Feb. 13, 1945. W. A. RINGLER 2,369,391

HINGED COVER CONTAINER

Filed July 21, 1942 3 Sheets-Sheet 1

Fig. 1

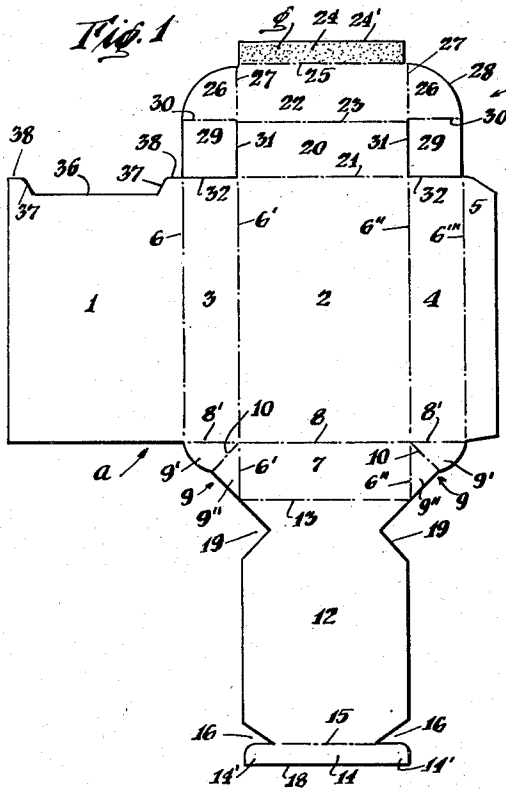


Fig. 2

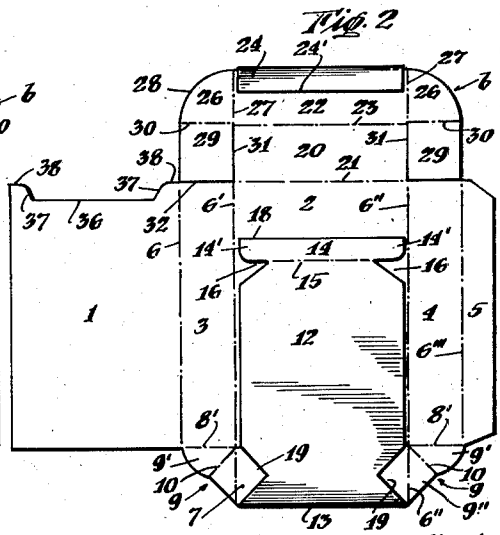


Fig. 3

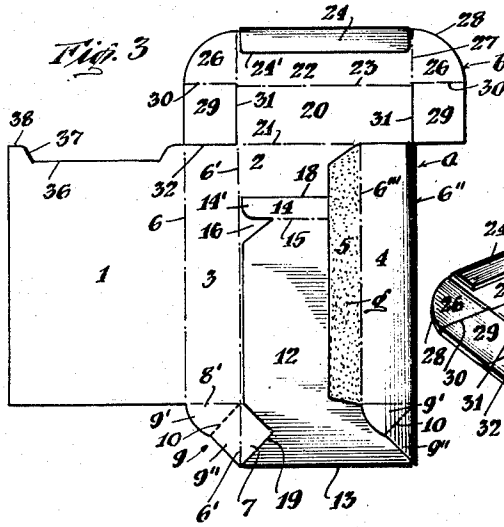


Fig. 4

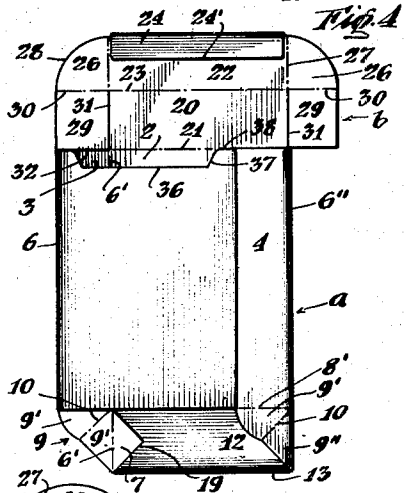
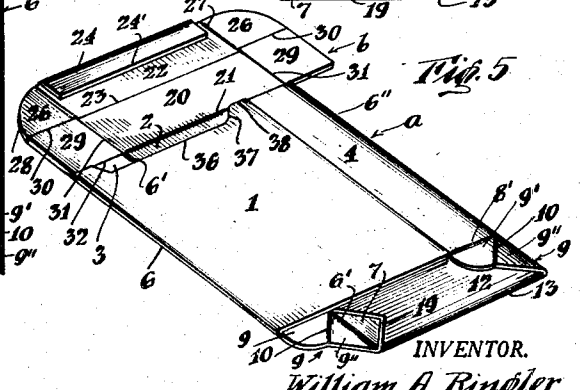


Fig. 5



INVENTOR.

