Dec. 29, 1942. C. A. STAPLETON 2,306,915

EGG CARTON OR CONTAINER

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Fig. 1.

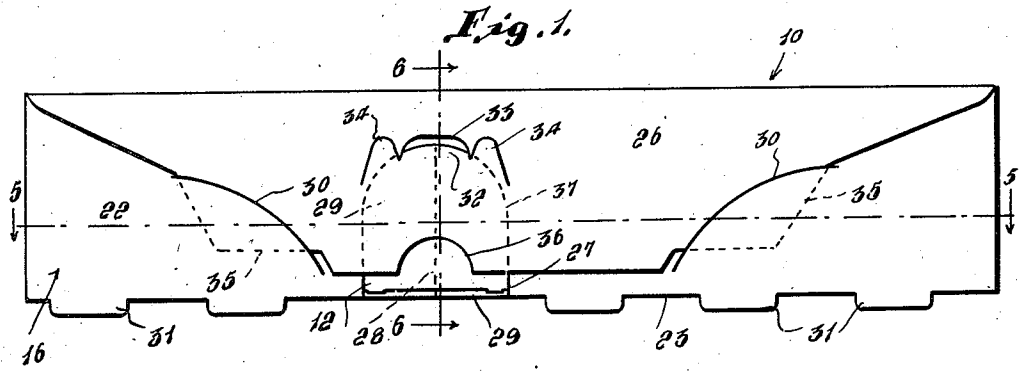



Fig. 2.

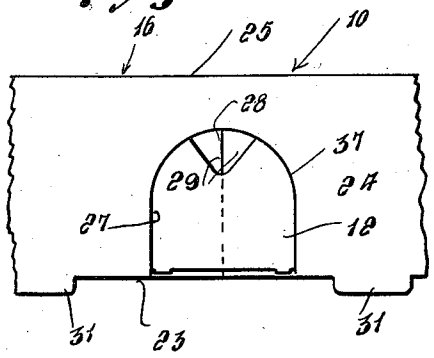



Fig. 3.

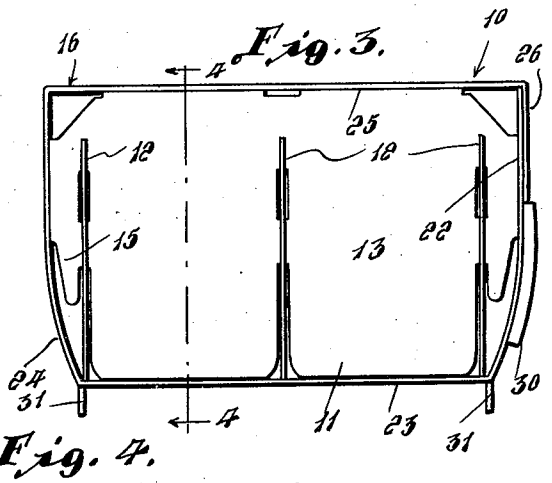
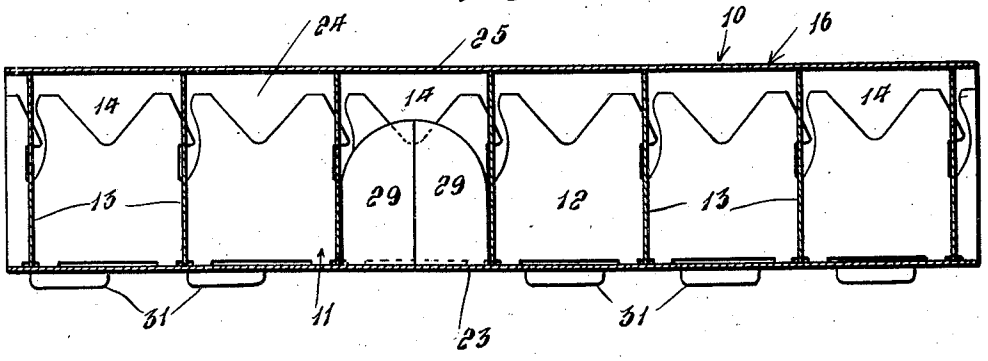



Fig. 4.




