G. A. CIBULKA.

COLLAPSIBLE BOX.

APPLICATION FILED JUNE 27, 1919.

1,353,629. Patented Sept. 21, 1920.

Fig. 1.

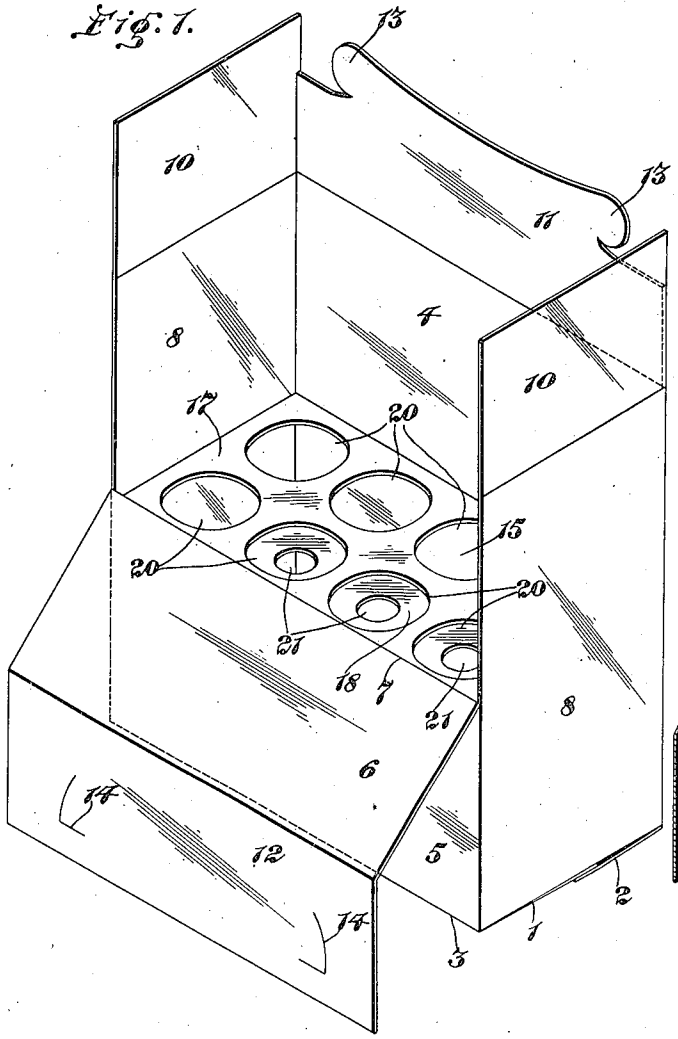



Fig. 2.

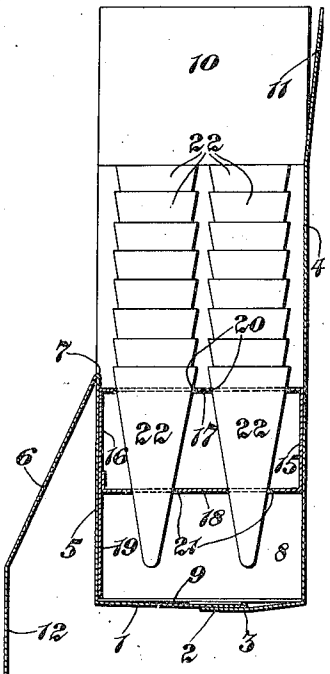
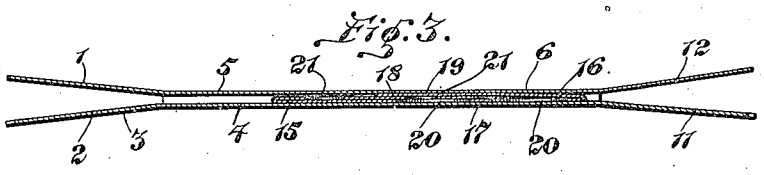



Fig. 3.




Attest.

Charles A. Becker.

Inventor:

George A. Cibulka,

by Rippey & Kingsland,

His Attorneys.

# UNITED STATES PATENT OFFICE.

GEORGE A. CIBULKA, OF ST. LOUIS, MISSOURI.

## COLLAPSIBLE BOX.

1,353,629. Specification of Letters Patent. Patented Sept. 21, 1920.

Application filed June 27, 1919. Serial No. 307,112.

*To all whom it may concern:*

Be it known that I, GEORGE A. CIBULKA, a citizen of the United States, residing at the city of St. Louis and State of Missouri, have invented a new and useful Collapsible Box, of which the following is a specification.

This invention relates to improvements in collapsible boxes, and consists in the novel construction hereinafter described.

An object of the invention is to provide a collapsible box for packing ice cream cones, and other similar articles.

Additional objects will appear from the following detailed description in connection with the accompanying drawing, in which—

Figure 1 is a perspective view of a box embodying my invention.

Fig. 2 is a cross section taken through the box.

Fig. 3 is a horizontal section through the box in collapsed condition.

The walls of the box are formed from a card board blank the bottom wall comprising a folded-under flap 1 and an overlapping flap 2, the flaps being joined together by a tongue and slot connection 3. The blank is scored at the angles of the box and folded upwardly to form the box wall 4 and the front wall which is made in two sections 5 and 6 respectively, a score line 7 being provided in the front wall so that the wall may be folded back as appears in Figs. 1 and 2, so that access may be gained to the inner part of the box through the space above the outwardly folded section.