William A. Ringler

BY

Albert M. Austin

ATTORNEY

Feb. 13, 1945. W. A. RINGLER 2,369,391

HINGED COVER CONTAINER

Filed July 21, 1942 3 Sheets-Sheet 2

Fig. 6

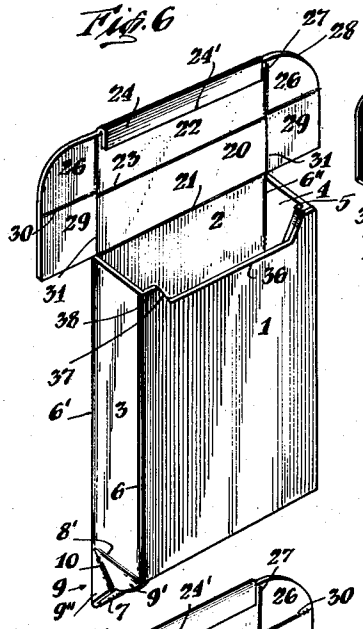


Fig. 7

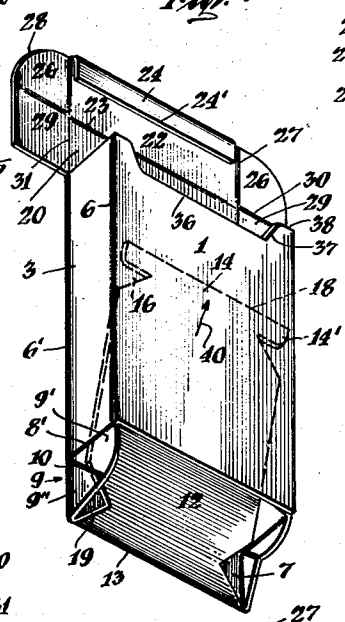
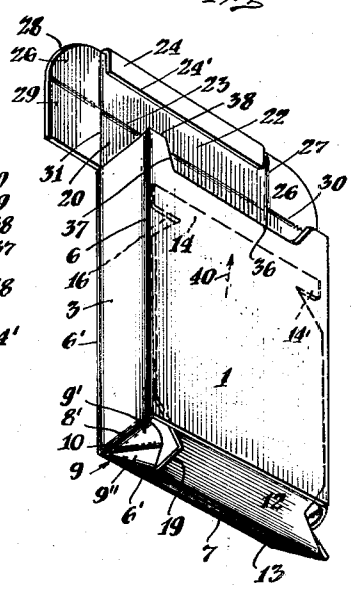


Fig. 8



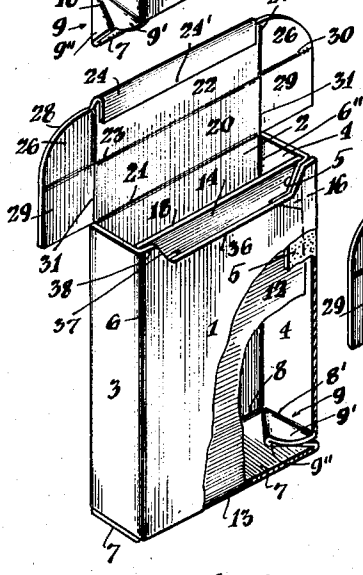


Fig. 9

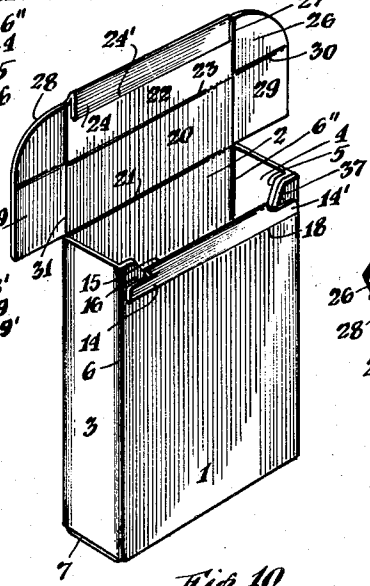
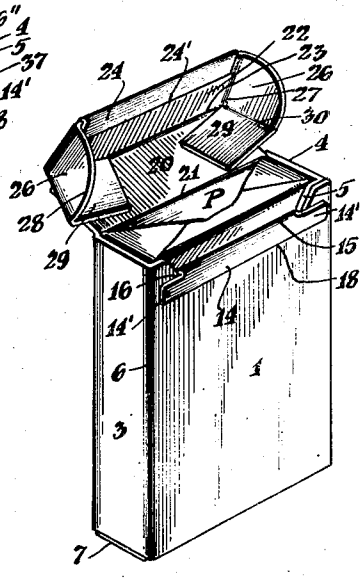


Fig. 10

Fig. 11



INVENTOR.