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Fig. 5.

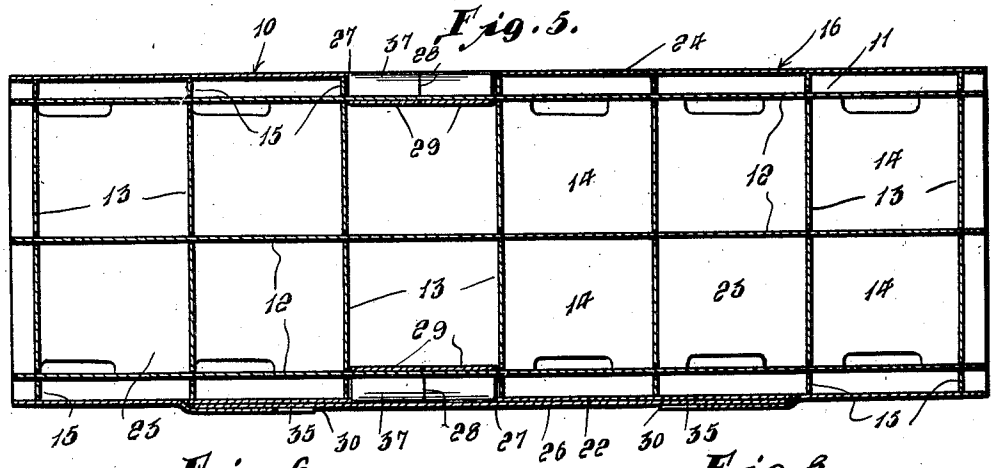



Fig. 6.

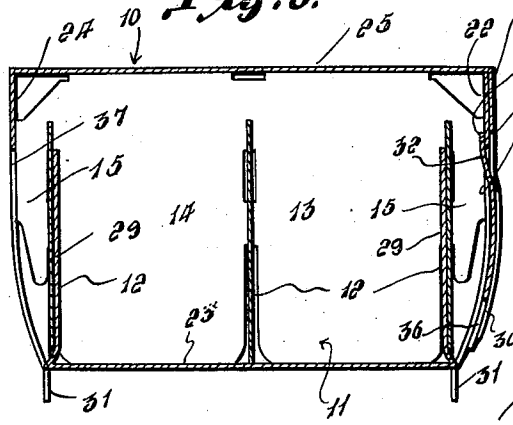



Fig. 6.

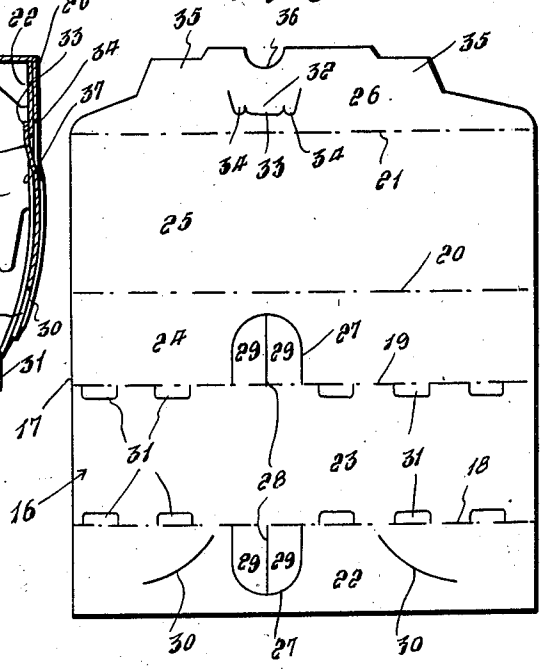
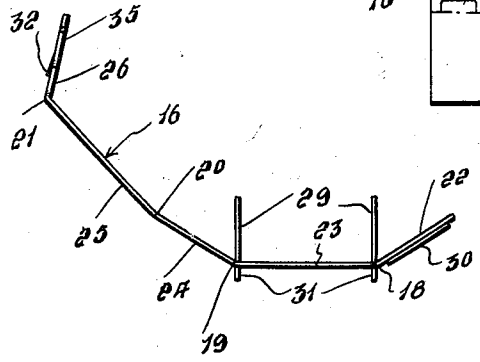



Fig. 7.




