June 18, 1929. J. F. BYRNE 1,717,367

CONTAINER

Filed Oct. 24, 1927

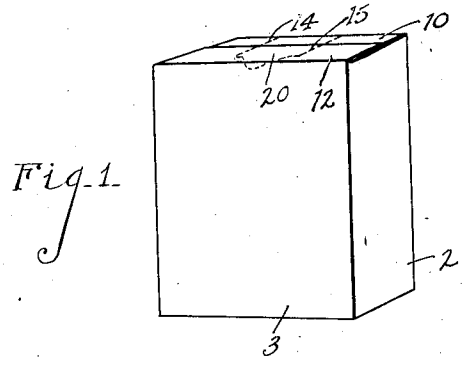


Fig. 1.

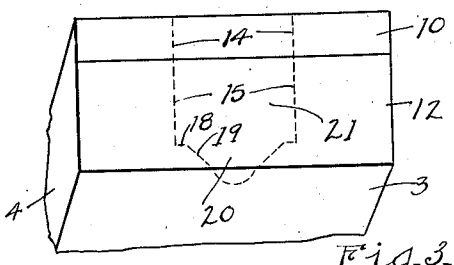


Fig. 3.

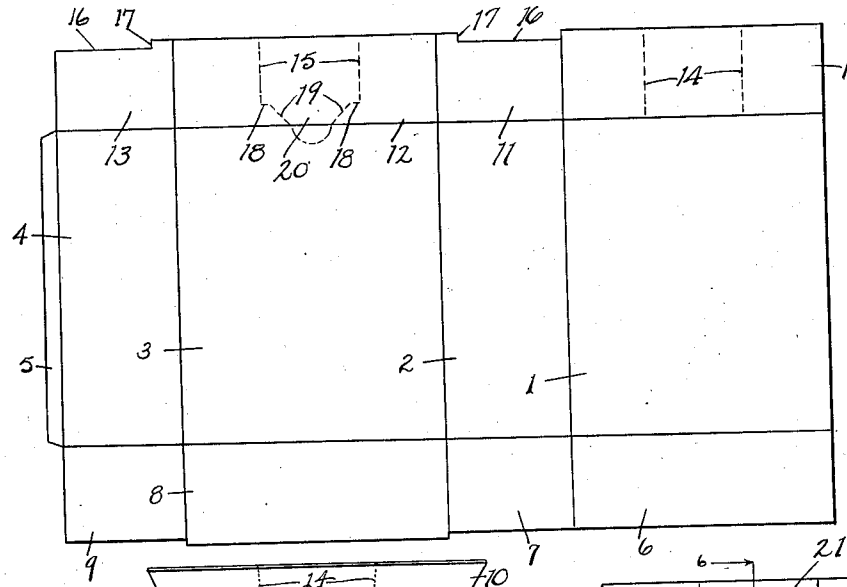


Fig. 2.

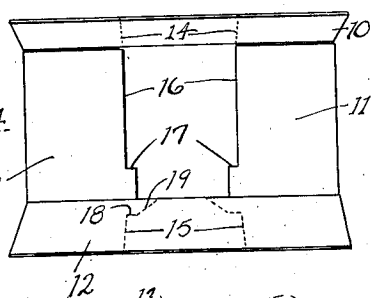


Fig. 4.

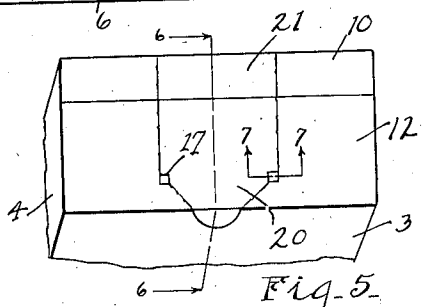


Fig. 5.

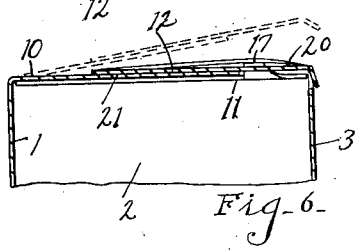


Fig. 6.

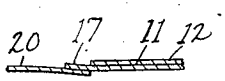


Fig. 7.

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Patented June 18, 1929. 1,717,367

UNITED STATES PATENT OFFICE.

JOHN F. BYRNE, OF KALAMAZOO, MICHIGAN.

CONTAINER.

Application filed October 24, 1927. Serial No. 228,252.

The main object of this invention is to provide a container or carton of the well-known commercial type formed integrally of box board with special means facilitating the opening to afford access to contents for removal of a part thereof and effective reclosing to protect the contents.

