Sept. 7, 1937. H. BERGLUND 2,092,148

EGG CARTON

Filed April 30, 1934 2 Sheets-Sheet 1

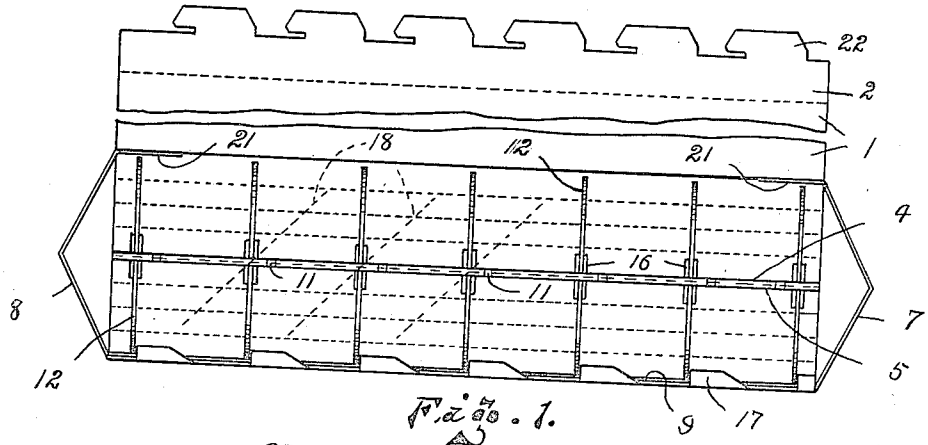


Fig. 1.

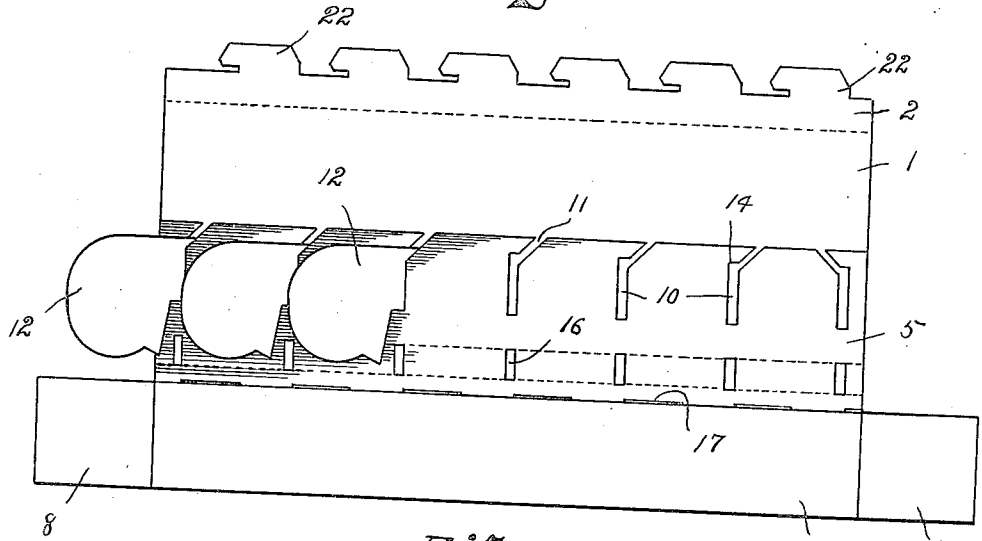


Fig. 2.

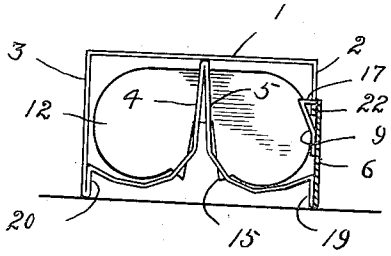


Fig. 3.

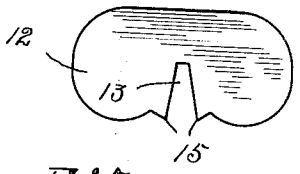


Fig. 4.

INVENTOR.

BY Herman Berglund.

Geo. Stevens.

ATTORNEY.

Sept. 7, 1937.

