

March 6, 1928.

G. L. BEOUGHER

1,661,161

FOLDING EGG CASE

Filed March 12, 1926

2 Sheets-Sheet 1

Fig. 1.

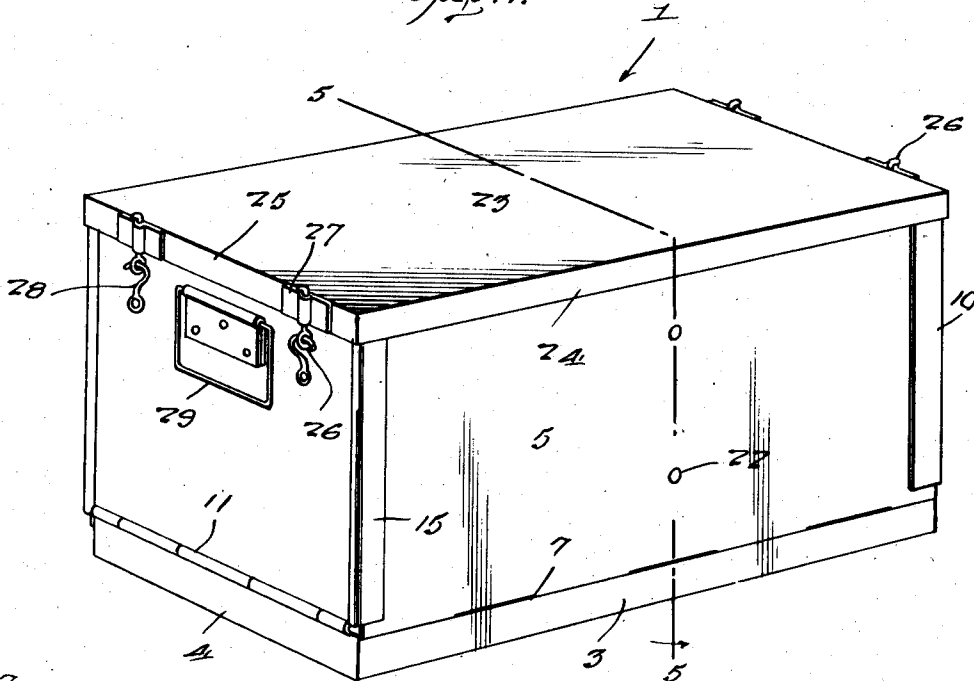


Fig. 2.

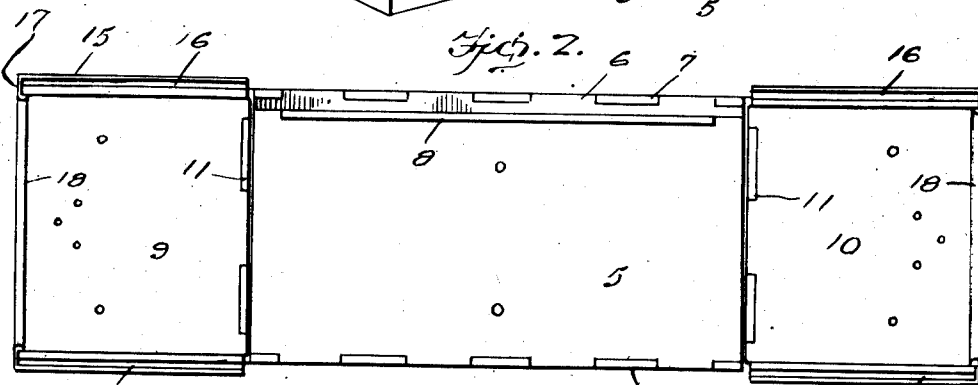
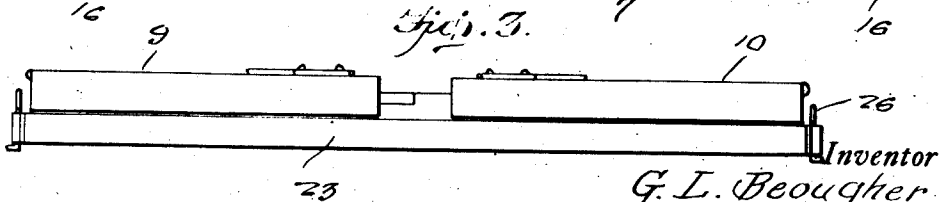


Fig. 3.



