

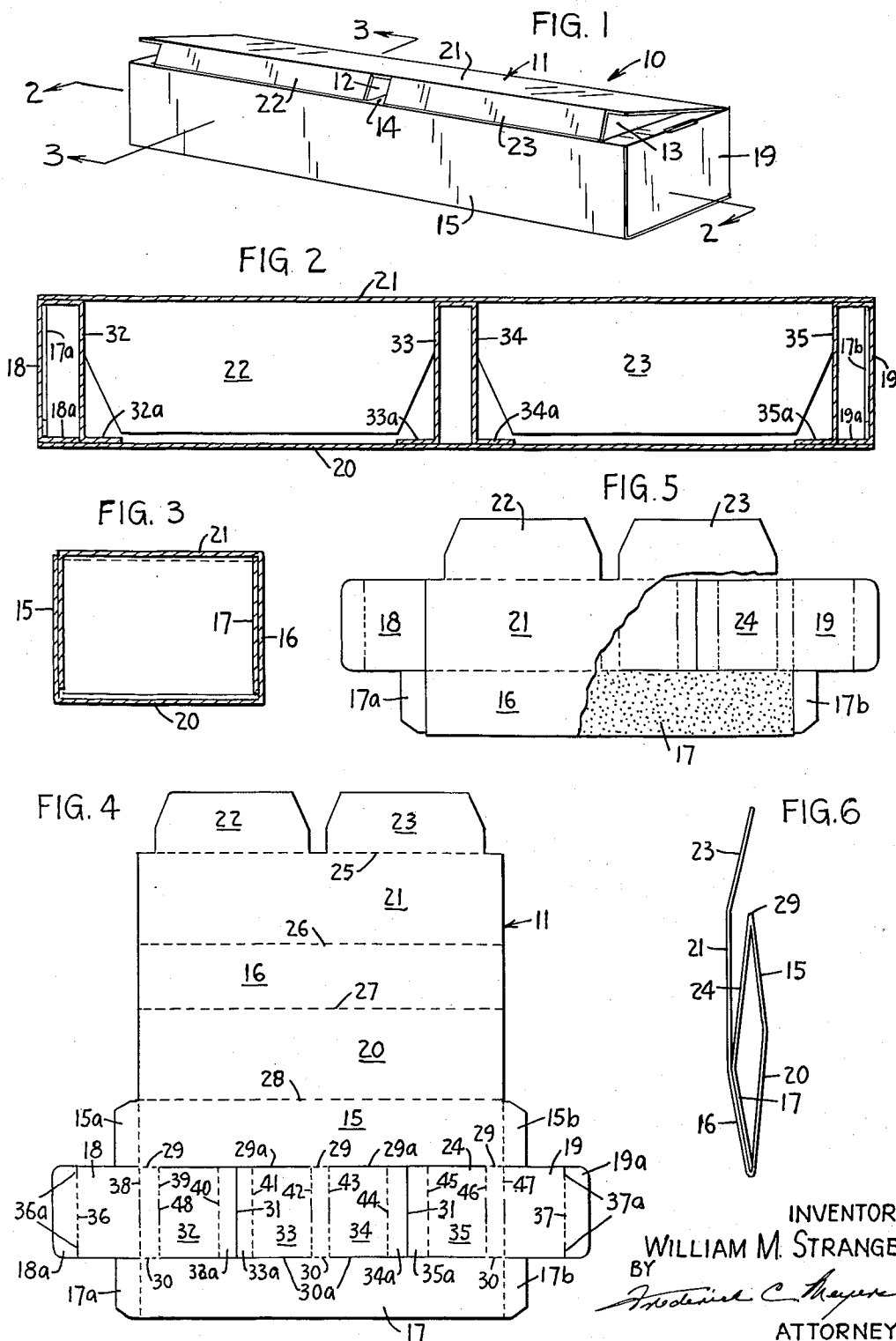
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SECTIONED CONTAINER AND BLANK THEREFOR

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SECTIONED CONTAINER AND BLANK THEREFOR

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This invention relates to an encloseable container and blank therefor and more particularly to a container having partitions and closed, flush ends therefor.