H. BERGLUND

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2 Sheets-Sheet 2

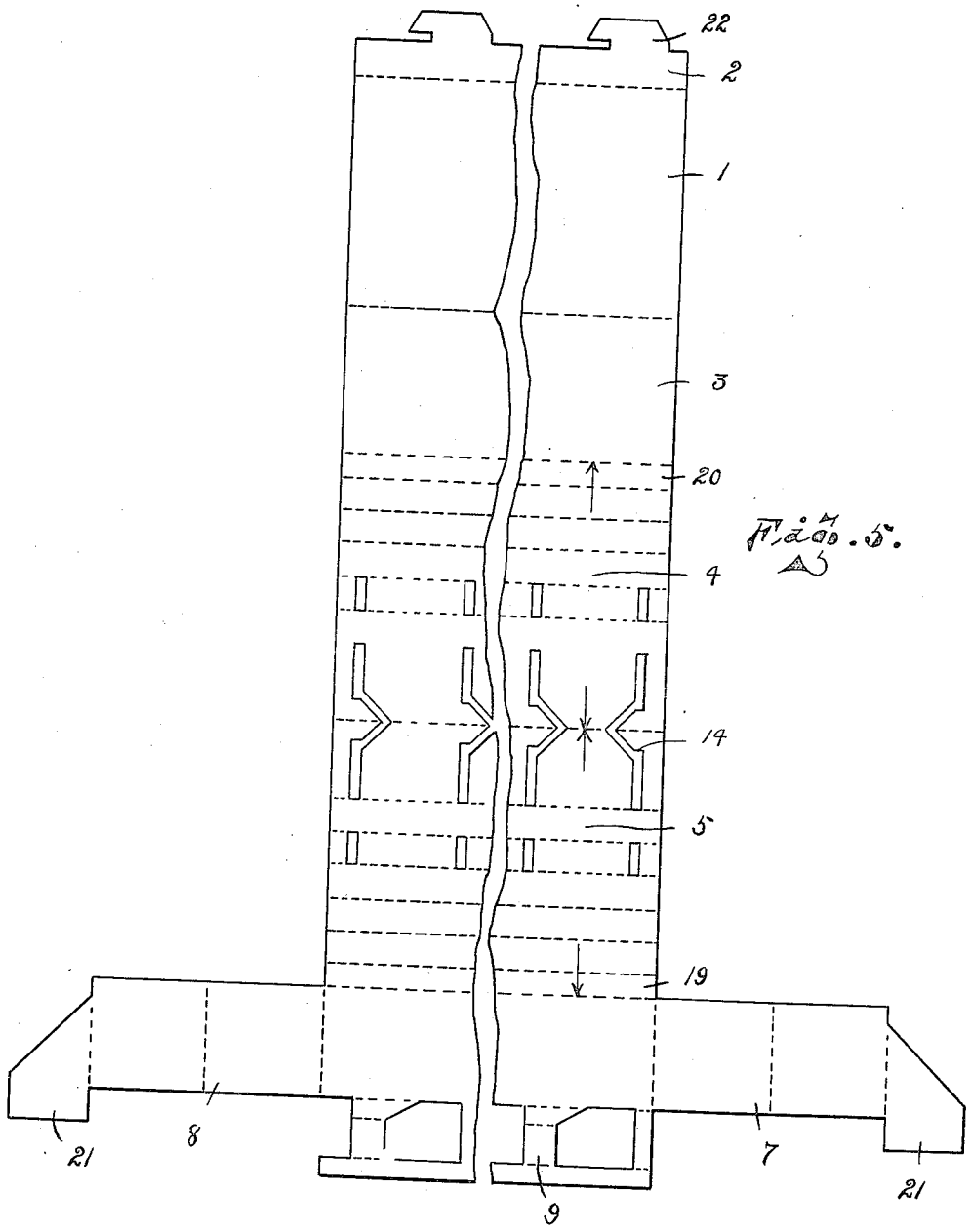


Fig. 5.

INVENTOR.

BY Herman Berglund.

Geo. Stevens.

ATTORNEY.

Patented Sept. 7, 1937 2,092,148

UNITED STATES PATENT OFFICE

2,092,148

EGG CARTON

Herman Berglund, Duluth, Minn.

Application April 30, 1934, Serial No. 723,202

3 Claims. (Cl. 229—29)

This invention relates to paper cartons for the conveyance of eggs and has for its principal object the provision of a more practical, simple and safe device of this character.

Another object is to provide such a device which may be readily folded to a substantially flat position when fully assembled.

Still other objects and advantages of the invention will appear in the following description thereof.

Referring now to the accompanying drawings, forming part of this application, and wherein like reference characters indicate like parts:

Figure 1 is a top view showing the interior thereof in plan view and the cover in extended position, partly broken away, the body portion not being quite fully extended.

Figure 2 is a plan view of the fully assembled carton in its flattened position, with, however, but three of the transverse division walls shown in their normal assembled position.

Figure 3 is an end view of a carton fully assembled, extended, and closed, with, however, the end thereof removed.

Figure 4 is an elevation of one of the transverse division walls.

Figure 5 is a transversely contracted and broken view of the blank for such an egg carton.

Referring now to Figure 5 which is the plan view of the blank and of suitable paper for the purpose, all lines or creases where folds occur are illustrated in dotted lines, and the space indicated at 1 represents the cover, while that at 2 is the locking edge of the cover forming the upper portion of the front wall of the receptacle. 3 represents the back wall of the carton or receptacle and 4 and 5 the two portions of the central division wall and false bottom thereof. 6 represents the front wall, 7 and 8 the end walls, and 9 the wall forming the cover catches 17 for cooperation with the cover dog-like members 22.