William A. Ringler

BY

Albert M. Austin

ATTORNEY

Feb. 13, 1945. W. A. RINGLER 2,369,391

HINGED COVER CONTAINER

Filed July 21, 1942 3 Sheets-Sheet 3

Fig. 12

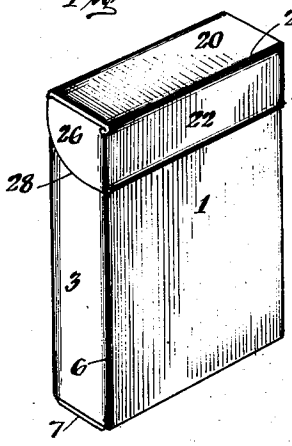


Fig. 13

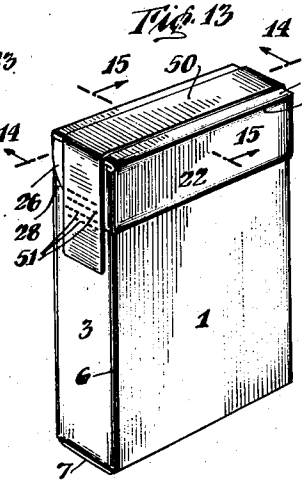


Fig. 14

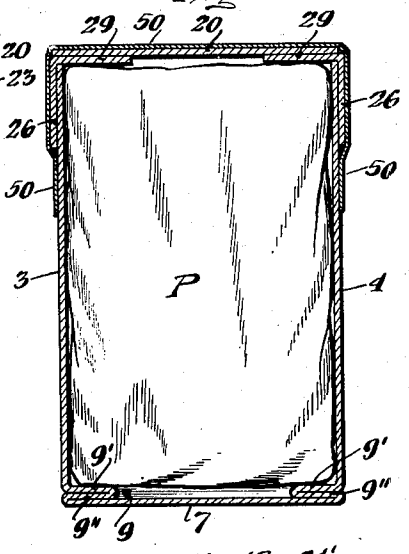


Fig. 15

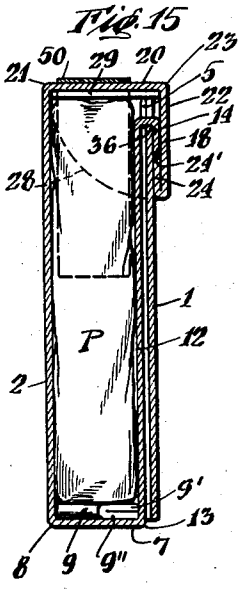


Fig. 16

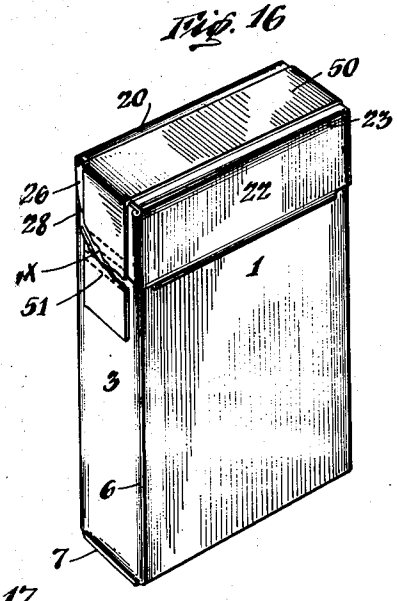


Fig. 18

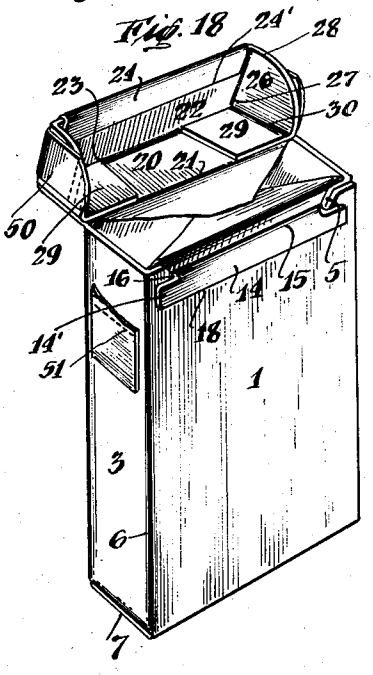
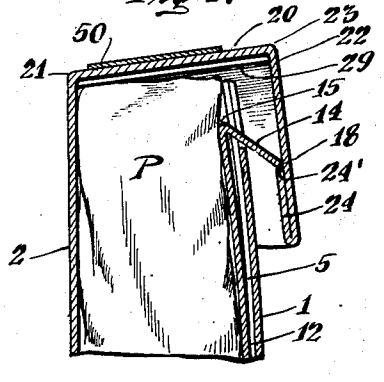


Fig. 17



INVENTOR.
William A. Ringler
BY
Albert M. Austin
ATTORNEY

Patented Feb. 13, 1945 2,369,391

UNITED STATES PATENT OFFICE

2,369,391

HINGED COVER CONTAINER

William A. Ringler, Wayne, Pa., assignor to National Folding Box Company, New Haven, Conn., a corporation of New Jersey

Application July 21, 1942, Serial No. 451,715

12 Claims. (Cl. 229—16)

This invention relates to hinged cover containers, and more particularly to a paperboard container comprising a box part and a cover part hinged thereto and adapted to telescope over the open end of the box part.

In accordance with this invention, the improved container may be formed from a single blank of paperboard material comprising a box forming part having a cover forming part hinged thereto along a transversely extending score line. The box forming part comprises front, rear and side wall panels arranged in side by side relationship and adapted to be secured together in tubular form. A bottom wall panel hinged to the lower end of the rear wall panel carries a pull-up tab which may be arranged to extend into the tubular body of the box part and seat against the inside face of the front wall panel thereof. An abutment flap is hinged to the upper end of the pull-up tab which may be folded over the notched upper edge of the front wall panel to provide a rigid support for the bottom wall panel, and means, designed to cooperate with an abutment flap associated with the cover part, is provided to retain the cover part in normally closed position. The ends of the bottom wall panel are connected to the adjacent lower ends of the side wall panels by bellows fold sections which serve to seal the ends of the bottom wall panel to the adjacent lower ends of the side wall panels when the box part is erected.

The cover part comprises a top wall panel hinged to the upper edge of the rear wall panel of the box part, a front flange section hinged to the top wall panel, and side wall sections hinged to each end of the front flange section. Each side wall section is provided with a securing tab adapted to be arranged to overlie the inside face of the top wall panel. An abutment flap is secured to the inside face of the front flange section which is adapted to cooperate with the abutment flap associated with the front wall panel of the box part to retain the cover part, when assembled, in closed position.

The container forming blank is so shaped and designed as to permit assembly thereof in collapsed condition so that a large number of collapsed assembled blanks may be stacked together in a small cubical space for shipment to the merchandise manufacturer. The assembly operation can be speedily performed at a high production rate on an automatic strip gluing and folding machine which operates to apply adhesive to the abutment flap associated with the cover part and fold this abutment flap into adhesive engagement with the inside face of the front flange section of the cover part. Substantially simultaneously the pull-up flap is folded over the inside face of the bottom wall panel and the rear wall panel of the box part, adhesive is supplied to a securing flap connected to one of the side wall panels of the box part, which side wall panel and its associated securing flap is then folded to overlie the previously folded pull-up flap, and finally the front wall panel is folded so as to overlie the other adjacent side wall panel and the glued face of the securing flap.

