made from a single blank comprising a front wall, outer side walls connected thereto, a bottom flap and a top flap connected to each outer side wall, said top flaps having overlapping interlocking tongues, a back wall, inner side walls connected thereto, a bottom wall connecting said front and back walls, a top wall secured to said front wall, a top fly secured to said back wall, said bottom flaps seating over and within said bottom wall, said inner side walls being disposed inside said outer side walls and against said bottom flaps, said top wall overlapping said top flaps when the container is assembled, and means including said top fly and top wall for locking said box.

4. A paper board container made from a single blank comprising a front wall, outer side walls connected thereto, a bottom flap and a top flap connected to each outer side wall, a back wall, inner side walls connected thereto, a bottom wall connecting said front and back walls, a top wall secured to said front wall, a top fly secured to said back wall, said bottom flaps seating over and within

said bottom wall, said inner side walls being disposed inside said outer side walls and against said bottom flaps, said top wall overlapping said top flaps when the container is assembled, and means including said top fly and said top wall for locking said box.

In testimony whereof I have hereunto set my hand.

FERDINAND REICHEL.

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