June 6, 1944. N. F. SCHAEFER 2,350,932

CHICK BOX STRUCTURE

Original Filed Dec. 15, 1938

FIG. 1

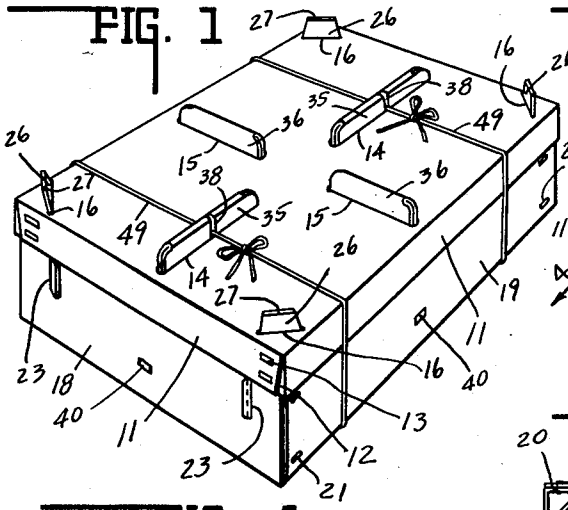


FIG. 2

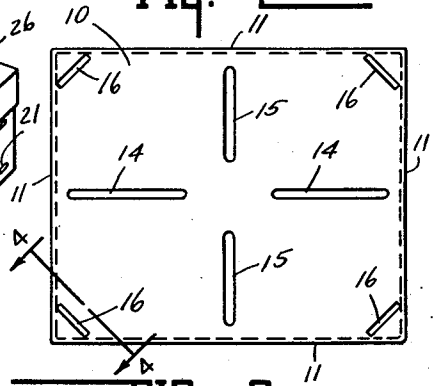


FIG. 3

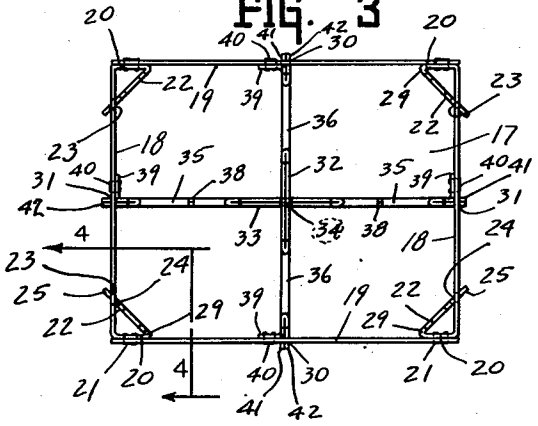
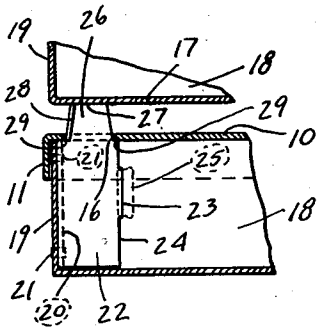


FIG. 4



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CHICK BOX STRUCTURE

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Original application December 15, 1938, Serial No. 245,863. Divided and this application January 31, 1942, Serial No. 429,052

1 Claim. (Cl. 229—32)

This invention relates to a chick box structure which in the prefererd form is capable of stacking in so-called ventilated relation.

This application is a division of copending application Serial No. 245,863 filed December 15, 1938, now Patent No. 2,280,544 dated April 21, 1942.

The chief object of this invention is to provide a chick box wherein corner smothering of the chicks is prevented.

Another object of the invention is to provide suitable means which herein project through the cover of such a box and which are formed integral with the box bottom structure and whereby the former serve as spacing means for maintaining a superposed box in spaced relation so that the lower and supporting box may be cover ventilated, as that term is commonly employed in this art.

For the purpose of clearness, there is omitted from this disclosure the various ventilating apertures and their method of fabrication, et cetera, in and from said cover and the various side and end walls of such a container, this being old and well known in the chick box art.

One embodiment of the invention utilizes the corner biasing structure as a box spacing element. This corner biasing structure not only eliminates the corner arrangement and keeps the chicks from crowding therein with resultant smothering thereof, but forms an additional cover support and furthermore serves as an additional lock between adjacent end and side walls in addition to the conventional connections.

