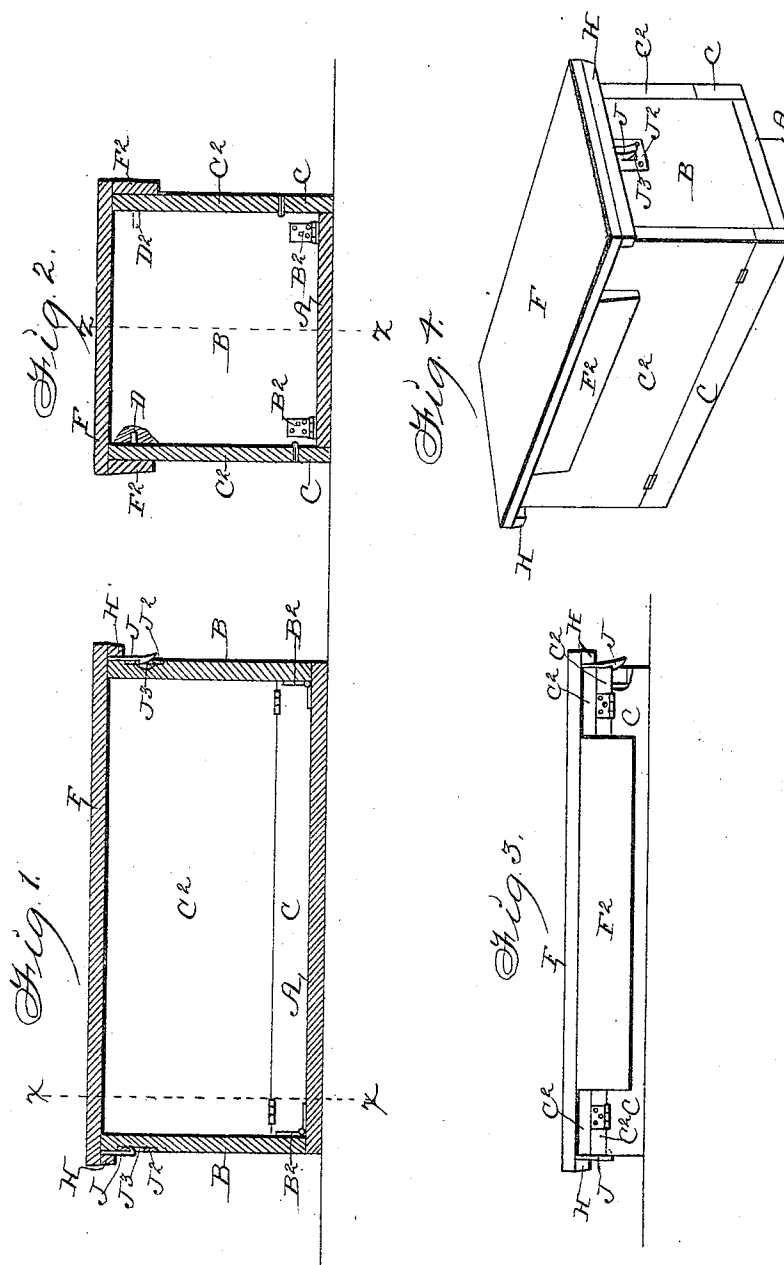


(No Model.)

H. E. McKINNEY.
FOLDING EGG CASE.

No. 529,403.

Patented Nov. 20, 1894.



Witnesses: }
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UNITED STATES PATENT OFFICE.

HENRY E. MCKINNEY, OF LIBERTY CENTRE, IOWA.

FOLDING EGG-CASE.

SPECIFICATION forming part of Letters Patent No. 529,403, dated November 20, 1894.

Application filed May 17, 1894. Serial No. 511,619. (No model.)

To all whom it may concern:

Be it known that I, HENRY E. MCKINNEY, a citizen of the United States of America, residing at Liberty Centre, in the county of Warren and State of Iowa, have invented a new and useful Folding Egg-Case, of which the following is a specification.

The object of this invention is to provide a cheap and simple case adapted to be compactly folded together and secured without nails, screws, &c., and which may be readily and quickly "set up" and the top secured thereto without the use of nails, screws, &c., and produce a strong and durable case firmly braced against lateral, longitudinal or vertical strains.

