

May 18, 1954

K. C. FERGUSON ET AL
SHIPPING CONTAINER

2,678,765

Filed June 9, 1950

2 Sheets-Sheet 1

FIG. 1

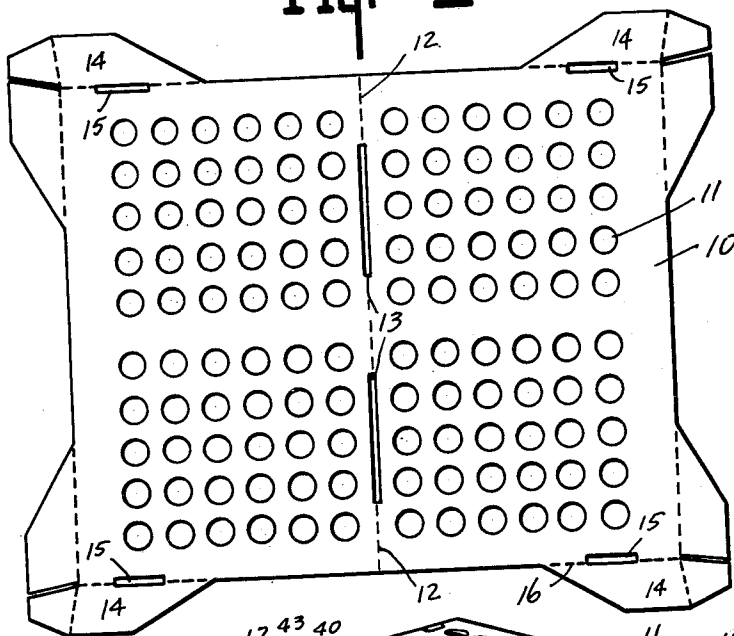


FIG. 5

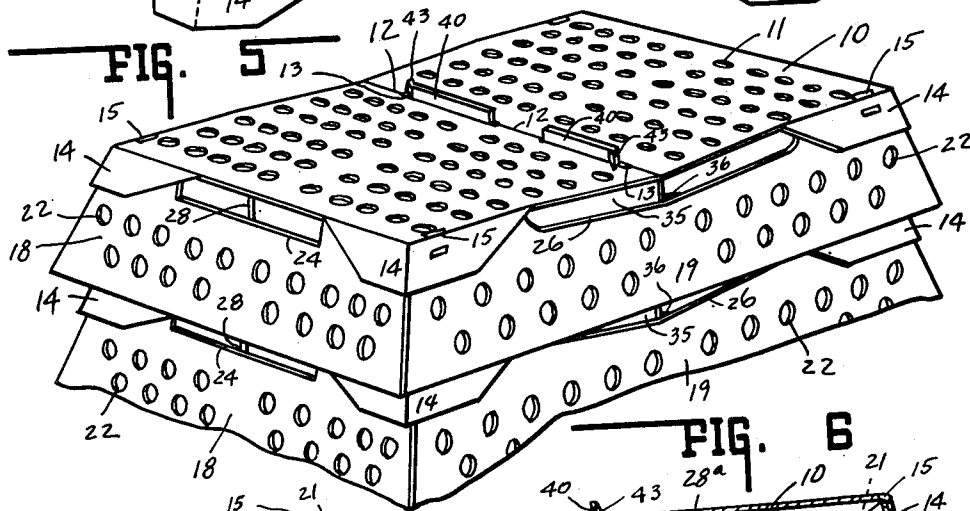


FIG. 6

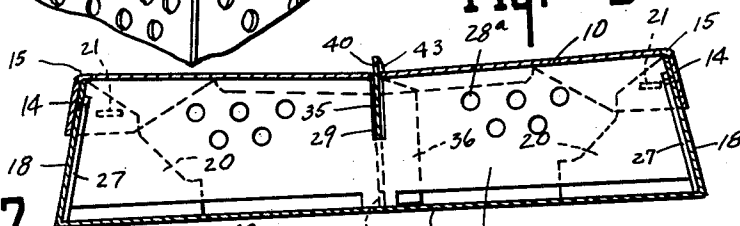
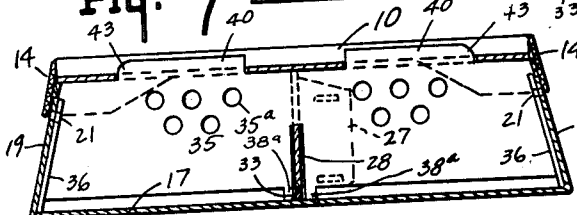


