

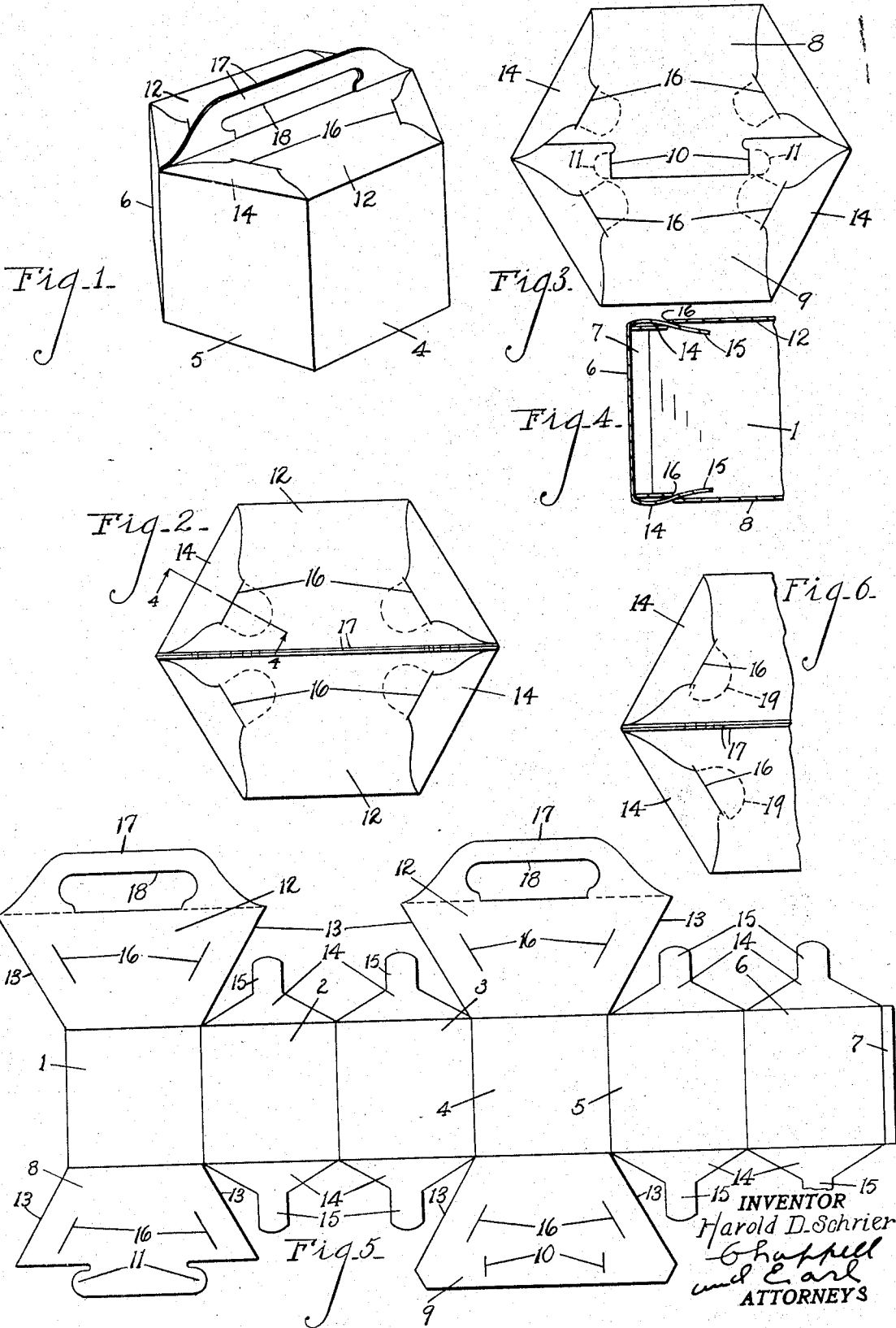
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COLLAPSIBLE BOX OR CONTAINER

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COLLAPSIBLE BOX OR CONTAINER

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The main object of this invention is to provide an improved collapsible box or container which may be quickly set up and when set up is strong and rigid.

A further object is to provide a box of this character with a handle.

Objects relating to details and economies of my invention will appear from the description to follow. The invention is defined and pointed out in the claims.