In erecting the assembled container, the merchanise packer draws the pull-up flap farther into the tubular body of the box part, which operation causes the body portion to expand into tubular form and simultaneously draws the bottom wall panel into end sealing position. The abutment flap associated with the pull-up tab is then folded over the notched upper edge of the front wall panel of the box part so as to overlie the outside face thereof. A merchandise plug may then be inserted into the assembed box part.

The cover part is assembled by folding the securing tabs and the side wall sections at right angles to the front flange section and then folding the front flange section at right angles to the top wall panel of the cover part. The cover part can then be swung into closed position, and when the cover is closed it will retain its assembled form. An adhesive tape or strip may then be applied over the top wall panel and side wall sections of the cover part so as to retain these parts in permanent assembled form.

This improved hinged cover container is so constructed as to permit shipment to the user in collapsed assembled form and yet permit erection and final assembly of the complete container by a few simple folding operations and without requiring the application of glue or adhesive thereto. The container is adapted for the packaging of numerous articles of merchandise and when assembled is sturdy and strong in construction and attractive in appearance.

An object of this invention is to provide an improved hinged cover container adapted to be formed from a single blank of paperboard material which can be assembled in collapsed form at high production speeds and at low cost for shipment to the merchandise manufacturer, who may then readily erect the container by a few simple operations which can be performed by hand or automatically.

Another object of this invention is to provide an improved hinged cover container having a cover part which may be assembled without adhesive and which thereafter may be held together in fixed assembled form by the application of a sticker tape applied thereto.

Another object of this invention is to provide an improved paperboard blank from which a hinged cover container may be quickly formed and assembled.

Other objects of this invention will become apparent as the disclosure proceeds.

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 and the manner in which it may be carried out, may be better understood by referring to the following description taken in connection with the accompanying drawings forming a part thereof, in which:

Fig. 1 is an inside face view of a prepared blank cut and scored to form the improved container;

Fig. 2 is a plan view of the blank as it appears following an initial folding operation;

Fig. 3 is a plan view of the blank as it appears after a further folding operation has been performed;

Fig. 4 is a plan view of the blank as it appears after the final folding operation, in which form the blank is assembled in collapsed tubular form ready for shipment to the user;

Fig. 5 is a perspective view of the assembled collapsed blank shown in Fig. 4;

Fig. 6 is a perspective view of the assembled blank as it appears after the body of the box part has been expanded into tubular form;

Fig. 7 is a perspective view of the container showing the bottom end wall panel in the process of being moved into end closing position;

Fig. 8 is a perspective view of the container showing the bottom wall panel at a further advanced stage of assembly, this view showing particularly the manner in which the bellows fold sections which connect the ends of the bottom wall panel to the side wall panels are folded;

Fig. 9 is a perspective view of the container showing the bottom wall panel in end closing position, certain parts being broken away to illustrate the position of the bellows fold sections when folded into container assembled position;

Fig. 10 is a perspective view of the container showing the manner in which the bottom wall panel of the box part is locked in end closing position;

Fig. 11 is a perspective view of the container illustrating the manner in which the cover part is assembled, this view also showing a merchandise package contained within the box part of the container;

Fig. 12 is a perspective view of the fully packed container showing the cover part as it appears when in closed position and telescoped over the box part;

Fig. 13 is a perspective view of the packed container showing a sealing strip applied to the cover part and the upper end of the box part which must be broken before the cover part can be swung into open position;

Fig. 14 is a vertical cross-sectional view through the packed container as it appears when viewed along lines 14—14 of Fig. 13;

Fig. 15 is another vertical cross-sectional view through the packed container as it appears when viewed along the line 15—15 of Fig. 13;

Fig. 16 is a perspective view of the packed container showing the manner in which the sealing strip is broken prior; to the opening of the cover part;

Fig. 17 is a vertical cross-sectional view of the upper portion of the packed container illustrating the inter-relationship between various elements when the cover part is partially opened; and

Fig. 18 is a perspective view of the container showing the cover part in full open position and maintained in fixed assembled position by the sealing strip adhering thereto.

Similar reference characters refer to similar parts throughout the several views of the drawings and the specification.

The blank as shown in Fig. 1 may be cut from large sheets or rolls of paperboard material which have preferably first been lithographed or printed. The paperboard sheets or rolls may be cut and scored on an automatic cutting and scoring machine at a high production rate so as to produce individual blanks in the form illustrated in Fig. 1.

The blank as shown in Fig. 1 comprises a box forming part *a* and a cover forming part *b* which are hingedly connected along the transversely extending score line 21. The body portion of the box is formed from a front wall panel 1, a rear wall panel 2, and side wall panels 3 and 4. One side edge of the front wall panel 1 is connected by a longitudinally extending score line 6 to the adjacent side edge of the side wall panel 3 while the opposite side edge of side wall panel 3 is connected by a longitudinally extending score line 6' to the adjacent side edge of rear wall panel 2. The opposite side edge of rear wall panel 2 is connected by a longitudinally extending score line 6'' to the adjacent side edge of side wall panel 4, while the opposite edge of side wall panel 4 is connected by longitudinally extending score line 6''' to the securing flap 5. The score lines 6, 6', 6'' and 6''' may be arranged in parallel relationship to define the vertical side edges of the body of the box part.

A bottom forming panel 7 is connected by a transversely extending score line 8 to the lower end of the rear wall panel 2. A bellows fold corner section 9 is connected by a transversely extending score line 8' to the lower end of the side wall panel 3 and is connected to the adjacent end of the bottom forming panel 7 by score line 6' which is substantially a continuation of score line 6' which joins side wall panel 3 to the rear wall panel 2. A similar bellows fold section 9 is connected by transversely extending score line 8' to the lower end of side wall panel 4 and to the adjacent end of bottom forming panel 7 by score line 6'' which is substantially a continuation of score line 6'' which connects rear wall panel 2 to side wall panel 4. Each of the bellows fold sections 9 is traversed by a diagonal score line 10 which divides the bellows fold section into a fold portion 9' and a fold portion 9'', as illustrated in Fig. 1.

