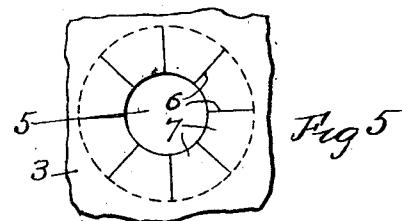
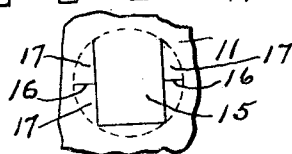
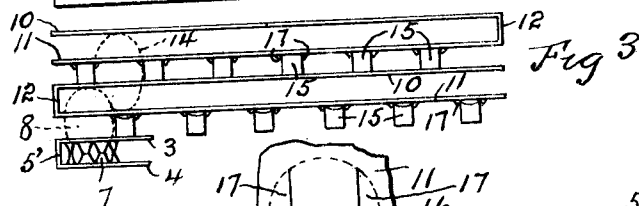
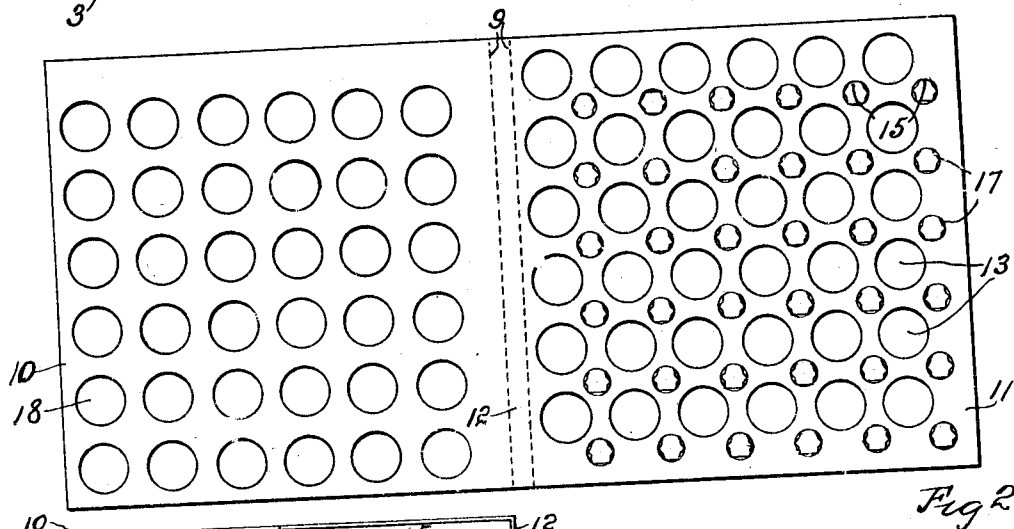
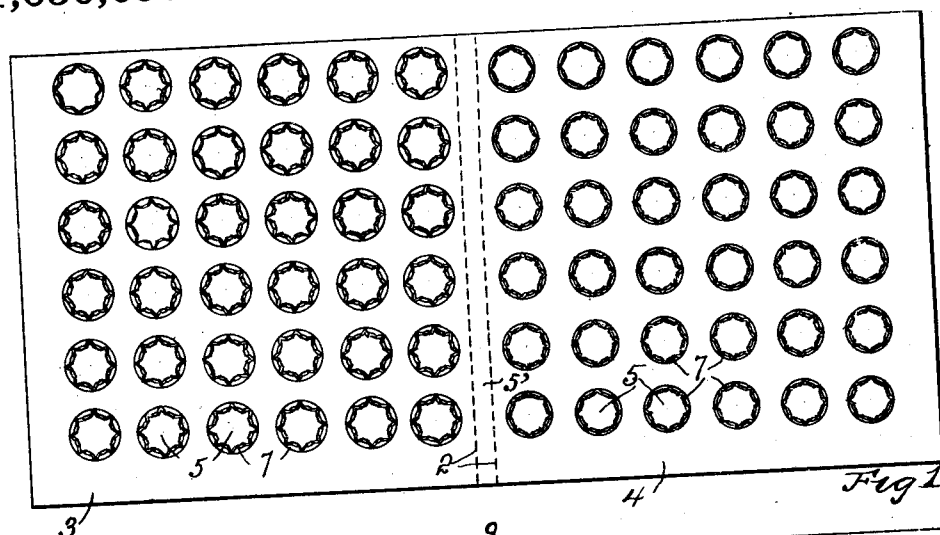


1,050,098.