It is an object of my invention to provide an elongate container having closed, flush ends to facilitate overwrapping.

It is another object of my invention to provide a blank for a container wherein end tabs are in locking engagement.

It is a further object of my invention to provide an end structured container having increased rigidity thereby.

It is still another object of my invention to provide a single blank having lateral portions wherein end tabs are integral with at least three of said portions for forming a container having locked, flush ends.

These and other objects and advantages of my invention will more fully appear from the following description, made in connection with the accompanying drawings, wherein like reference characters refer to the same or similar parts throughout the several views and in which:

Figure 1 is a perspective view of my container in a partially closed condition;

Figure 2 is a sectional view taken at 2—2 of Fig. 1 with the container completely closed;

Figure 3 is a section view taken at 3—3 of Fig. 1;

Figure 4 is a plan view of the blank of the container of Fig. 1;

Figure 5 is a rear elevated view of the blank of Fig. 4 in a flat partially folded condition; and

Figure 6 is an end view of the partially folded blank of Fig. 5.

With continued reference to the drawings, Fig. 1 discloses an elongate container 10 folded from a paperboard blank 11. The container 10 has two article holding sections 12 and 13 separated by a partition 14. The container 10 also comprises a front panel 15, a back panel 16 adhesively secured to an overlap back panel 17 (Fig. 4), end covers 18 and 19, a bottom panel 20, a cover panel 21, cover panel tabs 22 and 23, and a multiple partition panel 24. Said panels are delineated one from the other by score or fold lines 25, 26, 27, 28, 29 and 30 (Fig. 4). Additionally score or fold lines 29 and 30 cut through the blank 11 at portions 29a and 30a for reasons to be described hereinafter.

To fold the blank 11 into a container or carton, adhesive material may be applied either to the face of back panel 16 or to the underside of overlap back panel 17, and in the preferred embodiment I have so applied adhesive material.

By folding the panels along their score or fold lines panel 17 confronts panel 16 along its length, and by reason of adhesive material will adhere thereto. The blank 11 will, at this first folding, be in the condition shown in Fig. 6. The blank 11 can then be flattened as shown in Fig. 5, in which flattened condition it can easily

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be shipped or stored, either singly or with a plurality of other similarly folded blanks.

However, to form the container 10, slight pressure, as by hand, is applied at fold line 29 as best seen in Fig. 6.

The application of pressure along the fold line, causes multiple partition panel 24 to become substantially parallel with bottom panel 20, and front panel 15 becomes substantially parallel with adhered back panels 16 and 17, thus resulting in the substantially rectangular shape of the container as shown in Fig. 3.

It is now expedient to describe multiple partition panel 24 in more detail, with particular reference to Fig. 4. As hereinabove mentioned, multiple partition panel 24 is delineated from the other panels by score or fold lines 29 and 30, and cuts 29a and 30a. Normal to cuts 29a and 30a are cuts 31 which divide partition panel 24 into partition members 32, 33, 34 and 35. End covers 18 and 19, integral with partition panel 24 are provided with locking end tabs 18a and 19a respectively and score or fold lines 36 and 37 facilitate the folding of said end tabs. It should also be noted that portions of fold lines 36 and 37 comprise cuts 36a and 37a which facilitate locking of end covers 18 and 19 as will be described hereinafter.

Additional score or fold lines 38, 39, 40, 41, 42, 43, 44, 45, 46 and 47 are provided in partition panel 24. Each of score lines 38—47 may be provided with a central cut 48 to facilitate folding on lines 38—47.

Having described partition panel 24, the folding operation of blank 11 may now be continued. With back panel 16 and 17 adhesively secured, and panels 15, 20, and 24 in a substantially rectangular relationship, the partition members 32—35 are each pushed downwardly as viewed in the drawings, thereby folding along fold lines 39, 42, 43, and 46 respectively. As partition members 32—35 contact bottom panel 20, the members 32—35 fold at lines 40, 41, 44 and 45 respectively, thereby placing the partition members 32—35 substantially normal to bottom panel 20, and the lower portions 32a—35a of said partition members abut bottom panel 20 at substantially right angle to said partition members 32—35. There is sufficient engagement of lower portion members 32a—35a with bottom panel 20 to maintain portion members 32—35 substantially normal to bottom 20. Further, it is seen that the partition members 32—35 are coextensive with the width of bottom 20, and the space between folded panels 17 and 15 to provide a lateral rigidity to the folded blank 11.

