

No. 654,508.

Patented July 24, 1900.

E. F. BOHN.
FILLER FRAME FOR EGG CASES.

(Application filed Mar. 3, 1900.)

(No Model.)

Fig. I.

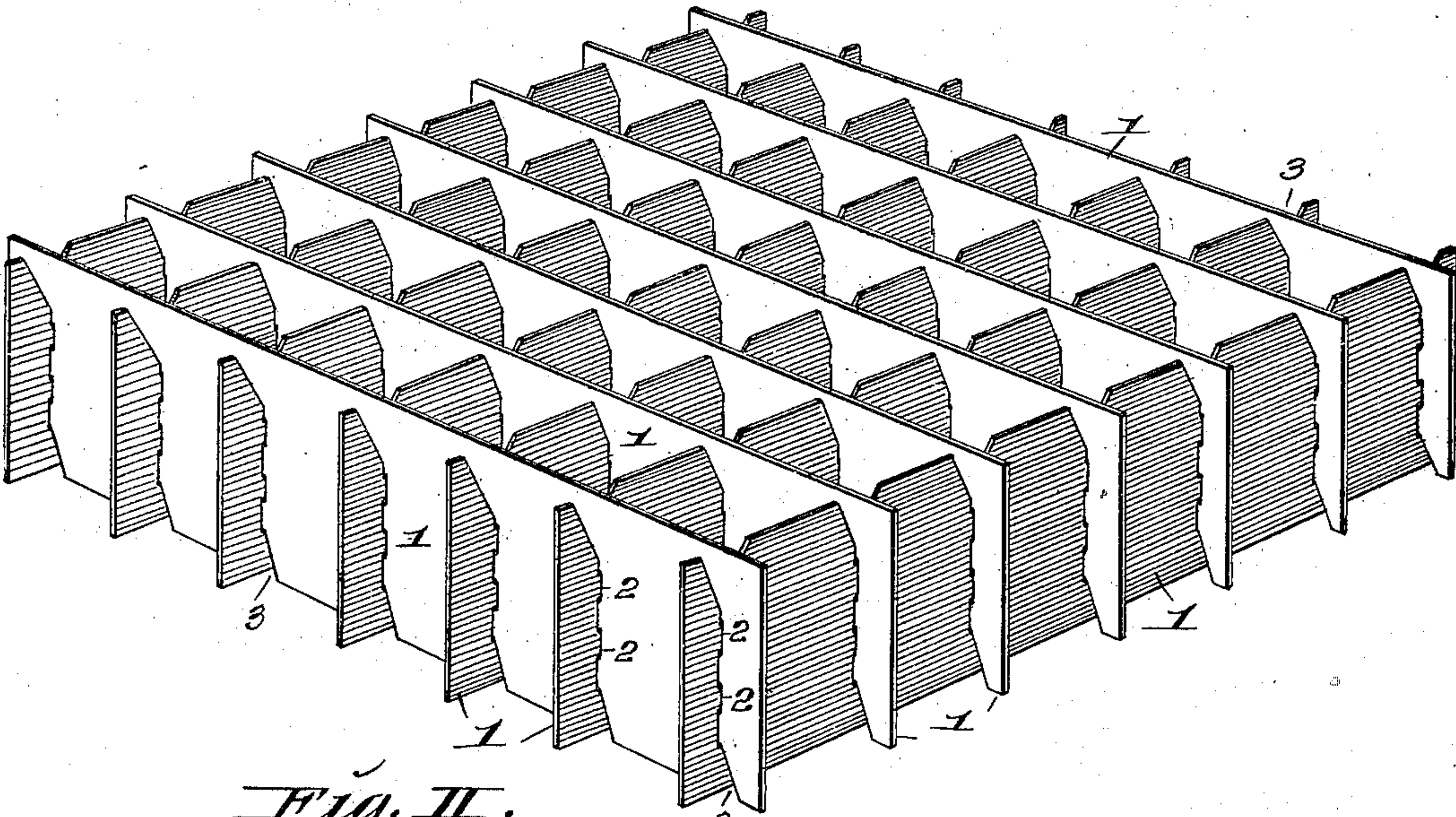
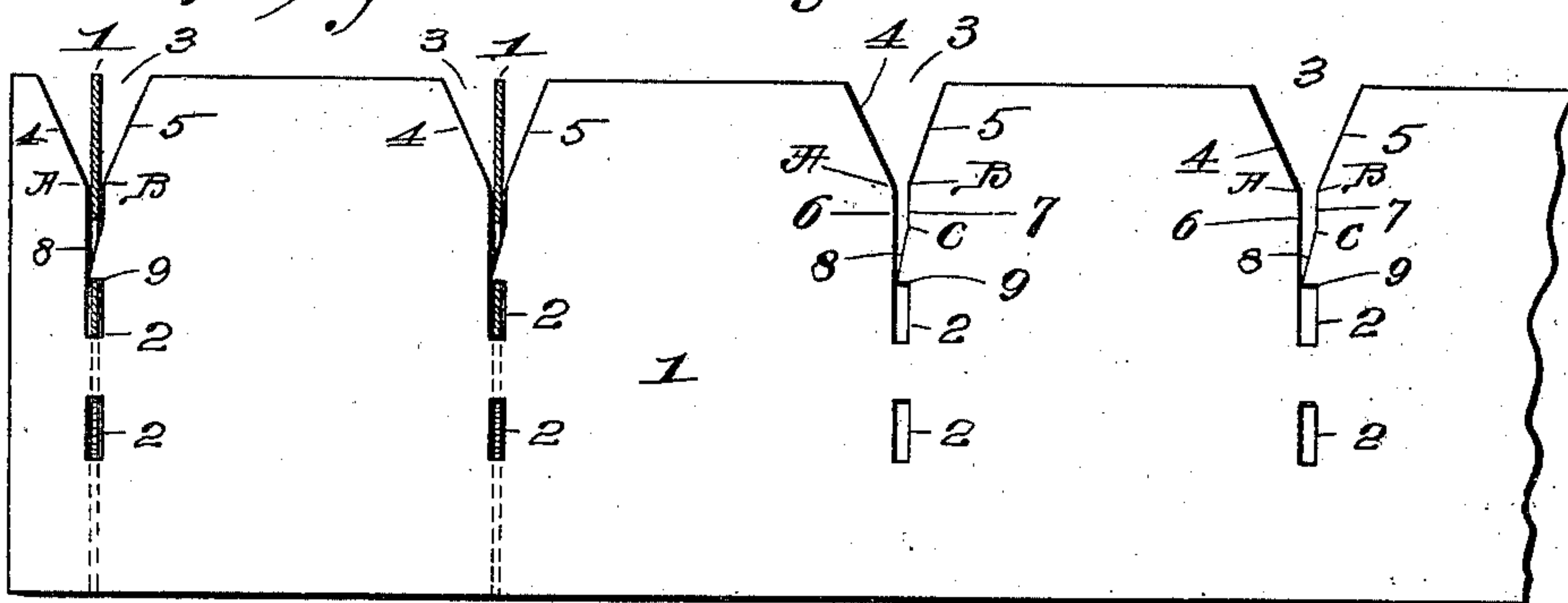