WITNESSES:

R. Hamilton.
E. B. House

INVENTOR.
Frank F. Bradshaw
BY
Warren D. House
His ATTORNEY.

F. F. BRADSHAW.
EGG CASE FILLER.
APPLICATION FILED OCT. 6, 1911.

Patented Jan. 14, 1913.
2 SHEETS—SHEET 2.

1,050,098.

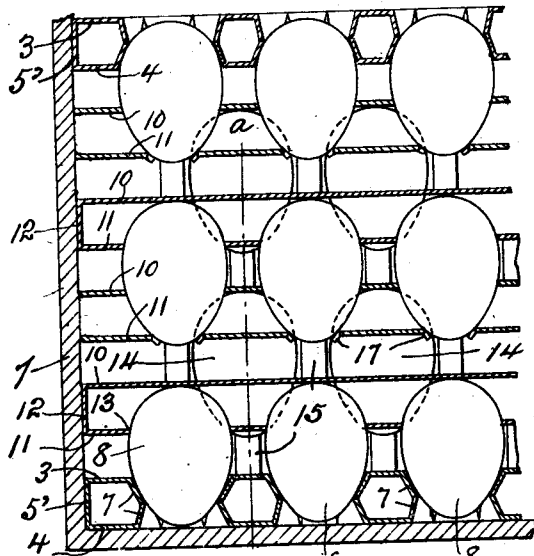


Fig 6

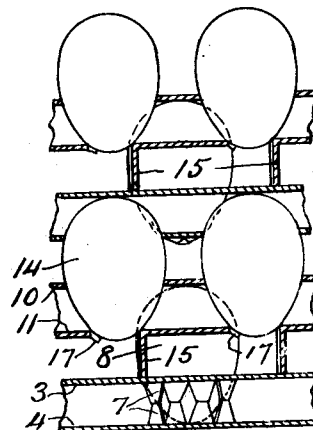


Fig 7

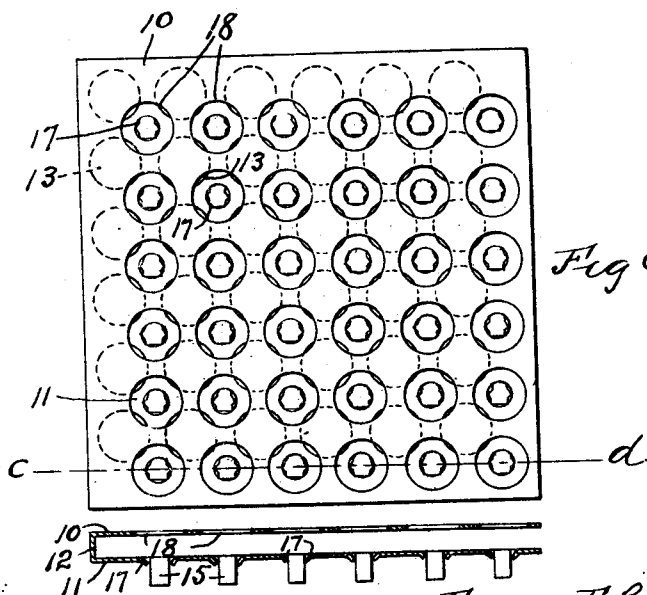


Fig 8

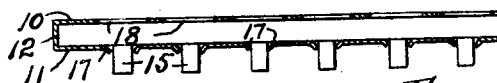


Fig 9

WITNESSES:
R. Hamilton
E. B. House

INVENTOR.
Frank F. Bradshaw
BY
Warren D. House
His ATTORNEY.

