A. C. BUSSEY.

EGG FILLER.

APPLICATION FILED APR. 29, 1913.

1,146,749.

Patented July 13, 1915.

2 SHEETS—SHEET 1.

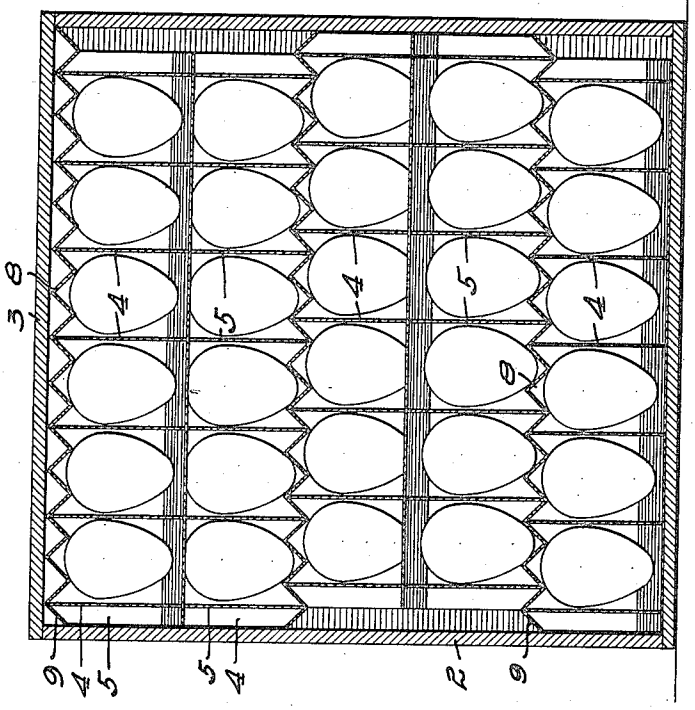


FIG. 2.

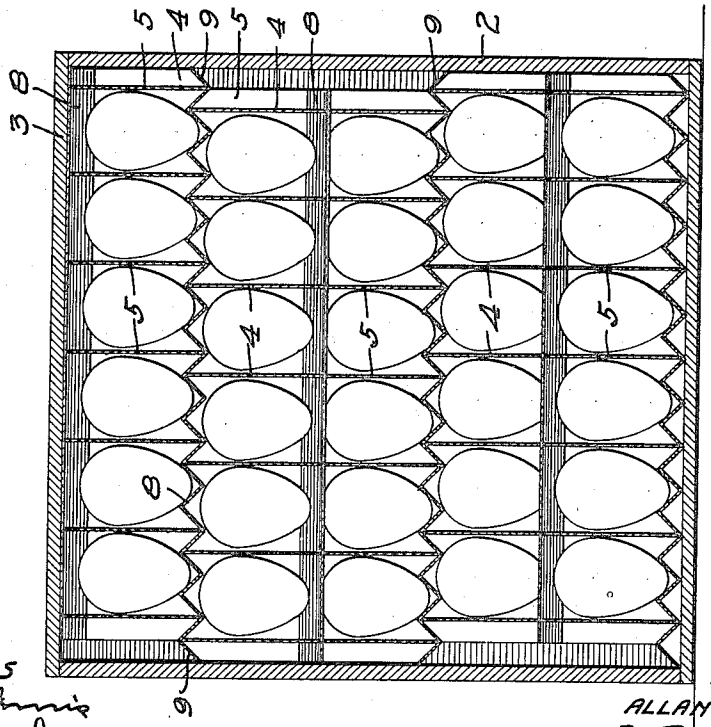


FIG. 1.

WITNESSES

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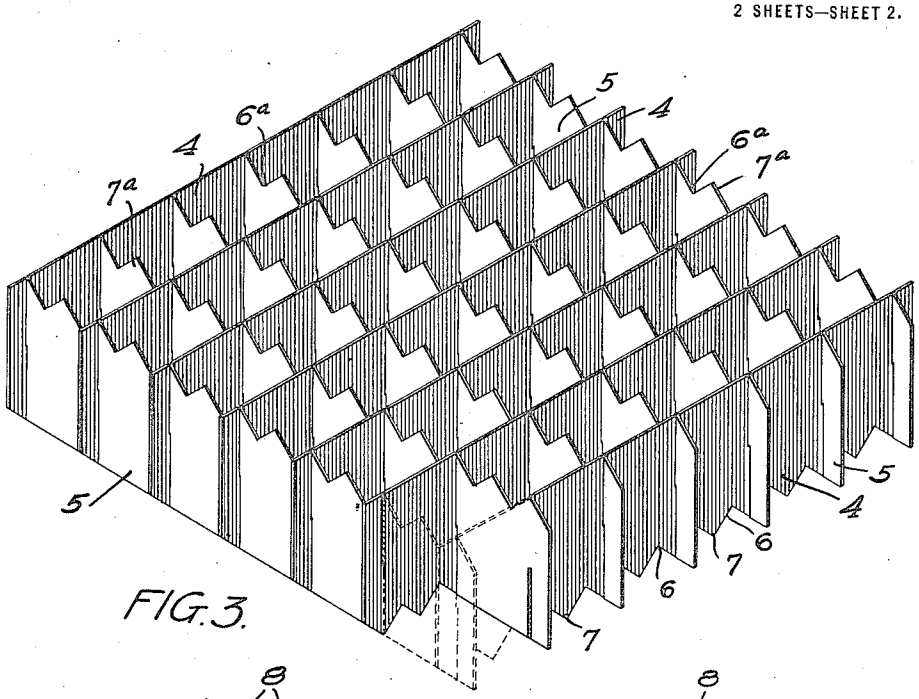