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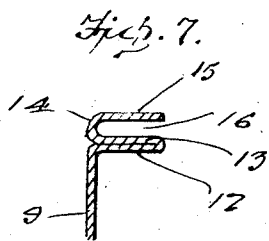
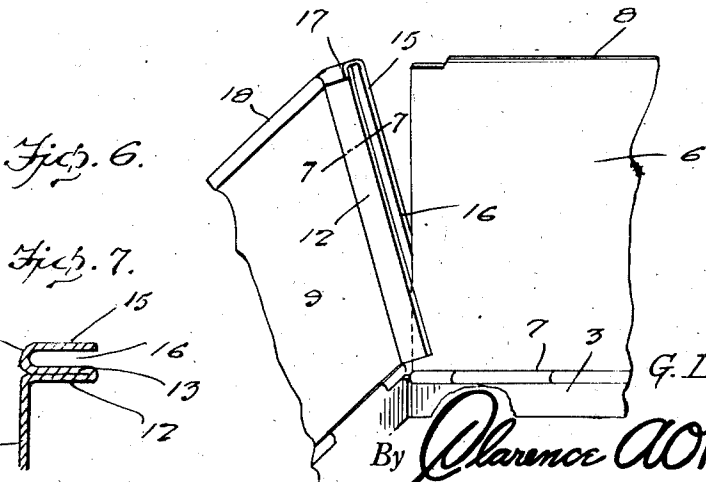
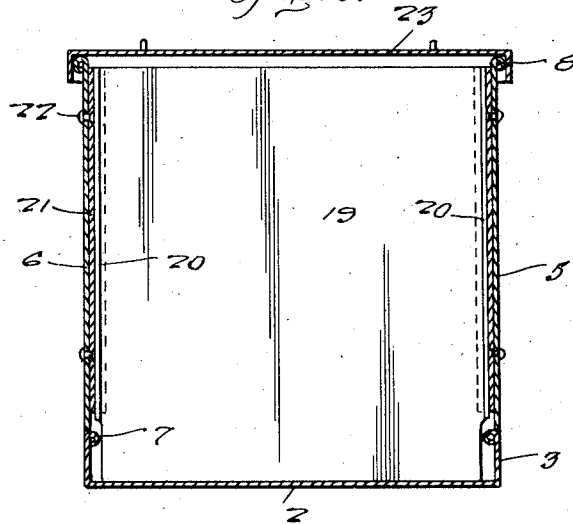
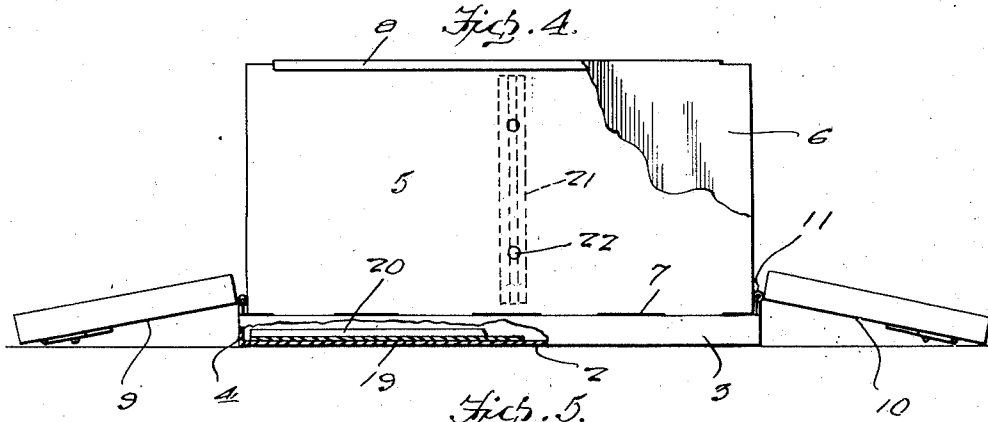
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2 Sheets-Sheet 2



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FOLDING EGG CASE.