Prior to the folding of end covers 18 and 19 and locking end tabs 18a and 19a, front panel end tabs 15a and 15b and back panel end tabs 17a and 17b are infolded toward each other in substantial alignment with the ends of bottom panel 20. End covers 18 and 19 are then folded on lines 38 and 47 to overlap said front and back panel end tabs. Locking end tabs 18a and 19a are inserted between front and back panel end tabs and bottom panel 20. With the locking end tabs 18a and 19a so inserted, front and back panel end tabs lock in cuts 36a and 37a to secure the folded condition of end covers 18 and 19. The end covers so secured present a flush, rigid end for the container 10 which facilitates overwrapping of said container.

The container 10 is now ready for closure by a cover panel 21 and cover panel tabs 22 and 23. The cover panel 21 is folded along line 26, and tabs 22, 23 are folded along line 25. Tabs 22 and 23 are inserted into cut 30a so that the tabs overlap against an inner surface of front panel 15, and cover panel 21 completely encloses said container. Tabs 22 and 23 are spaced one from the other to pass partition members 33 and 34 and abut thereagainst upon insertion.

It will be noted that end covers 18 and 19 lie spaced from respective partition members 32 and 35 in the com-

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pleted container and provide a protective cushioning effect against endwise shifting of objects which may be placed therein. Similarly partition members 33 and 34 are spaced apart and provide a cushioning effect against convergence of objects placed in contact with the respective members.

Thus I have described the folding of a stiff, foldable, flexible blank into a container, wherein the container is provided with a plurality of article holding sections, and the ends of said container are of flush, rigid, locked constructions.

It will, of course, be understood that various changes may be made in the form, details, arrangements and proportions of the parts without departing from the scope of my invention as set forth in the appended claims.

What I claim is:

1. In a blank of stiff, foldable, flexible paperboard comprising a plurality of score lines dividing said blank into a plurality of panel portions, said panel portions including a bottom panel, front and back panels contiguous thereto, a partition panel and a back overlap panel, a cover panel having tabs integral therewith, end tabs on each end of said front and back overlap panels, end covers on each end of said partition panel, said end covers having end tabs integral therewith, wherein said end cover end tabs are insertable between a portion of said partition panel and said bottom panel for flush closure of said blank into a container.

2. The structure set forth in claim 1 wherein said partition panel has a pair of portions foldable on respective score lines spaced inwardly from said end covers.

3. In a container for confections comprising a plurality of elongate panels, a front panel contiguous to a bottom panel and a multiple partition panel and having end tabs, a back panel contiguous said bottom panel, a back overlap panel adhesively secured to said back panel and having end tabs integral therewith, said partition panel

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dividing said container into two sections and having end covers integral therewith, said end covers being provided with end cover tabs, said end cover tabs insertable between said partition panel and said bottom panel for forming rigid, flush ends for said container.

4. The structure of claim 3 wherein said partition panel has a portion member lying inwardly in spaced relation with each of said end covers.

5. In a partitioned container having a cover panel, the combination of a front panel, bottom panel, and a partition panel contiguous one to the other, a back panel coextensive with said bottom panel, a back overlap panel adhesively secured to said back panel and coextensive with said partition panel, said front panel and back overlap panel being provided with end tabs on each end thereof, end covers having tabs thereon integral with said partition panel insertable between said partition panel and said bottom panel for securing ends of said container and presenting a flush rigid end construction.

6. In a multiple partitioned container blank flattened for shipment, comprising, a plurality of container panels delineated by a plurality of substantially parallel score lines; said plurality of panels including, a front panel, a bottom panel, a partition panel, a back panel, a back overlap panel, and a cover panel provided with cover tabs; said back panel adhesively joined to said back overlap panel; said partition panel folded on one of said score lines to cover said partition panel to coextensively engage said cover panel, and said front panel and said bottom lie in substantially the same plane.

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