FIG. 3.

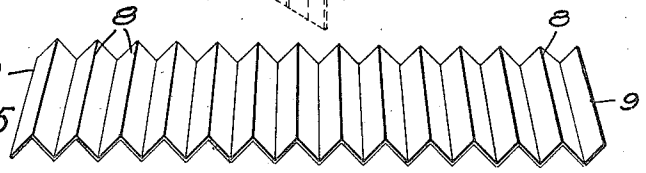


FIG. 5

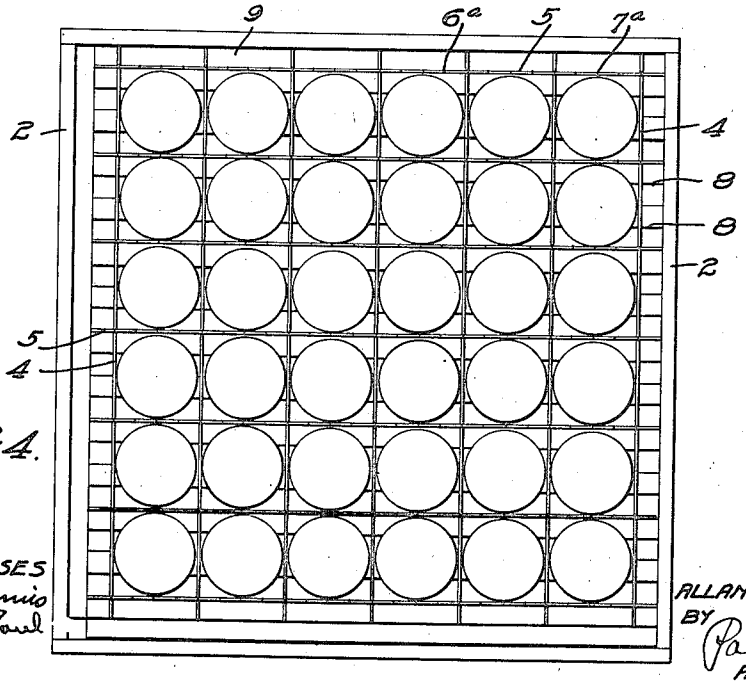


FIG. 4.

WITNESSES
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UNITED STATES PATENT OFFICE.

ALLAN C. BUSSEY, OF MINNEAPOLIS, MINNESOTA.

EGG-FILLER.

1,146,749. Specification of Letters Patent. Patented July 13, 1915.

Application filed April 29, 1913. Serial No. 764,326.

To all whom it may concern:

Be it known that I, ALLAN C. BUSSEY, a citizen of the United States, resident of Minneapolis, Hennepin county, Minnesota, have invented certain new and useful Improvements in Egg-Fillers, of which the following is a specification.

An ordinary egg filler is free to slide laterally in the egg case, though it cannot collapse, being held in a substantially rectangular form by the walls of the case, but the lateral movement is often sufficient to cause considerable breakage of the eggs.

The object, therefore, of my present invention is to provide a means in connection with an ordinary egg filler to hold it rigidly in the case against lateral movement which would usually cause breakage of the eggs.

In the accompanying drawings forming part of this specification, Figure 1 is a vertical sectional view of an egg case with my invention applied thereto, Fig. 2 is a similar view, taken on a section line at right angles substantially to the section line of Fig. 1, Fig. 3 is a perspective view, Fig. 4 is a plan view, Fig. 5 is a perspective view of the plate inserted between the sections of the filler.

In the drawing, 2 represents the case in which the filler is placed, provided with the usual cover 3.