UNITED STATES PATENT OFFICE.

FRANK F. BRADSHAW, OF TOPEKA, KANSAS, ASSIGNOR OF ONE-HALF TO F. G. THOMAS,
OF TOPEKA, KANSAS.

EGG-CASE FILLER.

1,050,098.

Specification of Letters Patent.

Patented Jan. 14, 1913.

Application filed October 6, 1911. Serial No. 653,094.

To all whom it may concern:

Be it known that I, FRANK F. BRADSHAW, a citizen of the United States, residing at Topeka, in the county of Shawnee and State of Kansas, have invented certain new and useful Improvements in Egg-Case Fillers, of which the following is a specification.

My invention relates to improvements in egg case fillers.

10 The object of my invention is to provide improved egg case fillers by which a maximum number of eggs may be packed and safely shipped in an ordinary case.

15 A further object of my invention is to provide fillers with a minimum of weight and a maximum of capacity.

20 A further object of my invention is to provide a filler having holes punched for receiving eggs and of a size such that the disks punched from the filler may serve as stoppers for milk bottles, thereby effecting a saving of what would otherwise be waste material.

25 Other novel features of my invention are hereinafter fully described and claimed.

In the accompanying drawings illustrative of the preferred form of my invention, Figure 1 is a plan view of one of the top and bottom fillers prior to its being folded. 30 Fig. 2 is a plan view of one of the intermediate fillers prior to its being folded. Fig. 3 is a side elevation of two of the intermediate and a portion of one of the bottom fillers disposed as they are to be arranged in the packing case. 35 Fig. 4 is an enlarged plan view of a portion of the lower member of one of the intermediate fillers, showing one of the tongues prior to its being bent downwardly. Fig. 5 is a plan view of a portion of one of the top and bottom members, enlarged, showing one set of circularly arranged tongues prior to their being bent. 40 Fig. 6 is a vertical section of a portion of an egg case having mounted therein my improved fillers portions of which are broken away, eggs being shown mounted in the fillers. Fig. 7 is a vertical section on the line *a-b* of Fig. 6. Fig. 8 is a plan view of one of the intermediate fillers after it has 45 been folded. Fig. 9 is a vertical section on the line *c-d* of Fig. 8.

Similar reference characters designate similar parts throughout the different views.

1 designates the egg case. The top and 55 bottom fillers are each made alike and com-

prise each a sheet of flexible material, such as card board, which, as shown in Fig. 1, is scored in two parallel lines 2, whereby the sheet may be folded to form horizontal upper and lower members 3 and 4 and a vertical intermediate member 5'. Before being folded holes 5 are punched in the sheet and radial slits 6 are also punched in the sheet around the holes 5, thereby forming tongues 7 which are circularly arranged. The 65 tongues in the member 4 are then bent upwardly, while the tongues 7 of the member 3 are bent downwardly. The tongues 7 of the upper member 3 are disposed so that when the sheet is folded they will rest upon 70 the tongues 7 of the lower member 4, as is shown in Figs. 3, 6 and 7. The tongues 7 form seats which are adapted to receive the ends of eggs, as shown in Fig. 6. When the filler is used as a bottom filler, the 75 tongues support the lower ends of one set of eggs denoted by 8.