Application filed March 12, 1926. Serial No. 94,234.

The present invention relates to improvements in metallic receptacles and is more particularly adapted to an egg case which may be readily and easily folded when not in use so as to occupy a minimum amount of space and to further facilitate the easy handling of the same.

One of the important objects of the present invention is to provide a folding egg case which may be readily and easily assembled or disassembled without the loss of any considerable length of time or labor, means being provided for holding the hinged side walls and the hinged end walls in their vertical position against accidental collapsing when the egg case is in use.

A still further object is to provide a folding egg case wherein the bottom is of such construction as to provide a means for receiving and housing the usual egg fillers and the excelsior packing material which is provided for the egg case.

A still further object is to provide a folding egg case of the above mentioned character which is simple in construction, inexpensive, strong, and durable and further well adapted to the purpose for which it is designed.

Other objects and advantages of the invention will become apparent during the course of the following description taken in connection with the accompanying drawing.

In the accompanying drawings forming a part of this application and in which like numerals designate like parts throughout the several views:

Figure 1 is a perspective view of the egg case embodying my invention showing the same in its assembled position and ready for shipment.

Figure 2 is a top plan view, the hinged side walls being shown in their infolded position, the hinged end walls being shown in their outwardly swung position.

Figure 3 is a side elevation showing the egg case in its folded position.

Figure 4 is a side elevation showing the side walls in their vertical position and the end walls in their outwardly swung position.

Figure 5 is a sectional view taken approx-

imately on line 5—5 of Figure 1 showing the central vertical partition and the manner in which the same is supported between the side walls.

Figure 6 is a fragmentary detail showing the channel formed at the side edge of one of the end walls, and the manner in which the same cooperates with the end of the adjacent side wall, and

Figure 7 is a transverse section taken approximately on line 7—7 of Figure 6.

In the drawings wherein for the purpose of illustration is shown the preferred embodiment of my invention, the numeral 1 designates generally my improved folding egg case, the same comprising the sheet metal bottom 2, the same being provided with side and end flanges 3 and 4 respectively, the same being disposed upwardly in the manner clearly shown in the drawings. The sheet metal side walls 5 and 6 respectively are hingedly secured at their lower edges to the upper edges of the respective upstanding side flanges 3, as at 7, and as is clearly illustrated in Figure 2 of the drawings, the side walls are adapted to swing inwardly so as to be disposed between the side flanges 3 of the bottom 2 when in their folded position.

The upper edge of each of the side walls is rolled as is indicated at 8 and the ends of the rolled portion terminate at points adjacent the respective ends of each of the side walls in the manner clearly shown in Figure 4.

The egg case further includes the end walls 9 and 10 respectively which are also formed of sheet metal, the same being hingedly secured at their lower edges to the upper edges of the respective end flanges 4 as at 11.

Each of the end walls 9 and 10 has its respective side edge portions disposed inwardly as at 12 and thence outwardly as at 13, the outwardly disposed portion 13 being arranged in abutting relation with respect to the inwardly disposed portion 12. The outwardly disposed portions 13 are then bent as at 14 and thence disposed inwardly as at 15 so as to form the vertical channels 16 in the manner clearly shown in Figures 6

and 7 of the drawings. The upper end of the inwardly disposed portion 15 is bent over the upper edge of the abutting portions 12 and 13 as illustrated at 17. The upper edge of each of the end walls between the vertical channels formed at the respective sides thereof is rolled as illustrated at 18.