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# UNITED STATES PATENT OFFICE

2,306,915

## EGG CARTON OR CONTAINER

Charles A. Stapleton, Omak, Wash.

Application June 20, 1940, Serial No. 341,548

2 Claims. (Cl. 229—29)

This invention relates to an improved construction of egg cartons or containers and more particularly to an improved closing member or wrapper adapted to be attached to an egg carton filler for enclosing its top, bottom and side walls to thereby combine therewith to form a container and filler.

More particularly, it is an aim of this invention to provide a wrapper formed from a blank and adapted to be readily applied to or removed from a filler for egg cartons to replace the complicated cartons or containers now in use and to provide in lieu thereof a wrapper of simplified construction which can be economically manufactured and sold, which may be applied to various types of egg carton fillers now in use.

Still a further aim of the invention is to provide a wrapper which may be readily attached to an egg carton filler and fitted to engage snugly therearound to cooperate with the filler to prevent movement of the eggs contained therein and to thereby minimize the possibility of breakage.

Other objects and advantages of the invention will hereinafter become more fully apparent from the following description of the drawings, which illustrate a preferred embodiment thereof, and wherein;

Figure 1 is a side elevational view showing the egg carton or container assembled,

Figure 2 is a fragmentary side elevational view similar to Figure 1 showing the flap or cover folded back to an open position,

Figure 3 is an end view in elevation of the container or carton,

Figure 4 is a longitudinal vertical sectional view taken substantially along the plane of the line 4—4 of Figure 3,

Figure 5 is a longitudinal horizontal sectional view taken substantially along the plane of the line 5—5 of Figure 1,

Figure 6 is a transverse vertical sectional view taken substantially along the plane of the line 6—6 of Figure 1,

Figure 7 is an end view in elevation showing the wrapper detached from the filler, and

Figure 8 is a plan view of the blank cut to form the wrapper.

Referring more particularly to the drawings, wherein like reference characters designate like or corresponding parts throughout the different views, 10 designates generally a container or carton for eggs including a conventional filler 11 formed of longitudinal and transverse walls 12 and 13, respectively, which combine to form two rows of egg receiving cells 14. As best seen in Figures 3, 5 and 6, the transverse walls 13 extend beyond the outer longitudinal walls 12 to form cushioning elements 15. The wrapper, designated generally 16, and comprising the invention is formed from an elongated blank 17 having the transverse fold lines 18, 19, 20 and 21 dividing the blank 17 into portions forming a side wall 22, a bottom 23, a side wall 24, top or cover 25, and flap 26. The side walls 22 and 24 are cut along the corresponding U-shaped lines 27 and along the straight lines 28 to form the struckout tongues 29 which are connected to the bottom 23 along the fold lines 18 and 19. The side wall 22, on each side of the tongues 29, is provided with an arcuately shaped slit 30.

The bottom 23 is provided with a plurality of struckout portions 31 along each of its longitudinal edges which are attached to the blank 17 along the fold lines 18 and 19 and which are adapted to be folded downwardly to form supporting legs for the container or carton 10, as seen in Figures 6 and 7.

The flap 26 is provided with a struck out tab 32, the free end of which extends toward the fold lines 21 and which free end includes an intermediate portion 33 and end portions 34. The flap 26 is also provided with the tapered extensions 35 and with a recess portion 36 in its free edge and substantially in alinement with the tab 32.

