J. H. CARTER.

FILLER FOR EGG CASES.

APPLICATION FILED DEC. 24, 1913.

1,143,036.

Patented June 15, 1915.

Fig. 1.

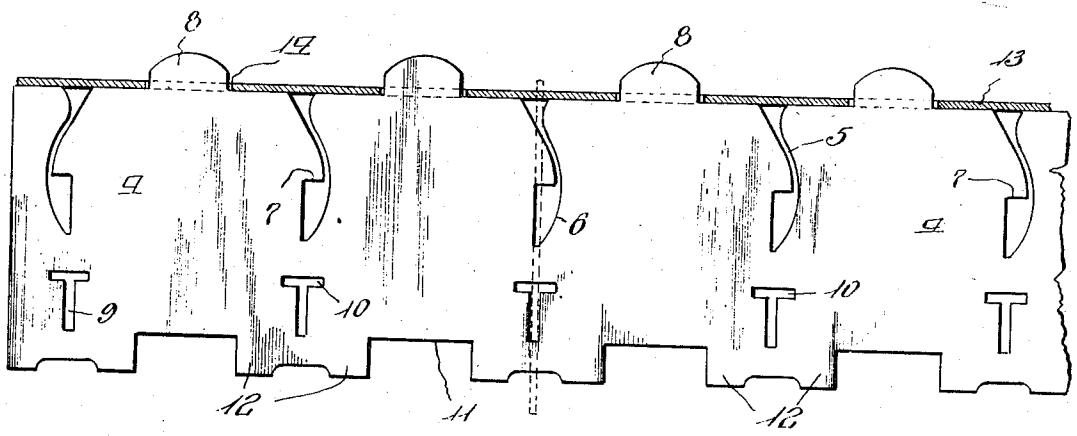


Fig. 2.

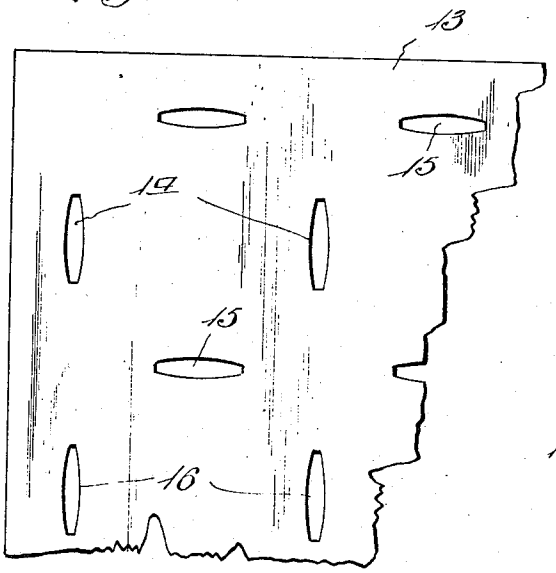
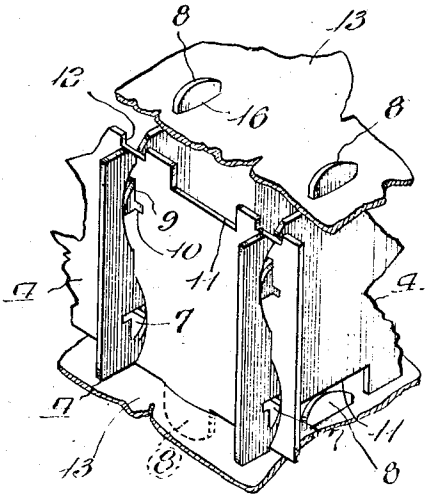


Fig. 3.



WITNESSES:

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JAMES H. CARTER, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO FREDERICK C. MAEGLY, OF CHICAGO, ILLINOIS.

FILLER FOR EGG-CASES.

1,143,036. Specification of Letters Patent. Patented June 15, 1915.

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To all whom it may concern:

Be it known that I, JAMES H. CARTER, citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Fillers for Egg-Cases, of which the following is a specification.

My invention relates to improvements in fillers for egg-cases, and the special object of the improvements hereinafter described, is to produce an egg-filler in which the side walls of each cell will be braced or locked against collapse by interengaging portions of said walls with "flats" or horizontal sheets which serve to separate the cell sections in an egg-case.