It is to be noted that the portions 4 and 5 are of multi-faced construction, and assume, when the carton is fully assembled and extended, an arcuate form, as clearly shown in Figure 3 of the drawings, upon either side of the central double wall, providing arcuate bottoms for each of the egg compartments. These bottoms are normally spaced considerably above a plane with the bottom edges of the carton so as to provide resilient support for the eggs and insure that they are free from sudden contact with a surface upon which the carton may be placed or accidentally dropped.

The adjacent portions of the divisions 4 and 5, which form the central division wall and assume an upright position in the carton when assembled, are provided with equally spaced registering slots 10, each pair of which terminates in an upwardly inclined slot 11, into which is designed to be placed the slotted transverse division walls 12. These walls 12 are also of paper of proper strength and provided with central slots 13 which readily straddle the bottom of the slots 10 when in position while their upper horizontal edges drop into suitable notches 14 in the inclined slots 11 at the upper termini of the slots 10. The lower extremities of the slots 13 in each transverse division wall are of odontoidal construction, forming tooth-like projections 15, which, when each wall is in its position within the carton, protrude through the slots 16 in the arcuate portions of the division walls 4 and 5, thus tending to hold the transverse walls in proper right angular position in the carton, the same being clearly seen in Figure 3 of the drawings. Thus it is readily seen that the transverse walls 12 are quite securely braced in their right angular position in respect to the carton and each being thus held against pivotal motion in one direction by the inwardly projecting catches 17 which are formed on the front extremity of the blank, they being bent at right angles to the wall 6, turned inwardly, and thence downwardly and inwardly towards the inner face of the wall 6 where the strip carrying such catches are glued, thus forming right angular abutments for the transverse division walls as clearly seen in Figure 1. However these transverse walls are readily swingable to a position shown in dotted lines at 18 in Figure 1, and, if still further swung in this manner when it is desired to contract the carton to its flat folded position as shown in Figure 2 of the drawings, these transverse walls will assume overlapping relation and readily permit of such folding of the carton. This flat folding or contracted position of the completely assembled carton is accomplished by the end members 7 and 8 being foldable centrally, they, of course, being creased for that purpose, when the division walls 18 may be swung as previously described for such folding. It is a fact worthy of note that when the two end walls, thus folded, are pressed inwardly towards each other by for example the two hands of an operator the division walls 12 will automatically assume a very near approach to that ultimately desired transverse position in the carton, ready at least for convenient reception of the eggs to be placed within the carton.

It is further to be noted that the portions 19 and 20 of the carton walls are folded backwardly during the construction of same and are glued to the adjacent walls 6 and 3, respectively, and also the triangularly shaped flaps 21 upon the free extremities of the walls 7 and 8 are glued to the wall 3 when the carton is assembled; the only other place where gluing occurs being the terminal edge of the wall 9 against the wall 6 as clearly seen in Figure 3 of the drawings.

Now for cooperation with the catches 17 on the front wall 6 of the assembled carton I have illustrated a plurality of dog-like members 22, the same being readily engaged or disengaged with the side catches for holding the cover when desired in position upon the carton.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:

1. The combination with an egg carton having a front wall, cover, central division wall, and swingable transverse partitions therein, of portions of said front wall being folded inwardly against the inner face thereof forming spaced loops or cover catches, and stops against which said partitions abut when swung to active position, as the carton is set up, and dogs on the free edge of said cover for engagement with said loops or catches for holding the cover in normally closed position.

2. Means for holding closed a card-board carton comprising a cover extending from the rear wall of the carton and having hooks formed on its free edge, a co-operating extension on the front wall of the carton provided with a series of substantially rectangular cut-outs said extension being folded against the inner surface of the front wall and the lower edge of the extension being secured thereto forming a series of pockets substantially triangular in cross section to receive the hooks.

3. An egg carton composed of a single piece of paper board so shaped and creased that when folded along the creases it forms an elongated rectangular receptacle having ends, a front wall, a back wall having an integral cover extension, a bottom folded centrally upon itself to form a longitudinal partition the sides of which extend in a sweeping curve to and are integral with the front wall and the back wall respectively, an extension integral with the front wall and having a series of cut out portions near its upper edge which when folded inwardly form stops and catches, integral hooks on the free edge of the cover portion to co-operate with the catches, the central longitudinal partition having slits or kerfs, separate minor transverse partitions pivotally secured in the kerfs, the stops serving to limit the pivotal movement of the transverse partitions to approximately ninety degrees and means for uniting the end portions to complete and hold the carton in assembled condition.

HERMAN BERGLUND.