Also forming a part of the present invention is the partition plate 19, the same being adapted to be disposed in a vertical position between the side walls 5 and 6 intermediate the ends of the casing to provide a pair of egg receiving compartments. This partition plate 19 has its side edges bent laterally as indicated at 20 and these laterally extending flanges extend from the upper edge of the plate 19 to a point adjacent the lower end thereof as is clearly shown in Figure 5. The flanged portions 20 are adapted to be slidably disposed within the channeled guides 21, the latter being secured on the inner face of each of the side walls by any appropriate fastening means such as is shown at 22. These channeled guides extend from the upper portion of each of the side walls and terminate at a point adjacent the hinged lower edges thereof in the manner also clearly shown in Fig. 5. The lower edge of the partition plate 19 will engage the bottom 2 when the partition plate is in an operative position, it being understood of course that the upper edge of the plate may be rolled to facilitate the easy handling thereof. When the partition plate is not in use, the same is adapted to lie flat within the bottom 2 in the manner clearly shown in Figure 4 of the drawings.

The egg case embodying my invention further includes the removable cover or top 23, the same being provided with the downturned flanges 24 and 25 at its sides and ends respectively. This cover is also formed of sheet metal material and when the case is in its folded or collapsed position, the cover 1 is fitted on the bottom 2 in the manner clearly shown in Figure 3 of the drawing.

For the purpose of securing the cover in a locked position over the open top of the case, I provide a pair of eye members 26 which are swivelly supported in suitable brackets 27 secured on each of the depending end flanges 25 and cooperating with each pair of eye members are the pivoted hooks 28 which are secured on the outer sides or faces of the respective end walls 9 and 10.

For further facilitating the easy handling of the case when the same is in its assembled position, I provide suitable handles 29 on the end walls of the case.

With the parts arranged as shown in Figure 3 of the drawing, the case is in its folded or collapsed position and therefore may be stored away in any convenient place without

occupying much space. In assembling the case, the cover 23 is removed from the bottom 2, the end walls 9 and 10 are swung upwardly and outwardly to the position shown in Figure 2, and then overlapping side walls 5 and 6 are swung upwardly to the position shown in Figure 4. The partition plate 19 is then removed from the bottom 2 and is inserted vertically between the side walls, the flanges 20 formed on the side edges of the partition plate 19 being received within the channeled guides 21.

The end walls 9 and 10 are then swung upwardly so that the end portions of the side walls 5 and 6 will be received within the respective vertical channels 16 formed at the sides of the end walls, thus providing an interlocking relation between the corners of the side walls and the end walls. The overturned upper edges 17 of the inwardly disposed portions 15 will rest on the outer upper edges of the side walls as is readily obvious from the construction shown in Figure 6.

After the side walls and the end walls have been properly assembled so that the same are disposed vertically, the usual egg fillers and excelsior padding are removed from the bottom of the case and are packed in the two compartments formed by the partition plate 19 in the usual manner in which eggs are packed in crates for shipment. After the case has been properly filled with eggs, the cover 23 is placed in position over the open top of the case, and then the hooks 28 are brought into locking engagement with the respective eye members 26 so that the cover is secured in locked position on the case and thereby prevent any possibility of the cover becoming accidentally displaced. The case of eggs may then be shipped or otherwise handled in a safe manner.

The provision of an egg case of the above mentioned character will enable the same to be readily and easily assembled or disassembled for folding the same into a compact device which may be stored away in a minimum amount of space when not in use.

By constructing the folding egg case of sheet metal material, the same is rendered strong and durable, and further acts as a protector for the eggs which are being shipped.

While I have shown the preferred embodiment of my invention it is to be understood that minor changes in the size, shape, and arrangement of parts may be resorted to without departing from the spirit of the invention and the scope of the appended claim.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent is:—

A folding egg case comprising a bottom, side walls hinged at their lower edges to the respective sides of the bottom, end walls

hinged at their lower edges to the respective ends of the bottom, the sides of each end member having inwardly directed flanges merging into U-channel bars having their 5 bights disposed outwardly and their sides in parallelism with the flanges, one of said sides of the U-channel bars abutting the respective flange, said channel bars being adapted to receive the ends of the respective side walls whereby the side walls and the 10 end walls are locked in vertical box forming relation.

In testimony whereof I affix my signature.
GAEL L. BEOUGHER.