4 and 5 represent the walls of the filler, joined together in the usual way and capable of collapsing to a flattened form, as usual in fillers of this type. In the lower edge of the plates 4 I provide V-shaped recesses or notches 6, there being preferably two notches between each pair of the plates 5, forming a central wedge-shaped point or projection 7 midway between the adjoining plates 5. The upper edges of the plates 5 are provided with similar notches 6^a, forming between them a tooth or point 7^a corresponding to the notches and points in the lower edges of the plates 4. Between these fillers I provide a corrugated plate 8 having its corrugations suitably spaced to enter the notches or recesses 6 and 6^a when the plates and the fillers are assembled. The corrugations are preferably formed by scoring the plate and then folding it along the scored lines.

At the ends of the plates flaps 9 are formed, being one-half of a corrugation, and as indicated in Fig. 1, these flaps will bear on the walls of the case and one group of filler sections will be offset from another group, as shown in Figs. 1 and 2. The lower or pointed ends of the eggs will fit into the grooves between the corrugations of the plates, as shown in Fig. 1, and their upper ends will bear on the adjacent corrugations of the plate above. This offsetting of the corrugated plates will also cause a corresponding offset in the vertical arrangement of the plates 4 and 5, the plates of two sections being in line vertically with one another while those of the two adjacent sections will be offset. The filler sections will thus be held rigidly against lateral movement and as the corrugations of a plate directly beneath a filler section and the one immediately above are at right angles to one another, it follows that the whole tier of sections will be supported rigidly and braced against lateral movement or a crushing pressure thereon. This will be due, of course, to the fact that the inclined edges of the notches 6 and 6^a bear on the correspondingly inclined surfaces of the corrugations and the sections will thereby be interlocked with one another and be securely braced and supported. This offset or staggered arrangement of the sections will space the eggs from the walls of the case, as indicated in Figs. 1 and 2, and greatly reduce, if not entirely eliminate, the breakage resulting from rough handling of the egg case.

The filler sections may be made of any suitable size and material, and the notches may be modified in form to receive the corrugations of the filler plates and in various ways the details of construction herein shown may be modified and still be within the scope of my invention.

I claim as my invention:—

1. An egg filler composed of a series of transverse and longitudinal plates intersecting one another to form a series of egg pockets, one of said series of plates having notches or recesses in their lower edges, the other series of plates having notches or recesses in their upper edges, a plate having a series of corrugations therein adapted to enter the recesses in the lower edges of said filler plates and a corresponding plate having its corrugations running at right angles substantially to those of said first named plate and fitting the notches in the other

series of plates, thereby bracing said filler plates against lateral and longitudinal movement.

2. An egg filler comprising a series of parallel plates having notches in their lower edges, there being a wedge-shaped tooth alternating with said notches, a second series of plates arranged parallel with one another and intersecting said first series of plates to form a series of egg pockets, said second series of plates having notches in their upper edges and wedge-shaped teeth alternating with said notches, the teeth of one series of plates being midway substantially between the edges of the other series of plates, corrugated plates fitting the notches in the upper and lower edges of said filler plates and having the corrugations of one plate running at right angles substantially to the corrugations of the other plate, whereby said filler plates and the pockets formed thereby will be braced and strengthened against lateral movement.

3. The combination, with an egg case, of a series of filler sections fitting therein, one above another, each section being composed of a group of parallel plates extending transversely of the section and a similar group of parallel plates extending longitudinally of the section, one of said groups of plates having notches in its lower edges and the other of said groups of plates having notches in its upper edges, corrugated division plates fitting into said notches and bracing said plates and the pockets formed thereby against lateral movement.

4. The combination, with an egg case, of a series of filler sections fitting therein, one above another, each section being composed of a group of parallel plates extending transversely of the section and a similar group of parallel plates extending longitudinally of the section, one of said groups of plates having notches only at the top of the filler and the other of said groups of plates having notches only at the bottom of the filler, division plates interposed between said sections and having means for interlocking with the notches in the top and bottom of said sections and bridging and bracing the sections against lateral and crushing pressure, said bridging means lapping by the ends of the eggs in said pockets.

5. The combination, with an egg case, of a series of filler sections fitting therein, one above another, each section being composed of a group of parallel plates extending transversely of the section and a similar group of parallel plates extending longitudinally of the section, division plates interposed between said sections, each division plate at the top of a section interlocking with the upper edges of one group of parallel plates between their points of intersection with the other group of parallel plates, and each division plate at the bottom of a section interlocking with the lower edges of the other group of parallel plates between their points of intersection with the first named group, said division plates straddling and forming bearings for the ends of the eggs in said section.

In witness whereof, I have hereunto set my hand this 24th day of April 1913.

ALLAN C. BUSSEY.

Witnesses:

GENEVIEVE E. SORENSEN,

EDWARD A. PAUL.