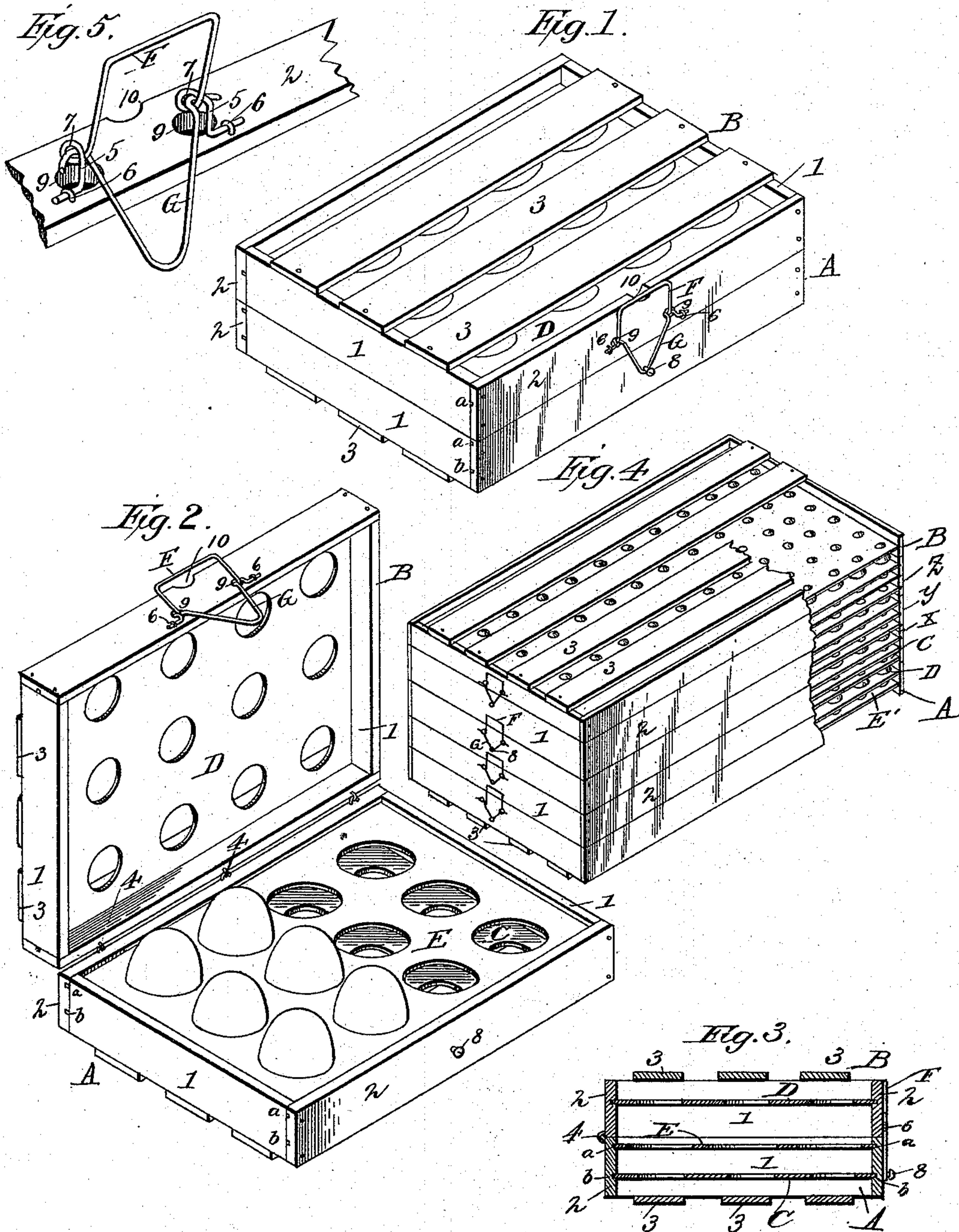


(No Model.)

F. E., C. A. & J. H. TEN EYCK.  
EGG CARRIER.

No. 528,187.

Patented Oct. 30, 1894.