Each intermediate filler comprises a flexible sheet, such as is shown in Fig. 2, said sheet being scored in two parallel lines 9 80 whereby the sheet may be folded to form upper and lower members 10 and 11 and an intermediate vertical member 12. The lower member 11 is provided with holes 13 disposed so as to receive the set of eggs 8. It 85 is also provided with a plurality of seats disposed between and in staggered relation to the holes 13 for receiving the lower ends of another set of eggs 14. Said seats are preferably formed by cutting in the member 90 11 tongues 15 which are bent downwardly and rest upon the upper member of the filler next below, thereby serving to support the member 11. Slits 16 may also be formed at 95 opposite sides of the tongues 15 and supplemental tongues 17 bent downwardly at opposite sides of said slits 16, which latter tongues assist in forming the seats for supporting the eggs 14. The upper member 10 is provided with holes 18 disposed so as to 100 receive the eggs 14. Said member is provided with solid portions between the holes 18 which rest upon the upper ends of the eggs 8.

In operating my invention, the bottom 105 filler is first placed in the case 1, first having been folded as described. The first set of eggs 8 are then placed in the seats formed by the tongues 7. An intermediate filler is then folded and placed as shown in Fig. 6 110

within the case 1 with the vertical member 12 at the left and the eggs 8 disposed in the holes 13 of the lower member 11. The upper member 10 will now rest upon the upper ends of the eggs 8 and the tongues 15 will rest upon the member 3 of the bottom filler. The eggs 14 are then placed in the holes 18 of the upper member 10 and in the seats formed by the tongues 17 of the member 11. The next intermediate filler is then placed in the case, the vertical member 12 being disposed, however, at the right, as shown in Fig. 3. The holes 13 of the lower member 11 of the last inserted intermediate filler will now receive the eggs 14 and the tongues 15 of the member 11 will rest upon the upper member 10 of the next lower intermediate filler. The upper member 10 of the last inserted filler will rest upon the upper ends of the eggs 14. The next higher row of eggs 8 are then inserted in the holes 18 of the member 10 of the last inserted filler, said eggs 8 resting on the tongues 17 of the lower member 11 of the last inserted filler. The third intermediate filler is then inserted and disposed in the same position as the first inserted intermediate filler. In like manner the following intermediate fillers are inserted after which the top filler is inserted. With my improved fillers many more eggs may be packed in a given space than can be done with the ordinary fillers, and owing to the holes being punched in the fillers, they are much lighter than the ordinary solid fillers.

I do not limit my invention to the structure shown and described as many modifications, within the scope of the appended claims, may be made without departing from the spirit of my invention.

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

1. An egg case filler comprising a sheet of flexible material scored in two parallel lines whereby the sheet may be folded to form horizontal upper and lower members and an intermediate vertical member, the lower member having upwardly extending tongues and the upper member having

downwardly extending tongues adapted, when the sheet is folded to rest upon the tongues of the lower member, said tongues in both members forming seats adapted to receive and support the ends of eggs.

2. An egg case filler comprising a sheet of flexible material scored in two parallel lines whereby the sheet may be folded to form horizontal upper and lower members and an intermediate vertical member, the lower member having a plurality of sets of circularly arranged upwardly extending tongues, and the upper member having a plurality of sets of downwardly extending circularly arranged tongues arranged to rest respectively upon the tongues of the other member when the sheet is folded, the circularly arranged sets of tongues of the upper and lower members forming seats adapted to receive and support the ends of eggs.

3. An egg case filler four horizontal members disposed above the other, the intermediate members having holes disposed one above the other for receiving eggs, the lowest and the upper members having respectively seats for receiving the lower ends of said eggs, and solid portions for resting upon the upper ends of said eggs, said seats and solid portions being disposed concentrically with said holes, the upper and lower of said four members having each a set of holes for receiving another set of eggs, the upper of the intermediate members having seats disposed concentrically with the holes of said upper member for receiving the lower ends of the upper set of eggs, and the lower of the intermediate members having solid portions concentric with the said holes of the upper and lower members for resting upon the upper ends of the set of eggs held in the holes of the lowest member.

In testimony whereof I have signed my name to this specification in presence of two subscribing witnesses.

FRANK F. BRADSHAW.

Witnesses:

E. B. HOUSE,
WARREN D. HOUSE.