A pull-up flap 12 is connected by a transversely extending score line 13 to the bottom forming panel 7 which, when the container is assembled is designed to be arranged adjacent the inside face of front wall panel 1. The transverse score line 13 extends substantially parallel to the score line 8 and defines the bottom wall panel 7 therebetween. A locking flap 14 is connected to the pull-up flap 12 by transversely extending score line 15. Each side edge of the pull-up flap 12 is notched as at 16 at a point adjacent the score line 15 so as to provide the locking flap 14 with end extensions 14'. Each side edge of the pull-up flap 12 is notched as at 19 adjacent the score line 13 to permit the bellows fold sections 9 to fold inwardly into container assembling position in the manner hereinafter described.

The cover part *b* comprises a top wall panel 20 hinged to the upper end of rear wall panel 2 along the transversely extending score line 21

and a front flange section 22 hinged to the top wall panel 20 along a transverse score line 23 which extends substantially parallel with the score line 21. A fixed abutment flap 24 is connected by transversely extending score line 25 to the front flange section 22, the score line 25 extending substantially parallel to the score line 23.

Each side wall of the cover part is formed by a side wall section 26 hinged to each end of the front flange section 22 along a longitudinally extending score line 27. The free outer edge of each side wall section 26 may possess a curvilinear contour 28 to enhance the appearance of the side wall section. A fold-in tab 29 is connected by a transversely extending score line 30 to each of the side wall sections 26. Each fold-in tab 29 is separated from the adjacent end of the top wall panel 20 by a longitudinally extending cut 31 and is separated from the adjacent end of the side wall panel of the box part by a transversely extending cut 32. Each of the score lines 30 may extend substantially in alignment with score line 23. One of the score lines 27 is substantially in alignment with score line 6' of the box part and the other score line 27 is substantially in alignment with score line 6'' of the box part, except that the score lines 27 should be spaced fully as far apart and preferably slightly farther apart than the score lines 6' and 6'' so as to permit the side wall sections 26 of the cover part to snugly telescope over the upper ends of the side wall panels 3 and 4 of the box part when the assembled cover part is in closed position.

It will be noted by referring to Fig. 1 that the upper transverse edge 36 of the front panel 1 of the box part is placed below and out of alignment with the transverse score line 21. Each end of the transverse edge 36 joins a beveled edge 37 which extends to the top shoulder edge 38 of the front wall panel 1. The depressed transverse edge 36 provides a seat for the folded locking flap 14 associated with the pull-up flap 12 of the box part, as will be more particularly described hereinafter.

The blank 1 is glued and folded into the collapsed assembled form illustrated in Figs. 4 and 5 by a few simple high speed operations which can be performed on an automatic folding and gluing machine. This assembly operation is accomplished by first applying a strip of adhesive *g* to the inside face of the abutment flap 24, as shown in Fig. 1, following which the abutment flap 24 is folded over and adhesively secured to the inside face of the front flange section 22, as illustrated in Fig. 2. Substantially simultaneously with this folding operation, the pull-up flap 12 at the bottom end of the blank is folded about the transverse score line 13 so as to overlie the inside face of the bottom panel 7 and the rear wall panel 2, in the manner illustrated in Fig. 2. A strip of adhesive is then applied to the outside face of the securing flap 5, following which the side wall panel 4 is folded about score line 6'' so as to overlie the infolded pull-up flap 12, as illustrated in Fig. 3. The front wall panel 1 is then folded about score line 6 so as to overlie the inside face of the side wall panel 3, the outside face of pull-up flap 12 and the glued face of securing flap 5. The free side edge of the front wall panel 1 is then pressed into firm adhesive engagement with the securing flap 5, so as to produce the assembled collapsed blank as illustrated in Fig. 4. The assembled collapsed blanks, each formed as illustrated in Fig. 4, may be stacked together and packaged at the box factory for shipment to the merchandise manufacturer and stored until ready for use. The assembled collapsed blanks thus require minimum shipping and storage space and substantial economies are thereby effected.

When the merchandise manufacturer desires to pack the merchandise in the container, the collapsed body of the box part as illustrated in Figs. 4 and 5 is expanded into erect tubular form as illustrated in Fig. 6. The upper end of the pull-up flap 12, which is already contained within the expanded tubular body of the box part, is pulled upwardly in the direction of the arrow 40, as shown in Figs. 7 and 8. The upper end of the pull-up flap 12 is readily accessible through the open upper end of the box part. The upward pull exerted on the pull-up flap 12 causes the bottom forming panel 7 to swing into end closing position. Simultaneously each of the bellows fold sections 9 collapses or folds about the diagonal fold line 10 so as to position the bellows fold portion 9'' in position to overlie the inside face of the bottom wall panel 7 and place the complementary bellows fold portion 9' in position to overlie its associated bellows fold portion 9''. Each of the bellows fold sections 9 is free to fold in the manner indicated and without obstruction or interference from the pull-up tab 12 by reason of the notches 19 provided in the adjacent edges of the pull-up flap 12. Each of the notches 19 is shaped so as to clear the bellows fold sections 9 as they undergo collapsed folding, as illustrated in Fig. 17.