A further object of my present improvements, is to provide a cell section in which each cell will have in addition to the usual four immovable side walls, a top and a bottom wall, likewise immovable, so that each cell is a box closed upon all sides by walls between which no movement can take place when a case is filled by its full complement of such cell-sections or fillers.

In the accompanying drawing which forms a part of this application I have illustrated a preferred embodiment of my present invention in the following views:—

Figure 1 shows in elevation a portion of one of the side walls of an egg filler embodying my invention, with the coöperating flat shown in section; Fig. 2 is a plan view of a fragment of a flat made according to my invention; Fig. 3 is a perspective view of a fragment of an egg-filler section showing the interlocking relation of the cell-walls.

My improved filler is made of the material usually employed or any suitable substitute.

The reference character 4 represents one of the strips which form the cell side-walls, and which extend at right angles to each other and are provided with inter-engaging slots and tongues 5, 6, 7, 9, and 10, the same being of well known constructions. Instead of cutting the edges of the strips 4 straight, as is the usual practice, I provide along one edge, a series of tongues 8, the ends of which are preferably rounded as shown, and by cuts 11, I form along the opposite edge of said strips, a series of rectangular legs 12, preferably of the shape shown. In the flats I cut two series of slots 14, 15, which extend at right-angles to each other and are in staggered relation. The side edges of these slots are preferably cut on curved lines.

In assembling the members which go to make up my improved filler, the strips 4 intersect and are joined by suitable machinery in the usual manner so that the tongues 7 of one strip engage the slots, 9, 10, of the intersecting strips, thus providing sections of the usual four-sided cells adapted to fit snugly within the walls of an egg case. When the strips 4 are formed as described by me, and are expanded to receive eggs, it is obvious that the strips extending in one direction will have the tongues 8 at the top of the section while the complementary strips 4, will have the tongues 8 at the bottom of the section, that said top and bottom tongues will be in staggered relation and at right angles to each other, and that the same condition will apply to the legs 12.

When the side walls of a section are expanded to form rectangular egg-receiving cells, the user applies one of the flats 13 to said section, or applies a section to the flat, whichever he prefers, and the tongues 8 enter the slots 14 or 15 depending upon the relative positions of the flat and section thus assembled. By having the two sets of slots in the flats no care is required in placing the flats in position in order to provide suitable slots for the tongues 8, and more effective ventilation is provided between the different sections.

As shown in Fig. 3, each cell will have its side walls interlocked at each corner, and the upper edges of one pair of the side walls will be interlocked with the flat above the cell section, while the lower edges of the other pair of side walls will be interlocked with the flat below the cell-section.

Inasmuch as the tongues of one strip are cut from the portions of the adjacent strip between the legs 12, no more material is required in the manufacture of my filler strips than in any other form not possessing such tongues or projections.

By making the end of the tongues 8 rounded and the side edges of the slots 14, 15, curved, as shown, I facilitate the assembling of the cell-sections.

What I claim is:—

1. An egg-case filler consisting of cell-sections composed of two series of parallel strips that intersect each other at substan-

tially right angles having interengaging portions at their points of intersection, the strips of one series having tongues projecting from their upper edges above the horizontal plane thereof and the strips of the other series having tongues projecting from their lower edges below the horizontal plane thereof, in combination with flats each having slots disposed at substantially right angles to each other through which said tongues are inserted.

2. An egg-case filler consisting of cell-sections composed of two series of parallel strips that intersect each other at substantially right angles having interengaging portions at their points of intersection, the strips of one series having tongues projecting from their upper edges above the horizontal plane thereof and the strips of the other section having tongues projecting from the lower edges below the horizontal plane thereof, and each of said strips having legs projecting from their edges opposite said tongues, in combination with flats each having elongated slots disposed at substantially right-angles to each other through which said tongues are inserted and unslotted portions adapted to be engaged by the ends of said legs.

In testimony whereof I affix my signature in the presence of two witnesses.

JAMES H. CARTER.

Witnesses:
F. BENJAMIN,
M. A. MILARD.