WITNESSES:  
F. L. Ourand  
Edwin McVee

INVENTORS:  
Frank E. Ten Eyck,  
Charles A. Ten Eyck,  
James H. Ten Eyck.  
By S. L. Fitzgerald Attorney



# UNITED STATES PATENT OFFICE.

FRANK E. TEN EYCK, CHARLES A. TEN EYCK, AND JAMES H. TEN EYCK,  
OF AUBURN, NEW YORK; SAID JAMES H. TEN EYCK ASSIGNOR TO SAID  
FRANK E. TEN EYCK AND CHARLES A. TEN EYCK.

## EGG-CARRIER.

SPECIFICATION forming part of Letters Patent No. 528,187, dated October 30, 1894.

Application filed January 22, 1894. Serial No. 497,691. (No model.)

### *To all whom it may concern:*

Be it known that we, FRANK E. TEN EYCK, CHARLES A. TEN EYCK, and JAMES H. TEN EYCK, citizens of the United States, residing at Auburn, in the county of Cayuga and State of New York, have invented certain new and useful Improvements in Egg-Carriers; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to improvements in egg-carriers, and it has for its object to produce a carrier specially adapted for transporting eggs in small quantities, from retailers to customers, thereby avoiding the use of paper bags, which are usually employed for such purposes; also in larger quantities as may be desired.

Our invention will first be described in connection with the accompanying drawings, and then particularly pointed out in the claims.

In the drawings—Figure 1 is a perspective view of a carrier embodying our invention, in its closed position. Fig. 2 is a similar view showing the carrier in its open position. Fig. 3 is a transverse section. Fig. 4 is a modification of tray, side view, parts cut away. Fig. 5 is a detail of the catch device.

Referring to the drawings, A, B, are shallow trays composed of end pieces 1, side pieces 2, and slatted bottom pieces 3, the trays being hinged together by means of staple-hinges 4, and when closed are held together by a catch device which will be described hereinafter. The side pieces of each tray are grooved as shown at *a*, *b*, to receive partitions C, D, provided with circular openings adapted to receive the end portions of the eggs. A central or intermediate partition E is placed in one tray, A, above the partition C, and provided with circular openings which are larger than those of the other partitions C, D, the holes of the partitions being in register or opposite those of the other partitions.

The catch device which we employ is specially constructed for use with this carrier. It consists of a cranked wire draft-piece F, having ends 5 which are attached to the edge of one tray by staples 6, the draft-piece having eyes 7, into which are inserted the out-

ward-bent ends of a link device G, which is arranged to loop over the head of a screw 8 fixed in the edge of the opposite tray. To permit the draft-piece to lie flat on the edge of the carrier, a pair of holes 9, is made in the edge of the tray A into which holes the eyes 7 enter when the draft-piece is turned down. The draft-lever is so proportioned that when down its end will be flush with the outer edge of the tray A, and to permit the finger of the user to be inserted beneath the draft-lever for the purpose of raising it, we cut away the edge of the tray A, at 10, or the said draft-lever may raise the thickness thereof above the edge of the tray which of itself would form sufficient thumb piece to raise the lever when desired.

It will be seen that by means of our catch-device the trays are first drawn toward each other and then locked, and as the size of the circular openings are preferably a little smaller than the egg-ends, a certain amount of pressure or strain is put on the partitions, which are made, preferably of card-board, thereby preventing all rattling or shaking of the eggs.

In the preferred size of our hinged carrier the partitions are arranged to hold one dozen eggs, and it is to be understood that if a carrier is required holding more than one dozen, the carrier is enlarged in length and breadth but not in depth, which remains the same for all sizes of carriers.

In Fig. 4 we have shown a modification of our device wherein we provide a series of intermediate trays X—Y—Z, adapted to be arranged one above another to permit the carrying or storing of more eggs in bulk. The trays in the said modification are made of end pieces 1, and side pieces 2, and are grooved interiorly on the sides at *a*, *b*, *b'* to receive partitions C, D, and E'; the partition E' being the bottom partition of the tray, and is provided with circular openings of smaller diameter adapted to register with the circular openings of larger diameter of the tray below, thereby firmly holding the eggs in position. The diameter of the circular openings of the two other partitions of the intermediate series, corresponds in size with the partitions C and E of tray A. In using this form of carrier the trays A and B are not hinged together. Tray



A is taken for the bottom of the series and is filled with eggs, when one of the series of intermediate trays X—Y—Z is placed upon tray A, and the openings of the partitions E' register with the circular openings of partition E of tray A, when this tray in turn is filled and the operation repeated until a sufficient number of eggs is in the carrier, when tray B, with the single partition is placed on top of the whole series and locked together by means of our catch device in sufficient number of rows to firmly secure the trays together. By use of this modification any number of eggs may be carried or stored in bulk with perfect safety, and the carrier being open, free ventilation is thereby provided.