Fig. II.



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FILLER-FRAME FOR EGG-CASES.

SPECIFICATION forming part of Letters Patent No. 654,508, dated July 24, 1900.

Application filed March 3, 1900. Serial No. 7,154. (No model.)

To all whom it may concern:

Be it known that I, EMIL F. BOHN, a citizen of the United States, residing at the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Filler-Frames for Egg-Cases, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a filler-frame for egg-cases, and has for its object the production of an article of this character in which the strips of the frame are so constructed as to be assembled with the greatest ease and when assembled will be locked together with the greatest efficacy.

I am aware that numerous filler-frames have been devised somewhat similar in construction to the frame produced by me; but so far as I am aware all of such frames have contained a defect in their construction that rendered it difficult to assemble the crossing strips into interlocked connection when such strips were placed at right angles to each other, it being necessary in assembling them that the strips be positioned obliquely to each other in order that the interlocking parts might readily engage each other. In putting the frame-strips together arranged obliquely to each other it has been found impracticable to construct a machine that would do the work automatically; but by a construction in accordance with my improvement the strips may be assembled at right angles to each other, and it is therefore a comparatively simple matter to utilize mechanical means for presenting the strips to each other and pressing them into interlocked engagement.

My invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

Figure I is a perspective view of my improved filler-frame. Fig. II is an enlarged detail view of a fragment of one of the frame-strips with two of the crossing strips shown in section at the point of intersection.

1 designates the frame-strips, one series of which are arranged parallel with each other

and the other series of which cross those of the first-named series in the usual manner. Each strip is provided with apertures 2, extending therethrough, (seen clearly in Fig. II,) and at one edge of each strip are V-shaped notches 3, having inclined edges 4 and 5. The inclined edges 4 extend from the edge of each strip to a point A, (see Fig. II,) from which point there is in each instance formed a straight edge 6, that extends to the upper aperture. The inclined edge 5 extends to a point 5, (see Fig. II,) from which point there is formed a straight edge 7, that extends to a point C. The material of the strip is cut from the point C in an oblique direction to the straight edge 6 and is severed from said straight edge to form a hook having the oblique edge 8 above and the shoulder edge 9 beneath it at the top of the upper aperture 2.

By constructing strips as explained with the hooks having the oblique edges 8 and the opposing straight edges 6 and 7 immediately above the oblique edge of the hook I provide for the ready entrance of the crossing interlocking strips, so that the parts are readily and easily assembled at right angles to each other, as the notch 3 of each strip provides space for the entrance of the opposing strip, and thus the strips are pressed inwardly toward each other, the oblique edges 8 of the hooks passing into the spaces between the straight edges 6 and 7 and therefrom in contact with each other to convey the hooks into the apertures 2, in which action the oblique edges 8 provide for the ready slippage of the hooks past each other, and by reason of the hooks slipping so easily past each other it is possible to assemble the crossing interlocking strips when arranged at right angles to each other.

I claim as my invention—

1. A blank for an egg-case filler comprising a crossing strip formed with a series of inner apertures, a series of outer apertures in line with the inner apertures, V-shaped entrance-notches, straight edges extending from one side of the entrance-notches to the outer apertures and the straight and oblique edges ex-

tending from the other side of the entrance-notches forming shoulders extending across the outer ends of the outer slots.

2. An egg-case filler comprising interlocking crossing strips, each formed with a series of inner apertures, a series of outer apertures in line with the inner apertures, V-shaped entrance-notches, straight edges extending from

one side of the entrance-notches to the outer apertures and straight and oblique edges extending from the other side of the entrance-notches.

EMIL F. BOHN.

In presence of—

E. S. KNIGHT,
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