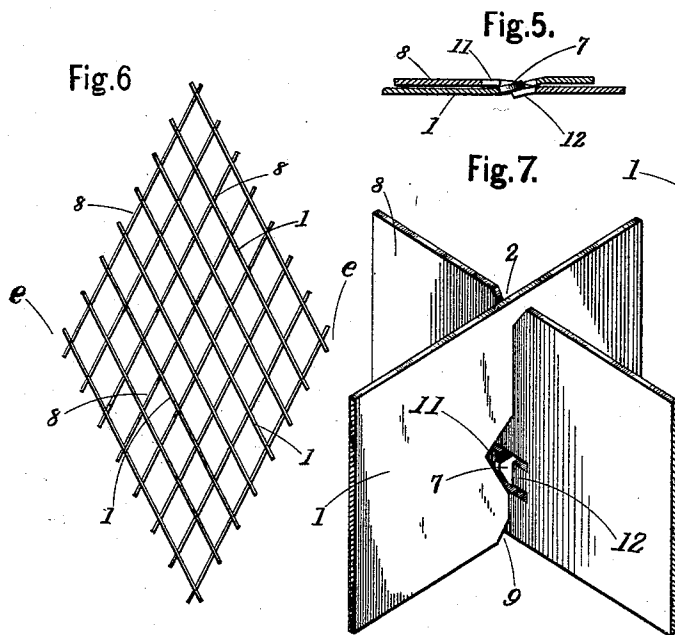
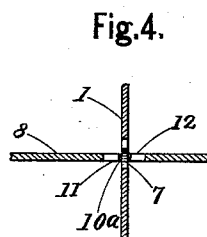
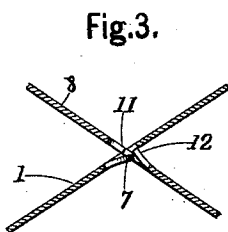
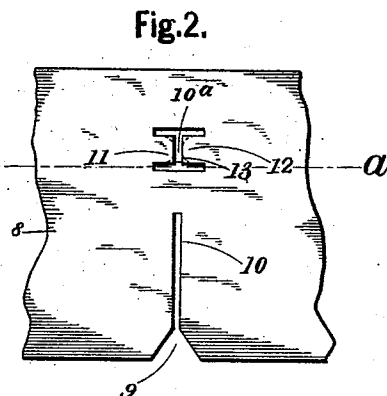
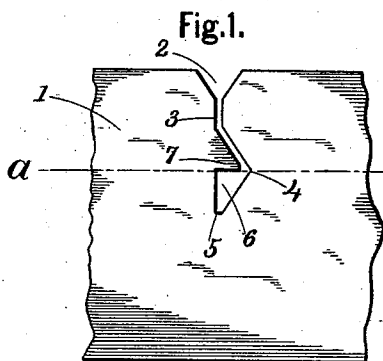


(No Model.)

H. C. HERR.
EGG CASE.

No. 529,173.

Patented Nov. 13, 1894.



Witnesses.
Harriet Johnson
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UNITED STATES PATENT OFFICE.

HENRY C. HERR, OF WILLIAMSVILLE, NEW YORK, ASSIGNOR TO THE AMERICAN EGG CASE COMPANY, OF PORT HURON, MICHIGAN.

EGG-CASE.

SPECIFICATION forming part of Letters Patent No. 529,173, dated November 13, 1894.

Application filed June 18, 1894. Serial No. 514,839. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. HERR, a citizen of the United States, residing in Williams-
ville, in the county of Erie and State of
New York, have invented certain new and
useful Improvements in Egg-Cases, of which
the following is a specification.

My invention relates to that class of egg
cases made of paper, straw-board, or other
similar material, in which a separate case is
provided for each egg, and the invention con-
sists, in certain improvements whereby it is
not liable to come apart after having once
been put together, either when folding for
packing and transportation, or when unpack-
ing and being opened out or used, and it will
be fully and clearly hereinafter described and
claimed reference being had to the accompa-
nying drawings, in which—

Figure 1, represents a side elevation of a
portion of the male strip, showing the shape
of the single opening therein. Fig. 2, is a
similar elevation, showing a portion of a fe-
male strip and the form of the openings
therein. Fig. 3, represents a horizontal sec-
tion on or about line *a a*, Figs. 1 and 2, show-
ing the position of the parts while the two
portions are being put together. Fig. 4, rep-
resents a similar horizontal section, showing
the position of the two portions when the in-
terlocking parts are in their proper place in
a completed egg case. Fig. 5, is also a similar
horizontal section, representing the two parts
after once being put together, as folded up
for packing or transportation, showing also
the position of the connecting or locking
parts, while in that condition. Fig. 6, repre-
sents a plan view of a completed egg case,
showing the diamond shape of the case when
the cross strips are being put in place, which
shape is required to permit the parts to enter,
as will more clearly appear farther on. Fig.
7, represents a perspective view of a portion
of an egg-case put together, showing more
clearly the position of the locking parts. Fig.
8, represents a top or plan view of a com-
pleted egg case, when all parts are securely
locked in place.