Having thus fully described our invention, what we claim, and desire to secure by Letters Patent, is—

1. In an egg carrier, the combination of the end pieces and the side pieces, joined at their ends to form a rectangular frame or tray, the slats 3 arranged across the bottom thereof said frame or tray being provided in its inner face with grooves extending around its sides, said grooves fitted with perforated partitions adapted to support the eggs in said frame or tray and a top or cover tray arranged over said frame, substantially as and for the purpose set forth.

2. In an egg carrier, the combination of the end pieces and the side pieces joined at their ends to form a rectangular frame or bottom tray, the slats 3, arranged across the bottom side thereof said bottom tray being provided in its inner face with two grooves extending at different levels around its sides, perforated partitions arranged in said tray with their edges arranged in the respective grooves in said tray, the perforations in the lower partitions being smaller than and corresponding in position with the perforations in the upper partition, and a top tray, arranged over said bottom tray, substantially as described.

3. In an egg carrier, the combination of the bottom tray formed of end pieces and side pieces joined at their ends to form a rectangular open topped frame and having a slatted bottom, said frame being provided in its inner face with two grooves extending at different levels around its sides, perforated partitions arranged in said bottom tray with their edges arranged in the respective grooves therein, the perforations in the lower partition being smaller than and corresponding in position to the perforations in the upper partition, the upper or top tray, also formed of end pieces and side pieces and provided with a groove extending around its inner sides, and a perforated partition arranged in said upper tray with its edges engaging the groove therein, the perforations in said partition of the upper tray being smaller than and corresponding in position to those in the upper partition of the bottom tray, substantially as and for the purpose set forth.

4. In an egg-carrier, the combination with

two trays hinged together, of a fastener consisting of a cranked member formed from a single piece of wire and bent upon itself to form two eyes, and two projecting arms by which it is attached to one tray, and a link wire, having its ends secured in the eyes in the cranked member, adapted to take over a pin or stud on the other tray, substantially as described.

5. In an egg-carrier, a pair of trays hinged together, one of the trays having a pair of holes in one of its sides, a pair of staples near the holes, a cranked wire having outward-extending ends inserted beneath the staples, and provided with bent portions forming eyes above the ends, a link-wire having ends inserted in the eyes in the cranked wire, and a screw inserted in the side of the opposite tray and arranged to engage the link-wire, the cranked-wire being of such length as to rise the thickness of said wire above the edge of the tray, substantially as described.

6. The combination, with a bottom tray provided with perforated partitions, of an intermediate tray consisting of a rectangular frame having grooves formed in its interior surface, and having three perforated partitions fitted in said grooves, at different levels, the perforations in the lower partition being of less size than and corresponding in position to the perforations in the upper partition of the bottom tray, and the perforations in the central partition of the said intermediate tray being of less size than and corresponding in position to the perforations in the upper partition, and a top or cover tray having a partition provided with perforations of less size than and corresponding in position to the perforations in the upper partition of the intermediate tray, substantially as and for the purpose set forth.

7. In an egg carrier, the combination of a bottom and a top tray, and a series of intermediate trays, of a fastener consisting of a cranked member formed from a single piece of wire bent upon itself to form two eyes, and two projecting arms by which it is attached to one tray, and a link wire, having its ends secured in the eyes in the cranked member, and adapted to take over a pin or stud on the other tray, the said series of intermediate trays each carrying a pin or stud for connection with the link wire of the fastener of the tray below, and a fastener, the link wire of which takes over a pin or stud of the tray above, substantially as and for the purpose set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

FRANK E. TEN EYCK.  
CHARLES A. TEN EYCK.  
JAMES H. TEN EYCK.

Witnesses:

DAVID L. HURLBUT,  
NELLIE MARIE AUSTIN.