When the pull-up flap 12 has been drawn to its full upward position, it will be noted by referring to Fig. 9 that the bottom wall panel 7 is in position to fully close the bottom end of the box part *a* and that the bellows fold portion 9'' of each bellows fold section 9 snugly overlies the inside face of the bottom wall flap 7 with the complementary bellows fold portion 9' snugly overlying its associated bellows fold portion 9''. It will be further noted by referring to Fig. 9 that when the bottom wall panel 7 is in proper end closing position, the transverse score line 15 at the upper end of the pull-up flap 12 will be substantially in alignment with the depressed top edge 36 of the front wall panel. In this position the end extensions 14' of the locking flap 14 are free to flex over the upper inclined edges 37 of the front wall panel 1. The notches 16 in the pull-up flap 12 are also so shaped as to permit the locking flap 14 to be drawn forwardly so as to overhang the outside face of the front wall panel 1 of the box part, as illustrated in Fig. 10. The end extensions 14' of the locking flap 14 are sufficiently resilient to readily flex over the tapered edges 37 of the front wall panel 1 as the locking flap is folded over the depressed edge 36 of the front wall panel, and will then flex back to their original extended position so that the locking flap 14 and its associated end extensions 14' may lie flat against the outside face of front wall panel 1.

The locking flap 14 will remain in its downturned locked position shown in Fig. 11 with the end extensions 14' constantly abutting the shoulder portions 37 of the upper side edges of the front wall panel 1. The locking flap 14, however, can be swung from its downturned position to a position approximately at right angles to the front wall panel 1 without releasing or unlocking the end extensions 14' from their position of abutment against the shoulder portions 37 of the

front wall panel 1. The lower free edge 18 of the abutment flap 14 is so designed and proportioned as to abut the infolded free edge 24' of the fixed abutment flap 24 associated with the cover part when the cover part is assembled in closed position. The locking flap 14 also serves to maintain the bottom wall panel 7 in fixed end closing position so that the end wall panel 7 has adequate strength and rigidity to support merchandise placed within the box part.

When the box part has been assembled into the form illustrated in Figs. 9 and 10, the merchandise plug or package P may be freely telescoped into the assembled box part, as illustrated in Fig. 11. The cover part is then assembled, as illustrated in Fig. 11, by folding the cover tabs 29 into position substantially at right angles to their associated side wall sections 26, by folding side wall sections 26 at right angles to front flange section 22 and by folding the front flange section 22 at right angles to the top wall panel 20, as illustrated in Fig. 11. If desired, a spot of adhesive *g* may be applied either to the outside face of each of the tabs 29 or the inside face of the top wall panel 20 at each end thereof, so that when the tabs 29 are positioned so as to overlie the inside face of the top wall panel 20, the tabs 29 will be firmly secured thereto. However, the operation of gluing the tabs 29 to the inside face of the top wall panel 20 may, if desired, be eliminated and the side wall sections 26 may be held in fixed assembled position by the use of a piece of sticker tape 50, as illustrated in Figs. 13, 16 and 18 and hereinafter described.

When the cover part *b* has been assembled in the form shown in Fig. 11, it may then be telescoped over the cover part into the closed position illustrated in Fig. 12. When the cover part is in closed position, the front flange section 22 overlies the front wall panel 1 and the side sections 26 of the cover part overlie the adjacent side wall panels 3 and 4 of the box part. It will be further noted by referring to Fig. 15 that the abutment edge 24' of the fixed abutment flap 24 will be positioned so as to abut the lower free edge 18 of the hinged locking flap 14. The fixed abutment flap 24 serves both as a means for retaining the bottom wall panel 7 in closed position and as a means cooperating with the abutment flap in the cover part to retain the cover in closed position and resist opening thereof.

It will be noted that when the cover part is in the closed position illustrated in Figs. 12 and 15, the cover part is maintained in fixed assembled position even though the tabs 29 of the cover part are not adhesively secured to the top wall panel 20. If, however, the cover part is opened the side wall sections 26 of the cover part will tend to swing outwardly, as illustrated in Fig. 11, and disarrange the proper assembled position of the cover. If, however, an adhesive sealing strip 50 is applied over the top wall panel 20 to extend over the side wall sections 26 and into engagement with the side wall panels 3 and 4, the cover part will thereby be maintained in fixed assembled position even though the adhesive strip is broken along lines *x* as shown in Fig. 16 and the cover part swung open as shown in Fig. 18. Thus it will be appreciated that the operation required in adhesively securing the tabs 29 to the top wall panel 20 may be eliminated if, after the cover part is in closed position as shown in Fig. 12, a sealing strip 50 is adhesively secured to the top wall panel 20 and the side wall sections 26 of the cover part. The sealing strip 50 may be in the form of a revenue stamp or the sealing strip may comprise any other strip of paper which may be suitably imprinted or decorated. The sealing strip 50 provides a seal for the cover part which must be broken or mutilated before the cover part can be opened. The sealing strip 50 may be provided with a series of transverse perforations 51 to fix the tear point of the sealing strip at or adjacent to the lower edge of the side wall section 26. Thus the sealing strip 50 is held intact at points between side wall sections 26 and the top wall panel 20 of the cover part so as to maintain the sections 26 and the panel 20 in fixed assembled position.

When access to the contents is desired, the sealing strip is broken along the perforated lines 51 and upward pressure exerted on the lower free edge of the front flange section 22 of the cover part. Stresses are thus imposed upon the front wall panel and rear wall panel 2 of the box part, causing them to bow as illustrated in Fig. 17. The stresses thus engendered resist opening of the cover part and maintain the cover part in positive closed position until sufficient upward force is exerted on the front flange section 22 to overcome its resistance. However, a very light downward force only need be exerted on the top wall panel 20 of the cover part to effect closing of the cover part. The hinged abutment flap 14 and fixed abutment flap 24 are so shaped and proportioned as to offer the desired resistance to the normal opening or closing of the cover part, so that the cover part is retained in closed position and will not open during normal handling of the container. Thus the cover part can only be opened by applying force to the cover part sufficient to overcome the resistance offered by the hinged abutment flap 14 and the fixed abutment flap 24. The swinging movement of the hinged abutment flap 14 to the extent necessary to open and close the cover will not release the end extensions 14' of the flap 14 from their abutting position against the outside face of the shoulder portions 39 of the front wall panel 1.