Referring to the drawings in detail, 1, rep-
resents a portion of the male strip. It is pro-
vided with a tapering opening 2, in the side

extending straight at a right angle inward
through the narrow opening 3, which is con-
tinued in an oblique direction to the point 4,
and from thence back in the opposite direc-
tion, to the point 5, thereby leaving a sub-
stantially triangular opening 6, and a hook
shaped projection 7.

In the complete strip for an egg case, there
are seven of the openings above described,
which would make a case for holding three
dozen eggs, but this number may be varied
to correspond with the size of the egg case
required to be made. The female strip 8,
shown in Fig. 2, is also provided with a taper-
ing opening 9, which extends into and ter-
minates in an elongated narrow opening 10.

Beyond the opening 10, is another opening
similar to an H turned over on its side, thereby
leaving the two projecting tongues 11 and 12.
The ends of these are shown square but they
may be made semi-circular if desired, sub-
stantially as shown by the dotted lines 13, in
Fig. 2.

These egg cases while being put together,
are placed in the form of a diamond, a special
device being used of that form for that pur-
pose, so that the first strips 8, (the female
strips) see Fig. 6, are arranged parallel with
each other, but in the form of a diamond. The
male strips 1, are then put in place and are
also placed parallel with each other but in a
diamond form as shown in Fig. 6, being put
down so that the opening 9, enters the open-
ing 2, and passes down until the hook 7, comes
against one of the tongues, the tongue 12, in
this instance, substantially as shown in Fig.
3. When in this position, the egg case is in
an incomplete condition because the hook
portions 7, of the male strips do not engage
with the openings in the female strips as they
are in the position substantially as shown in
Fig. 3. Consequently the male strips can be
easily withdrawn from the female strips, the
connecting parts not being in their required
positions.

When it is desired to complete the egg case
so that the parts cannot be separated or pulled
apart without tearing them, all that is re-
quired to be done is to take it by the two cor-
ners *e e*, for instance, see Fig. 6, and pull
them apart until in the position shown in Fig.

8, which will bring all the hook portions 7, in between the projecting tongues 11 and 12, or into the opening 10^a, substantially as shown in Fig. 4. This operation will be more clearly understood by reference to Fig. 3, in which the strips are shown in a position obliquely to each other, in which position the point of the hook 7 rests against the side of the tongue 12, and it is obvious that if the strips be brought into the position or form shown in Fig. 4, or in Figs. 7 and 8, the points of the hook 7, and the tongue 12, will pass each other so that the hook will spring into the opening 10^a, thereby locking the strips all securely together.

When once in place, as in Fig. 4, the strips cannot be separated by ordinary usage without breaking the hooks 7. Even when folded flat together, see Fig. 5, they will not separate, as will be readily apparent.

From the above construction it will be seen that the strips could not be entered together while they were at right angles to each other as in Figs. 4 or 8, without injury to the hooks 7, and it will be further seen that the two tongues 11 and 12, are an important feature in this construction as it is by their elasticity that the egg case can be put together in the way described without injury to any of its parts, and so that when once put together in that way it cannot be separated by ordinary usage, or without tearing the locking parts.

I am aware that egg cases have been heretofore made in which the male strips are provided with angular openings having hook portions, and the female strips provided with a series of openings extending inward from the edge of said strips, and with a second series of openings closed on all sides, and adapted to engage with the hooks when the two series of strips are put together as in the Patent No. 203,356, granted to John H. McCarren, May 7, 1878.

I am also aware that it is not broadly new to use two series of strips having interlocking perforations and hooks, and assembling the two series in relatively inclined positions or at right angles, or nearly so, while connecting them together to form an egg case as this has long been done as will be seen by reference

to the above patent. I therefore do not claim such construction broadly, but

What I do claim is—

1. In an egg case, a partition or male strip 1, having a flaring inlet opening which terminates in a narrow opening extending into and partly around a hook portion, in combination with a female strip provided with a flaring inlet opening terminating in a long narrow opening, and an inclosed opening having two projecting tongues their ends facing each other, in which the hook portion engages, for the purposes described.

2. In an egg case, the combination with a series of male strips arranged parallel with each other, each having inlet openings extending from the edges of the strips inward and partly surrounding the hook portions, of a series of female strips, arranged at right angles to the male strips; each having inlet openings extending inward, and openings in which the hook portions engage, each having two tongues projecting toward each other but leaving room enough for the hooks to enter, substantially as described.

3. The within described mode of making egg cases, which consists in first, arranging a series of female strips parallel with each other, each strip being provided with a series of entering openings, and a series of substantially H shaped openings having yielding tongues extending toward each other with an opening between them, then placing in and diagonally across said entering openings a parallel series of male strips each provided with a series of entering openings inclosing hook portion and forcing them together until the hooks rest sidewise against the sides of the yielding tongues in the female strips, then causing said hooks to yield and spring by the ends of the yielding tongues into the opening between them, by extending the narrow portion of the egg case so as to bring the male and female strips at right angles to each other or nearly so and thereby permanently interlock them, substantially as described.

HENRY C. HERR.

Witnesses:

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