The end walls 8 are formed in continuation of the side walls, vertical score lines being provided to form the side angles of the box.

At the base and top of the side walls are extending sections 9 and 10 which fold inwardly beneath the sections of the bottom and top walls respectively. The back wall is extended forming a section 11 which is separated from the upper edge of the back wall 4 by a score line, and the front wall is extended upwardly providing a section 12 divided from the upper edge of the front wall by a score line. The sections 11 and 12 fold over and interlock by tongue and slot connections 13 and 14.

A support is formed within the box, said support comprising a rectangular blank folded to form a back wall 15, a front wall 16, top wall 17 and a bottom wall 18, the angles of the support being scored so that the support may be collapsed against the back wall of the box when the box is in folded condition. The back wall 15 of the support is adhesively secured to the inner surface of the back wall at a point sufficient to bring the level of the top wall 17 of the support, when the box is in extended position, at about a line midway of the height of the box. The front wall 16 has an extension 19 which is long enough to rest on the bottom wall of the box when the box is extended and to constitute means for supporting the front end of the support. The top wall 17 of the support is provided with suitable spaced openings 20 and the bottom wall 18 of the support is provided with suitably spaced openings 21 of smaller diameter so that when the articles, for instance ice cream cones 22, are stacked and placed within the openings they will be held in vertical position.

The position of the parts when the box is folded or collapsed is clearly shown in Fig. 3. As previously stated, the supporting walls 17 and 18 are secured to the back wall 4 of the box, and the forward edges of said walls 17 and 18, as shown, are in connection with the front wall member 16 of the support which is provided with an extension 19. The wall 16 and the extension 19 thereof are separate or detached from the front wall 5 of the box. This permits the support comprising the walls 17 and 18 and the part 16—19 thereof to be folded upwardly to flat position against the back wall 4 of the box, leaving the side and front walls of the box free to fold flat in a lateral direction, which arrangement is shown in Fig. 3.

A box of the construction described may be very economically manufactured and when collapsed may be folded into a small compact space. When extended, the box may be readily adjusted for the reception of the articles to be packed, and the articles conveniently packed therein for shipment. When it is desired to secure access to the articles packed in the box the front wall is turned outwardly at approximately a median line of the height of the box.

I am aware that the construction may be modified in details without departing from the spirit and scope of the invention. I do

not limit myself therefore to exact features shown and described, but what I claim and desire to secure by Letters Patent, is:—

1. A box of the character described, comprising pivotally united back and end walls extending the full height of the box; a bottom wall closing the bottom of the box; a front wall portion pivotally united with the end walls and the bottom wall and extending a distance above the bottom wall and terminating relatively a considerable distance below the upper edges of the back and end walls; a front wall portion pivotally connected with the first-named front wall portion and having its ends free from said end walls, and being foldable upwardly into contact with said end walls to close the front of the box and being foldable downwardly away from the end walls of the box to open the box; a section in pivotal connection with the upper edge of said pivoted front wall portion arranged to fold over across the upper side of the box; a section in permanent pivoted connection with the back wall of the box foldable upon said first-named section; means for interlocking said two sections to hold them permanently across the upper end of the box; a number of perforated supports in the box pivoted to one of said walls and being detached from the other walls, adapted to fold flat against the wall to which they are pivoted to permit the box to be folded flat, and the upper one of said supports being adjacent to the upper edge of the first-named front wall portion; and a support in connection with the detached edges of said perforated supports adjacent to the opposite wall of the box and resting upon the bottom wall for sustaining said supports when the box is in use.

2. A box of the character described, comprising a back wall and end walls extending the full height of the box; a bottom wall closing the bottom of the box; a front wall portion permanently united with the end walls and the bottom wall and extending a distance above the bottom wall and terminating relatively a considerable distance below the upper edges of the back wall and the end walls; a front wall portion pivotally connected with the first-named front wall portion and having its ends free from the end walls of the box, and being foldable upwardly into contact with the end walls of the box to close the front of the box and being foldable downwardly away from the end walls of the box to open the box; a section in pivotal connection with the upper edge of said pivoted front wall portion arranged to fold over across the upper side of the box; a section in permanent pivoted connection with the back wall of the box foldable upon said first-named section; means for interlocking said two sections to hold them permanently across the upper end of the box; a number of perforated supports arranged one above the other and having their rear edges pivoted to the back wall and being detached from the other walls to permit the box to be folded flat, the upper one of said supports being a slight distance below the upper edge of the first-named front wall portion; and a support in connection with the front edges of said perforated supports extending to and resting upon the bottom wall of the box and being disconnected from the box walls.

3. A collapsible box, comprising pivotally united back and end walls extending the full height of the box and being foldable along their lines of union to flat position relative to each other; a front wall lower portion permanently united with the end walls and terminating relatively a considerable distance below the upper edges of the back and end walls and being foldable along the lines of union with the end walls to flat position against the back and end walls; a front wall upper portion pivotally connected with the front wall portion and having its ends free from said end walls and being foldable upwardly into contact with the end walls to close the front of the box and being foldable downwardly away from the end walls to open the box; a support pivotally united with the back wall and being detached from the other walls and terminating adjacent to the front wall lower portion and being foldable flat against the back wall to permit the box to be folded flat by folding said walls as aforesaid and having openings therein to receive the articles to be supported; and a part in connection with the front edge of said support and braced by the front wall for supporting the front edge thereof when the box is in use.

GEORGE A. CIBULKA.