A structure which is a preferred embodiment of my invention is illustrated in the accompanying drawing, in which:

Fig. 1 is a perspective view of my improved box completely set up.

Fig. 2 is a plan view.

Fig. 3 is a bottom view.

Fig. 4 is a detail section on line 4—4 of Fig. 2.

Fig. 5 is a plan view of the blank from which the box is formed.

Fig. 6 is a fragmentary plan view of a modified form or embodiment of my invention.

In the drawing similar reference characters refer to similar parts throughout the several views.

In the preferred embodiment of my invention as illustrated, my improved box or container is hexagonal, the side wall panels 1, 2, 3, 4, 5 and 6 being aligned in the blank, the panel 6 having a glue or sealing flap 7 which is adapted to overlap the panel 1 and is glued or stitched thereto.

The panels 1 and 4 which are diametrically opposite in the set up box have bottom flaps 8 and 9 respectively, these flaps being of such length that they overlap as shown in Fig. 3. The flap 9 being the inner flap has longitudinal slits 10 therein while the flap 8 has transversely disposed tongues 11 engageable in these slits 10, thereby locking the bottom flaps in closed position. These panels 1 and 4 have top flaps 12, these top flaps being duplicates and complementary, that is, they complement each other in forming the top.

The top and bottom flaps are outwardly expanded so that when closed their side edges 13 are in supporting engagement with the adjacent wall panels.

The wall panels 2, 3, 5 and 6 are provided with closure flaps 14 at each end terminating in tongues 15 which are inserted in slits 16 disposed in parallel relation to the side edges 13 of the top and bottom flaps.

The top flaps have handle extensions 17 provided with registering hand openings 18, these extensions being adapted to lie side by side at substantially right angles to the top flaps when the box is closed. The overlapping closure flaps effectively retain the top and bottom flaps in closed position.

In the modification shown in Fig. 6, the closure flaps 14 are provided with hooked tongues 19 engaging in the slits 16. While these are somewhat more secure than the form shown in the other figures of the drawing, they are more difficult to engage and disengage and the box when provided with straight tongues is very satisfactory.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. A hexagonal box comprising side wall panels, a pair of diametrically opposite panels having outwardly expanding bottom flaps with overlapping portions, the inner of said bottom flaps having spaced longitudinal slits and the outer of said bottom flaps having transversely disposed tongues engageable in said slits, such side panels also having outwardly expanding complementary top flaps terminating in handle extensions disposed side by side and having registering hand openings therein, said top and bottom flaps having slits disposed in parallel relation to their side edges, the remaining panels having top and bottom closure flaps foldable over the side edges of said top and bottom flaps and terminating in tongues engageable in said slits in said top and bottom flaps whereby the top and bottom flaps are retained and supported in closed position.

2. A polygonal box comprising side wall panels, a pair of the diametrically opposite panels having bottom flaps with overlapping portions, the inner of said bottom flaps having spaced longitudinal slits and the outer of said bottom flaps having transversely disposed tongues engageable in said slits, such

side panels also having complementary top flaps terminating in handle extensions disposed side by side and having registering hand openings therein, said top and bottom flaps having slits disposed in parallel relation to their side edges, the remaining panels having top and bottom closure flaps foldable over the side edges of said top and bottom flaps and terminating in tongues engageable in said slits in said top and bottom flaps whereby the top and bottom flaps are retained and supported in closed position.

3. A hexagonal box comprising side wall panels, a pair of the diametrically opposite panels having outwardly expanding complementary top flaps terminating in handle extensions disposed side by side and having registering hand openings therein, said top flaps having slits therein, the remaining panels having top closure flaps foldable over the side edges of said top flaps and terminating in tongues engageable in slits in said top flaps whereby the top flaps are retained and supported in closed position.

4. A polygonal box comprising side wall panels, a pair of the diametrically opposite panels having complementary top flaps terminating in handle extensions disposed side by side and having registering hand openings therein, said top flaps having slits therein, the remaining panels having top closure flaps foldable over the side edges of said top flaps and terminating in tongues engageable in slits in said top flaps whereby the top flaps are retained and supported in closed position.

In witness whereof I have hereunto set my hand.

HAROLD D. SCHRIER.