A further object is to provide in a container a closure means which does not add to the cost of the container and at the same time is efficient and very convenient to manipulate.

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

A structure which embodies the features of my invention is clearly illustrated in the accompanying drawing, in which:

Fig. 1 is a perspective view of a container embodying the features of my invention.

Fig. 2 is a plan view of the blank from which the container shown in Fig. 1 is formed.

Fig. 3 is a fragmentary perspective view of the upper portion of the container.

Fig. 4 is an end view of the container set up, before the flaps are sealed.

Fig. 5 is a fragmentary perspective view of the upper portion of the container after the container has been sealed and opened and the closure again closed.

Fig. 6 is a detail vertical section on line 6—6 of Fig. 5.

Fig. 7 is an enlarged detail on line 7—7 of Fig. 5.

Referring to the drawing, my improved box or container is preferably formed as an integral blank as shown in Fig. 2, the block consisting of side portions 1, 2, 3 and 4. The portion 4 has a sealing flap 5 along one edge. The sides have bottom flaps 6, 7, 8 and 9 which are folded in overlapping relation and sealed or secured together with a suitable adhesive.

The top of the container is provided with closing flaps 10, 11, 12 and 13, the flaps 11 and 13 being the inner flaps and these when closed lie with their edges in spaced relation as shown in Fig. 4. The flaps 10 and 12 are overlapped with the flap 10 under the flap 12 and the overlapping flaps are sealed or secured together by suitable adhesive.

The outer overlapping flaps 10 and 12 have registering or alined lines 14 and 15, the severing scores extending along the spaced edges 16 of the inner flaps and beyond the shoulders 17 which are formed therein adjacent one side of the container to provide closure retaining members as will be pointed out.

The severing lines 14 in the flap 10 extend entirely across the flap as is shown in Fig. 2. The scoring lines 15 of the flap 12 are jogged inwardly at 18 and then extended toward each other in converging lines 19 to outline the tongue 20, the end of which extends into the side wall 3 of which the flap 12 forms an extension.

With the severing scores formed in the blank as shown in Fig. 2, it is set up and sealed in the usual manner. When it is desired to open the container the thumb is placed against the tip portion of the tongue 20 on the side wall with the finger above and the container is readily broken along the severing lines with a continued upward movement or pull. This affords access to the contents of the container which may be partially removed and the closure, which is indicated generally by the numeral 21, engaged with the retaining members formed by the shoulders 17 as is shown in Figs. 5, 6 and 7.

This provides a closure which may be rapidly opened and closed, effectively protecting and retaining the contents. I have illustrated and described my improvements in an embodiment which has been found very satisfactory. I have not attempted to illustrate adaptations to other forms of containers as it is believed that this disclosure will enable those skilled in the art to embody or adapt my improvements as may be desired.

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

1. A container, the end of which is closed by overlapping flaps sealed together, the adjacent edges of the inner flaps being spaced and shouldered adjacent one side of the container providing closure retaining members, the opposite outer flaps overlapping and having alined scoring lines along the said spaced edges of the inner flaps and extended beyond the said shoulders thereof, the severing scoring lines of the outermost flap being then jogged inwardly and continued to form a tongue, the end of which extends into the side wall of the carton facilitating grasping and severing along the said scoring lines, the partially severed parts constituting a closure, said closure being engage-

able under said closure retaining member of said inner flaps.

2. A container, the end of which is closed by overlapping flaps sealed together, the adjacent edges of the inner flaps being spaced and shouldered adjacent one side of the container providing closure retaining members, the opposite outer flaps overlapping and having alined scoring lines along the said spaced edges of the inner flaps and extended beyond the said shoulders thereof, the severing scoring lines of the outermost flap being then jogged inwardly and continued to form a meeting point, the partially severed parts constituting a closure, said closure being engageable under said closure retaining member of said inner flaps.

3. A container, the end of which is closed by overlapping sealed flaps, the adjacent edges of the inner flaps being spaced and provided with projections constituting closure retaining members, the outer flaps being provided with severing lines along the edges of said inner flaps providing a closure when severed, the outermost flap having a tongue portion extending into the side wall of the container of which it forms an extension, said tongue portion being formed by severing scores merging with the said registering severing scores.

4. A container, the end of which is closed by overlapping sealed flaps, the adjacent edges of the inner flaps being spaced and provided with projections constituting closure retaining members, the outer flaps being provided with severing lines along the edges of said inner flaps providing a closure when severed.

In witness whereof I have hereunto set my hand.

JOHN F. BYRNE.