FIG. 7



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FIG. 2

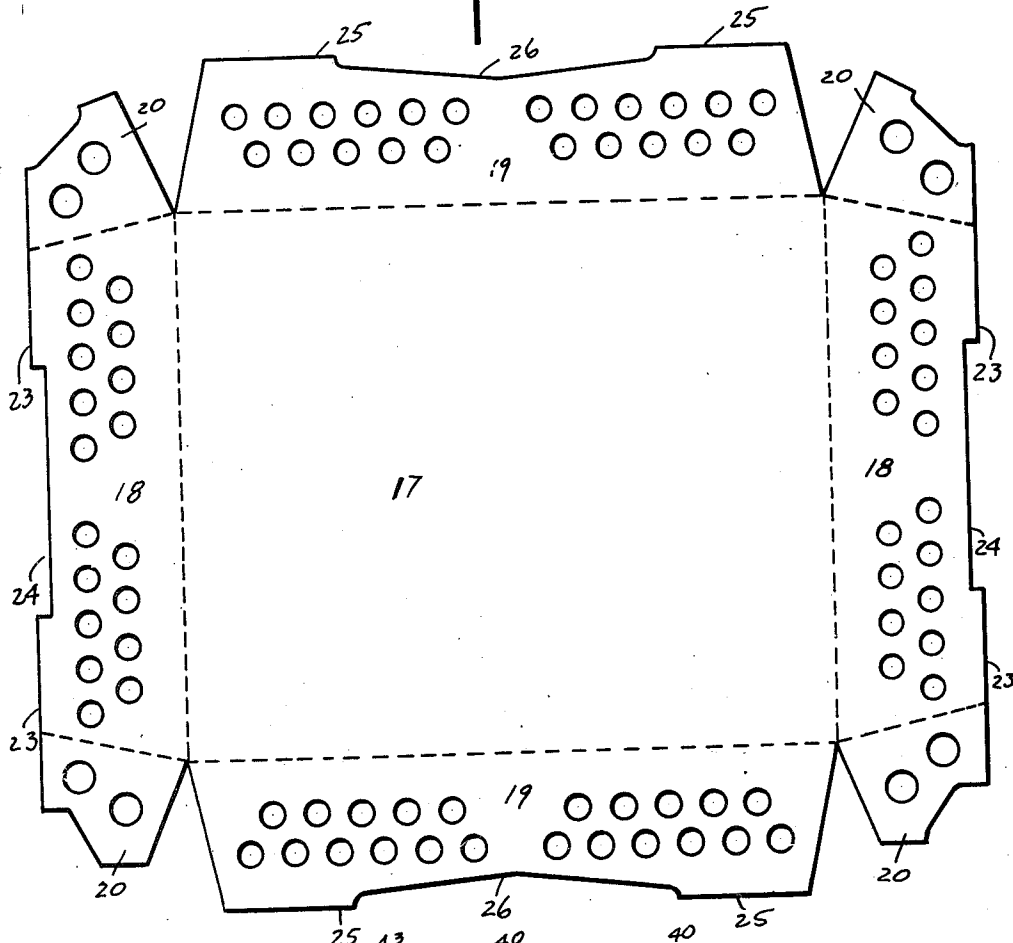


FIG. 3

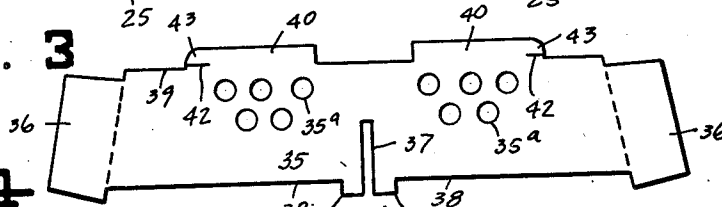
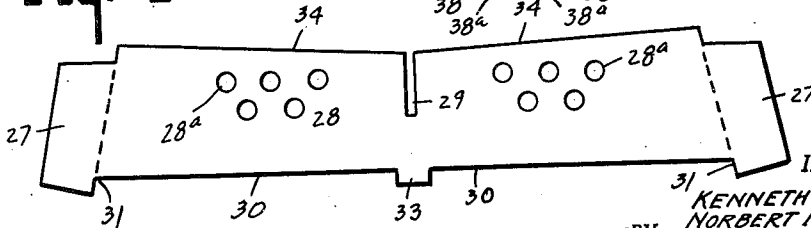


FIG. 4



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SHIPPING CONTAINER

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Application June 9, 1950, Serial No. 167,118

1 Claim. (Cl. 229—6)

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This invention relates to a shipping container preferably formed of corrugated paper board, and particularly adapted for the shipment of baby chicks, etc.

This application is a continuation in part of the copending application Serial No. 106,838 filed July 26, 1949 and entitled "Shipping Container," now abandoned.

One chief object of this invention is to provide a container that can be stacked with others and disposed in side by side position and insure ventilation through the sides and ends and through the cover, etc.

Another chief object of this invention is to prevent so-called toe pinching.

A further chief object of this invention is to construct the container in such form that the cover is locked to the main body through cover exposed partition locks which, however, do not constitute rocking bearings in a stack of boxes, the cover, however, being medially supported by the partition so that center collapse of the case is prevented should upper boxes shift laterally and bear upon the central portion of the cover.

The chief feature of the present invention resides in the construction of the box, partitions therein and cover whereby the aforesaid objects are accomplished.

Other objects and features of the invention will be set forth more fully hereinafter.