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

In the drawing, Fig. 1 is a perspective view of a covered chick box embodying the invention. Fig. 2 is a top plan view of the cover looking down upon the same. Fig. 3 is a top plan view of the box bottom looking into the same. Fig. 4 is a transverse sectional view taken on lines 4—4 and in the direction of the arrows of Figs. 2 and 3, and illustrates not only the corner reenforcement and smothering prevention arrangement but also illustrates the additional cover support and a portion of the superposed container supported by the upper projection of the corner trussing arrangement.

In the drawing 10 indicates the top of a cover having downwardly directed flange portions 11 at each edge forming a rim when connected together and such connection may be in any suitable manner, such as by end flaps 12 of certain rim portions 11, secured as at 13. The cover includes two pairs of spaced slots transversely arranged, one pair being indicated by the numeral 14 and the other pair by the numeral 15. These slots extend from the center of the top toward the edge and are perpendicular thereto.

Adjacent each corner of the top 10 is a biased arranged slot 16. The length and widths of these slots and the length of all of the aforesaid slots are adequate for the purposes hereinafter described and are adapted to slidably receive certain projecting portions which project therethrough and terminate in a common plane above the plane of the top 10 of said cover when mounted on the box bottom. Such projecting portions serve as spacing means for spacing a superposed box from the cover provided box therebeneath and permit ventilation of the interior of the lower supporting box through cover apertures, not shown herein.

Reference now will be had to Figs. 1 and 3. In the latter figure the numeral 17 indicates a body portion, 18 a pair of end walls integral therewith and extending upwardly at right angles thereto. The numeral 19 indicates similarly formed and positioned side walls. Herein the end walls include extensions 20 which are positioned at right angles to the supporting end wall and parallel and herein interiorly positioned relative to the adjacent side walls. The portions 20 and the side wall are suitably secured together as indicated at 21 in Fig. 1. This forms a conventional box body arrangement.

In the present invention, however, the portion 20 includes an extension 22 which is integral with the portion 20 and is directed angularly thereto, to the side wall and to the end wall. The end wall is slotted as at 23 and projecting from the edge 24 of the portion 22 contacting the inside of the end wall 18 is a tongue 25 which may be headed or T-shaped, as it were, to yieldingly lock portion 22 to the end wall when the projecting tongue is inserted in the slot 23. The resultant construction is a triangular reenforcement, as it were, at each corner of the box and it prevents the chicks from crowding into said corner and in effect constitutes a rather rough approximation, as it were, of a circular interior type container. Extension 22 forms a truss arrangement.

Each portion 22 intermediate the ends and at its upper edge is provided with an upwardly directed projection 26, the same providing an upper edge 27 and having inwardly tapering side edges 28 to facilitate passage through the slot 16 of

the cover when the cover is telescoped upon the side walls of the box body. All four corner cover exposed projections thus extend across the corners, as it were, and the slotting therefor does not appreciably weaken the cover body itself because so closely positioned relative to the corner of the cover. These four corner projections 26 all have coplaner upper edges 27.

As herein illustrated also, the projection 26 is not coextensive with the width of the portion 22, thereby providing adjacent each side or end wall as the case may be, a ledge portion 29 which also serves as a cover body support in addition to the top edge of the portion 20.

While the invention has been illustrated and described in great detail in the drawing and foregoing description, the same is to be considered as illustrative and not restrictive in character.

The several modifications which will readily suggest themselves to persons skilled in this art, all are considered to be within the broad scope of the invention, reference being had to the appended claim.

The invention claimed is:

A covered, stickless chick box structure including separable box and cover structures, the cover structure including a top forming body portion and a peripheral depending rim thereabout and depending therefrom, said top forming portion including an elongated slot immediately adjacent each corner thereof and biased to adjacent side edges thereof and extending across the corner, said box structure including a bottom portion and wall portions each integral with the bottom and each positioned transverse thereto and to the adjacent wall portions, the cover structure when seated having the rim peripherally enveloping the upper portions of the wall portions, flap extensions on side edges of certain wall portions being arranged for positioning parallel to and anchorage to the adjacent wall portion, an extension on the free end of each of said flaps and extending angularly thereof and the supporting wall portion, the free end of the extension having interlocking association with the flap supporting extension supporting wall portion, each extension forming a corner block to prevent chick corner huddling, there being a block at each corner, and each extension having an upwardly directed portion projecting above the top level of the wall portions and extending through the registering cover slot when the cover is seated on the wall portions.

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