The blank shown in Fig. 1 may be cut and formed at high speed on an automatic cutting and scoring machine and the blank can be assembled into the collapsed assembled form shown in Fig. 4 on an automatic strip gluing and folding machine at a high production rate. The merchandise manufacturer can quickly assemble the box part of the container by the simple operation of exerting an upward pull on the pull-up flap 12 and bending the locking flap 14 into position so as to overlie the front wall panel 1. The merchandise plug or package can then be readily inserted into the open end of the box part. The cover part, as shown in Fig. 18, may be quickly assembled by folding the tabs 29, the side wall sections 26 and the front flange section 22 at right angles to one another, following which the cover part may be swung into closed position as illustrated in Fig. 12. When the revenue stamp or sealing strip 50 is adhesively applied to the cover part, as shown in Fig. 13, the cover part will at all times be maintained in its proper fixed assembled position. The cover part and box part are so constructed that the cover part will not open during normal handling of the container.

The improved container above described is strong and sturdy in construction and attractive in appearance. The container is adapted for the packaging of numerous articles of merchandise, such as smoking tobacco, cigars, cigarettes and other articles of merchandise which have here-

tofore been packaged in metal or other rigid hinged cover containers. This improved merchandise container can be manufactured, packed and assembled at substantially less than the cost of rigid containers of comparable size and is equally as serviceable in use.

While certain novel features of the invention have been disclosed and are pointed out in the annexed claims, it will be understood that various omissions, substitutions and changes may be made by those skilled in the art without departing from the spirit of the invention.

What is claimed is:

1. An improved hinged cover container formed from paperboard material comprising, a box part having connected front, rear and side wall panels, a bottom wall panel connected to the lower end of the rear wall panel, a pull-up flap connected to said bottom wall panel and overlying the inside face of said front wall panel, and an abutment flap connected to said pull-up flap overlying the outside face of said front wall panel, and a cover part having a top wall panel hinged to the upper edge of the rear wall panel, a front flange section and side flange sections associated with the top wall panel and adapted to telescope over the front wall panel and side wall panels respectively of the box part, and abutment means associated with said front flange section adapted to cooperate with the abutment flap associated with the front wall panel of the box part to normally retain the cover part in closed position and operative to resist opening movement thereof.

2. An improved hinged cover container formed from paperboard material comprising, a box part having connected front, rear and side wall panels, a bottom wall panel connected to the lower end of the rear wall panel, a pull-up flap connected to said bottom wall panel and overlying the inside face and extending substantially the full length of said front wall panel, and an abutment flap connected to said pull-up flap folded over the upper edge of said front wall panel, and a cover part having a top wall panel hinged to the upper edge of the rear wall panel, a front flange section and side flange sections associated with the top wall panel and adapted to telescope over the front wall panel and side wall panels respectively of the box part, and abutment means associated with said front flange section adapted to cooperate with the abutment flap associated with the front wall panel of the box part to normally retain the cover part in closed position and operative to resist opening movement thereof.

3. An improved hinged cover container formed from paperboard material comprising, a box part having connected front, rear and side wall panels, said top wall panel having shoulder portions adjacent each side edge thereof, a bottom wall panel connected to the lower end of the rear wall panel, a pull-up flap connected to said bottom wall panel and overlying the inside face and extending substantially the full length of said front wall panel, and an abutment flap connected to said pull-up flap folded over the upper edge of said front wall panel and engaging the shoulder portions thereof, and a cover part having a top wall panel hinged to the upper edge of the rear wall panel, a front flange section and side flange sections associated with the top wall panel and adapted to telescope over the front wall panel and side wall panels respectively of the box part, and abutment means associated with said front flange section adapted to cooperate with the abutment flap associated with the front wall panel of the box part to normally retain the cover part in closed position and operative to resist opening movement thereof.

4. An improved hinged cover container formed from a single blank of paperboard material comprising, a box part having connected front, rear and side wall panels, a bottom wall panel connected to the lower end of the rear wall panel, a pull-up flap connected to said bottom wall panel and overlying the inside face of said front wall panel, an abutment flap connected to said pull-up flap overlying the outside face of said front wall panel, and bellows fold sections connecting the adjacent ends of said bottom wall panel and side wall panels, and a cover part having a top wall panel hinged to the upper edge of the rear wall panel, a front flange section and side flange sections adapted to telescope over the front wall panel and side wall panels respectively of the box part, and abutment means associated with said front flange section adapted to cooperate with the abutment flap associated with the front wall panel of the box part to normally retain the cover part in closed position and operative to resist opening movement thereof.

5. An improved hinged cover container formed from a single blank of paperboard material comprising, a box part having connected front, rear and side wall panels, a bottom wall panel connected to the lower end of the rear wall panel, a pull-up flap connected to said bottom wall panel and overlying the inside face of said front wall panel, an abutment flap connected to said pull-up flap overlying the outside face of said front wall panel, and bellows fold sections connecting the adjacent ends of said bottom wall panel and side wall panels, said pull-up flap having a notch cut out in each side edge thereof whereby said pull-up flap does not interfere with the folding assembly of said belows fold sections, and a cover part having a top wall panel hinged to the upper edge of the rear wall panel, a front flange section and side flange sections adapted to telescope over the front wall panel and side wall panels respectively of the box part, and abutment means associated with said front flange section adapted to cooperate with the abutment flap associated with the front wall panel of the box part to normally retain the cover part in closed position and operative to resist opening movement thereof.