The full nature of the invention will be understood from the accompanying drawings and the following description and claim:

In the drawings Fig. 1 is a developed plan of the blank forming the cover.

Fig. 2 is a similar view of the blank forming the box proper.

Fig. 3 is a similar view of the blank forming one of the transverse partitions.

Fig. 4 is a similar view of the blank forming the other of the transverse partitions.

Fig. 5 is a perspective view of the shipping container disposed in superposed relation to a second container, the upper portion only of the latter being shown.

Fig. 6 is a longitudinal central sectional view of the container and is taken immediately at one side of the partition shown in Fig. 3.

Fig. 7 is a transverse central sectional view of the container and is taken immediately at one side of the other partition shown in Fig. 4.

In Figs. 1, 5, 6 and 7, 10 indicates a cover forming blank provided with ventilating holes 11 of suitable size and disposition and of the desired

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number. Said blank includes transverse median crease 12 and coincident therewith are longitudinally aligned slots 13 hereinafter to be referred to more fully.

Each corner of said rectangular cover portion 10 is provided with a corner skirt formation 14. The cover, if desired, may include small slots 15 at the junction 16 of said skirt with said cover. These slots permit the insertion of the anvil portion of a stapler when the cover is applied to the box and the cover is to be stapled to said box.

The box, see Figs. 2, 5, 6 and 7, comprises a bottom 17, two end walls 18 and two side walls 19. Flaps 20 on the end walls may interiorly lap the side walls and be stapled thereto as at 21. A suitable number of ventilating holes 22 of suitable size and disposition may be provided. The resulting box is frusto-pyramidal in shape with the base of greatest area. The cover, when applied to said box, does not extend beyond the projected outlines of said bottom. This permits close side by side disposition of containers without preventing side and end ventilation thereof.

The end walls have a greater effective height than said side walls except at the box corners. The top edge 23 of each end 18 is notched out as at 24 to provide a ventilation slot when the cover is applied. The top edge 25 of each side 19 is angled as it were, having its lowest portion at the center. This top edge also is notched at 26 so that when the cover is applied to the container an elongated ventilating slot is provided adjacent the cover and in the side wall.

The partition 28 shown in Figs. 4 and 6 includes end flaps 27 and a main body portion having a series of ventilating holes as generally indicated at 28a. It also includes a central slot 29 for interfitting with the partition shown in Fig. 3. The bottom edge 30 from the ends toward the center and terminating short thereof is notched upwardly as at 31. The central portion 33 also is disposed slightly above the bottom to prevent toe pinching, when assembled by stitching the flaps 27 to the end walls. The cover, when applied, rests upon the upper edge 34 of said partition and said edge also is dished or sloped downwardly and centrally. Thus the cover can be dished downwardly since it is centrally creased as aforesaid at 12.

The other partition 35 shown in Figs. 3 and 7 is provided with a series of ventilating holes as generally indicated at 35a. It is formed with end flaps 36 adapted for stapling to the side walls and includes a central slot 37 for interfitting as-

sociation with the first mentioned partition in the well known manner. The lower edge 38 of this partition is generally disposed above the box floor or bottom to prevent toe pinching, as by a central supporting tap portion indicated at 38a.

The upper edge 39 includes two upwardly directed longitudinally aligned tongues 40, one or both ends of which are slit at 42 for forming a locking tab 43. When the tongues are disposed in the cover aligned slots and these tabs are turned angularly they lock down the dished central portion of said cover to the top edge of said partition 35. In this locked position the cover at the sides and ends is spaced from the bottom of the top edge notches in the side and end walls.

Note stapling at the corners will not effect cover dishing necessary for cover ventilation. Since the cover has no skirt at the central portion of its side edges and the upper central portion of the sides is notched out as described, the aforesaid partition locks effect cover dishing and cover locking whether the cover be stapled at the corner or such corner stapling is omitted.

While the aforesaid description has been in great detail, same is to be considered by way of example only and not by way of restriction, reference being had to the appended claim for the scope and definition.

The invention claimed is:

A shipping container of the character described having a bottom and inwardly and upwardly disposed side and end walls, each of said walls having cover supporting corner portions rising therefrom with the upper edges of said walls intermediate said portions disposed below the upper edges of said corner portions, a cover resting at its corners only upon the said corner portions to span the lengths of said walls between said corner portions and lie in spaced rela-

tion to the intermediate portions of said walls, corner skirt portions depending from the corner portions only of said cover spaced from each other and integral with said cover and in overlapped embracing relation only with the corner portions of said walls, the spaces between said cover and the upper edges of said walls between said cover skirt portions providing elongated ventilating openings for the interior of said container adjacent to and under the exposed edges of said cover, upstanding partition walls disposed medially lengthwise and transversely within said container and extending to the ends and sides of said container, said partition walls having their upper edges disposed in substantially the same horizontal plane with the upper edges of said corner supporting portions, whereby the medial portion of said cover and its side and end edges will be maintained at all times spaced from the upper edges of said intermediate side and end wall portions, and means for locking the upper edges of one of said partition walls with the overlying portion of said cover.

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