To apply the wrapper 16 to the filler 11, the legs 31 are first bent downwardly, as illustrated in Figure 7, after which the tongues 29 are bent upwardly. The filler 11 is then positioned on the bottom 23 with the curved tongues 29 extending into two of the laterally alined cells 14 and disposed in frictional engagement with the inner sides of the outer longitudinal walls 12, as best seen in Figure 5, to thereby frictionally connect the wrapper 16 to the filler 11. The wrapper 16 is is then folded along the lines 18, 19 and 20 so that the sides 22 and 24 thereof will engage the sides of the filler 11 and the cover or lid will be disposed over the open top of the filler. The cushion members 15 engage against the sides 22 and 24 to press them outwardly relatively to the outer longitudinal walls 12 to prevent said walls from being distorted. The tongues 29, when positioned as seen in Figure 7, form openings 37 in the sides 22 and 24, as best seen in Figure 6. The flap 26 is folded along the line 21 downwardly and over the upper portion of the wall 22 and its tab 32 is pressed inwardly to cause the intermediate portion 33 thereof to extend through the opening 37 of the wall 22 for engaging the inner side of the

wall above the upper end of the opening 37, as best seen in Figure 6. The end portions 34 are adapted to be positioned on the outer side of the wall 22, as best seen in Figure 1. The extensions 35 project through the slots 30 and engage the inner side of the side wall 22 for holding down the ends of the flap 26.

The wrapper 16, thus applied, forms with the filler 11 the container or carton 10, which is divided by the filler 11 into a plurality of cells 14 for holding eggs, not shown. The bottom 23 of the wrapper 16 forms a bottom for the lower end of the filler 11, while the cover 25 forms a top for the open upper end of the filler. The end transverse walls 13, of the filler 11, form the end walls of the container or carton 10. The wrapper 16 fits snugly around the filler 11 to snugly retain the filler therein in a manner so that the eggs contained in the cells 14 will be yieldably and snugly held and protected against breakage. The carton 10 may be readily opened for removing the eggs by detaching the tabs 32 and the extensions 35 from the side wall 22 to permit the cover portion 25 to be opened and the wrapper 16 will be held applied to the filler 11 while thus opened by the tongues 29.

Various modifications and changes are contemplated and may obviously be resorted to as only a preferred embodiment of the invention has been disclosed.

I claim as my invention:

1. An egg carton comprising in combination with a filler having a plurality of cells for containing eggs, a wrapper comprising an elongated blank having a plurality of transverse fold lines along which said blank is folded for wrapping it around the filler to provide a top, a bottom and side walls, said side walls having struck-out tabs foldable along the fold lines of their bottom edges and extending into certain of the cells of the filler for frictionally engaging portions of certain of the walls thereof for attaching the wrapper to the filler, said tabs forming openings in the side walls, and the top wall of said wrapper being provided with a flap at its free end having a struck-out tongue for engaging the opening in the side wall, of the opposite end of the blank for retaining the cover in a closed position, the free end of said tongue being disposed adjacent to the top wall and its secured end being remote to the top wall.

2. In combination with a filler having a plurality of egg receiving cells arranged in longitudinal rows, a wrapper formed from a blank having spaced transversely disposed lines dividing the blank into a top, a bottom, side walls, and a flap, said side walls having struck-out tongues foldable along the fold lines of their bottom edges and disposed in certain of the cells for frictionally engaging the outer walls thereof, for detachably connecting the bottom of the wrapper to the filler, said flap being attached to the top portion of the wrapper and disposed at the opposite end of the blank, said flap having a struck-out tab, said tab having an upper, free end provided with an intermediate portion extending through said opening of the aforementioned side wall for engaging the inner side of the upper portion of said wall, and end portions engaging the outer side of said side wall to limit the extent of movement of the tab into said opening, said tab and opening connecting the ends of the wrapper for retaining the top and side walls thereof in closed positions relatively to the filler.

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