6. An improved hinged cover container formed from a single blank of paperboard material comprising, a box part having connected front, rear and side wall panels, said front wall panel having a notch cut out in the upper edge thereof presenting raised shoulder portions at each side edge of said front wall panel, a bottom wall panel connected to the lower end of the rear wall panel, a pull-up flap connected to said bottom wall panel and overlying the inside face of said front wall panel, an abutment flap having end extensions connected to said pull-up flap adapted to overlie the outside face of said front wall panel with said end extensions abutting said shoulder portions, and bellows fold sections connecting and sealing the adjacent ends of said bottom wall panel and side wall panels, and a cover part having a top wall panel hinged to the upper edge of the rear wall panel, a front flange section and side flange sections adapted to telescope over the front wall panel and side wall panels respectively of the box part, and abutment means associated with said front flange section adapted to cooperate with the abutment flap associated with the front wall panel of the

box part to normally retain the cover part in closed position and operative to resist opening movement thereof.

7. An improved hinged cover container formed from a single blank of paperboard material comprising, a box part having connected front, rear and side wall panels, a bottom wall panel hinged to the lower end of the rear wall panel, a pull-up flap connected to said bottom wall panel overlying the inside face of said front wall panel and extending substantially the full length thereof, and an abutment flap having end extensions connected to said pull-up flap adapted to overlie the outside face of said front wall panel, said front wall panel having shoulder portions adapted to be engaged by the end extensions of said abutment flap, and a cover part having a top wall panel hinged to the upper edge of the rear wall panel of the box part and front and side flange sections adapted to telescope over the respective front and side wall panels of the box part, and abutment means associated with said front flange section adapted to cooperate with the abutment flap associated with the front wall panel of the box part to normally retain the cover part in closed position and operative to resist opening movement thereof.

8. An improved hinged cover container formed from a single blank of paperboard material comprising, a box part having connected front, rear and side wall panels, a bottom wall panel hinged to the lower end of the rear wall panel, a pull-up flap connected to said bottom wall panel overlying the inside face of said front wall panel and extending substantially the full length thereof, an abutment flap having end extensions connected to said pull-up flap adapted to overlie the outside face of said front wall panel, said front wall panel having shoulder portions adapted to be engaged by the end extensions of said abutment flap, bellows fold sections connecting and sealing the adjacent ends of said bottom wall panel and side wall panels, said pull-up flap having a notch cut out in each side edge thereof whereby said pull-up flap will not interfere with the folding assembly of said bellows fold sections, and a cover part having a top wall panel hinged to the upper edge of the rear wall panel of the box part and front and side flange sections adapted to telescope over the respective front and side wall panels of the box part, and abutment means associated with said front flange section adapted to cooperate with the abutment flap associated with the front wall panel of the box part to normally retain the cover part in closed position and operative to resist opening movement thereof.

9. An improved paperboard blank adapted to form a hinged cover container comprising, front, rear and side wall panels and a securing flap arranged in side by side relationship, said front wall panel having a notch cut out in the upper end thereof, a bottom wall panel hinged to and extending from the lower end of said rear wall panel, a pull-up flap hinged to and extending from said bottom wall panel, an abutment flap having end extensions hinged to and extending from the end of said pull-up flap, bellows fold sections connecting the adjacent ends of said bottom wall panel and side wall panels, said pull-up flap having a notch cut out in each side edge thereof whereby said pull-up flap will not interfere with the folding assembly of said bellows fold sections, and a cover forming part having a top wall panel hinged to the upper end of said rear wall panel, a front flange section hinged to and extending from the opposite edge of said top wall panel, an abutment flap hinged to an extending from the opposite edge of said front flange section, a side wall section hinged to and extending from each end of said front flange section, and a securing tab hinged to and extending from each of said side wall sections.

10. An improved container formed from a single blank of paperboard material having front, rear and side wall panels, a bottom wall panel hinged to the lower end of the rear wall panel, a pull-up flap connected to said bottom wall panel overlying the inside face of said front wall panel and extending substantially the full length thereof, an abutment flap having end extensions connected to said pull-up flap adapted to overlie the outside face of said front wall panel, said front wall panel having shoulder portions adapted to be engaged by the end extensions of said abutment flap, bellows fold sections connecting and sealing the adjacent ends of said bottom wall panel and side wall panels and normally overlying the inside face of said bottom wall panel, said pull-up flap having a notched cut-out in each side edge thereof adjacent said bottom wall panel whereby said bellows fold sections are free to fold inwardly without obstruction when said bottom wall panel is swung into bottom closing position.

11. A paperboard container forming blank having front, rear and side wall panels arranged in side by side relationship, said front wall panel having a notched cutout at the upper end thereof defining a center section of reduced length and raised shoulder portions at each side thereof, a bottom wall panel hinged to and extending from the lower end of said rear wall panel, a pull-up flap hinged to and extending from said bottom wall panel, said pull-up flap comprising a panel section of substantially the same length as the length of the center section of said front wall panel, and an abutment flap hinged to the upper end of said panel section adapted to fold over the upper edge of the center section when the container is assembled, said abutment flap having outwardly projecting end extensions adapted to engage the adjacent raised shoulder portions of said front wall panel when the container is assembled, and a cover forming panel hinged to the upper end of said rear wall panel.

12. A paperboard container forming blank having front, rear and side wall panels arranged in side by side relationship, a bottom wall panel having a width substantially equal to said rear wall panel hinged to and extending from the lower end of said rear wall panel, a pull-up flap having a normal width substantially equal to said bottom wall panel hinged to and extending from said bottom wall panel, and a pair of bellows fold sections connecting the adjacent ends of said bottom wall panel and side wall panels adapted to overlie the inside face of said bottom wall panel when the container is assembled, said pull-up flap having a pair of notched cut-outs formed in the sides thereof reducing the width of said pull-up flap at a point adjacent to said bellows fold sections whereby said bellows fold sections are free to fold inwardly without interference from said pull-up flap when said blank is erected into container form.

WILLIAM A. RINGLER.