My invention consists in the arrangement and combination of the various parts of the device as hereinafter set forth, pointed out in my claims and illustrated in the accompanying drawings, in which—

Figure 1 is a vertical longitudinal sectional view through the line $z-z$ of Fig. 2. Fig. 2 is a vertical transverse sectional view through the line $x-x$ of Fig. 1. Fig. 3 is a side view of the device in a closed position, and Fig. 4 is a perspective view of the same "set up."

Referring to the accompanying drawings the reference letter A is used to indicate the bottom of the case; B, B, the two end pieces placed on top of the end portions of the bottom with their outer surfaces flush with the ends of the bottom and connected therewith by hinges B^2 on their inner surfaces permitting them to swing inwardly and lie parallel with the bottom. The side pieces are each composed of two parts, a short section C fixed to the side edges of the bottom with its end flush with the ends thereof, that on one side being of a height corresponding with the thickness of the end pieces and that on the other with the combined thickness of the end and opposite side piece. The sections C^2 are hinged to these sections to fold inwardly and also be capable of a slight outward movement and are of the same height as the end pieces B and by this arrangement it will readily be seen that the end pieces may first be folded to lie parallel with the bottom, the side having the shorter section be then folded downwardly to overlap the end pieces, and the remaining side piece be then folded to rest upon

the other one, and when the side pieces are the same height as the width of the bottom, the case when folded, will be thoroughly compact with no space between the parts.

I have provided against a longitudinal movement of the end pieces when set up as follows:

D indicates pins fixed to the edges of the end pieces B and projecting outwardly therefrom and D^2 are corresponding bores formed in the side pieces to receive said pins. When setting up the case the side pieces are first opened outwardly to incline beyond a vertical line. The ends are then opened upwardly and the side pieces pressed inwardly to admit the pins D into the bores D^2 .

F indicates the lid or cover having the downwardly projecting side strips F^2 to overlap the side pieces C^2 and prevent their outward movement and the end strips H to overlap the end pieces B and hold them in position against longitudinal strains.

To secure the top to the case I have provided two spring catches J fixed thereto to project downwardly, and two metal plates J^2 having openings J^3 therein fixed to the end pieces B to receive said catches when the upper edges of the case engage the under surface of the top and automatically hold the same in position. These catches are also arranged to hold the top to the remainder of the case when folded for shipping, by engaging the under surface of the lower one of the side pieces, as clearly shown in Fig. 3.

Having thus described my invention, what I claim as new therein, and desire to secure by Letters Patent of the United States therefor, is—

1. An improved folding egg case, comprising a suitable bottom, two end pieces hinged thereto to swing inwardly, pins fixed to and projecting outwardly from the edges of the end pieces, a side piece of a height corresponding to the thickness of the end piece secured to the bottom, a part hinged thereto of a height to reach the level of the end pieces and having bores therein to receive the pins on said end pieces, a side piece secured to the bottom on the opposite side and of a height corresponding to the combined thickness of one of the end pieces and the side piece, a section hinged thereto to reach the

level of the end piece, and a top having strips secured to its edges to overlap the sides and ends of the box, for the purposes stated.

2. An improved folding egg case comprising
5 a suitable bottom, two end pieces hinged thereto to swing inwardly pins fixed to and projecting outwardly from the edges of the end pieces, a side piece of a height corresponding
10 to the thickness of the end piece secured to the bottom, a part hinged thereto of a height to reach the level of the end pieces having bores therein to receive the pins on
15 said end pieces, a side piece secured to the bottom on the opposite side and of a height corresponding to the combined thickness of one of the end pieces and the side piece, a

section hinged thereto to reach the level of the end piece and a top having strips secured to its edges to overlap the sides and ends of the box, and two spring catches fixed to the
20 top to overlap the said pieces and engage the under surface of the lower side piece when folded up, and two plates having notches therein fixed to the end pieces to receive said
25 catches when the case is set up, all arranged and combined substantially as and for the purposes stated.

HENRY E. MCKINNEY.

Witnesses:

THOMAS SANDY,
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