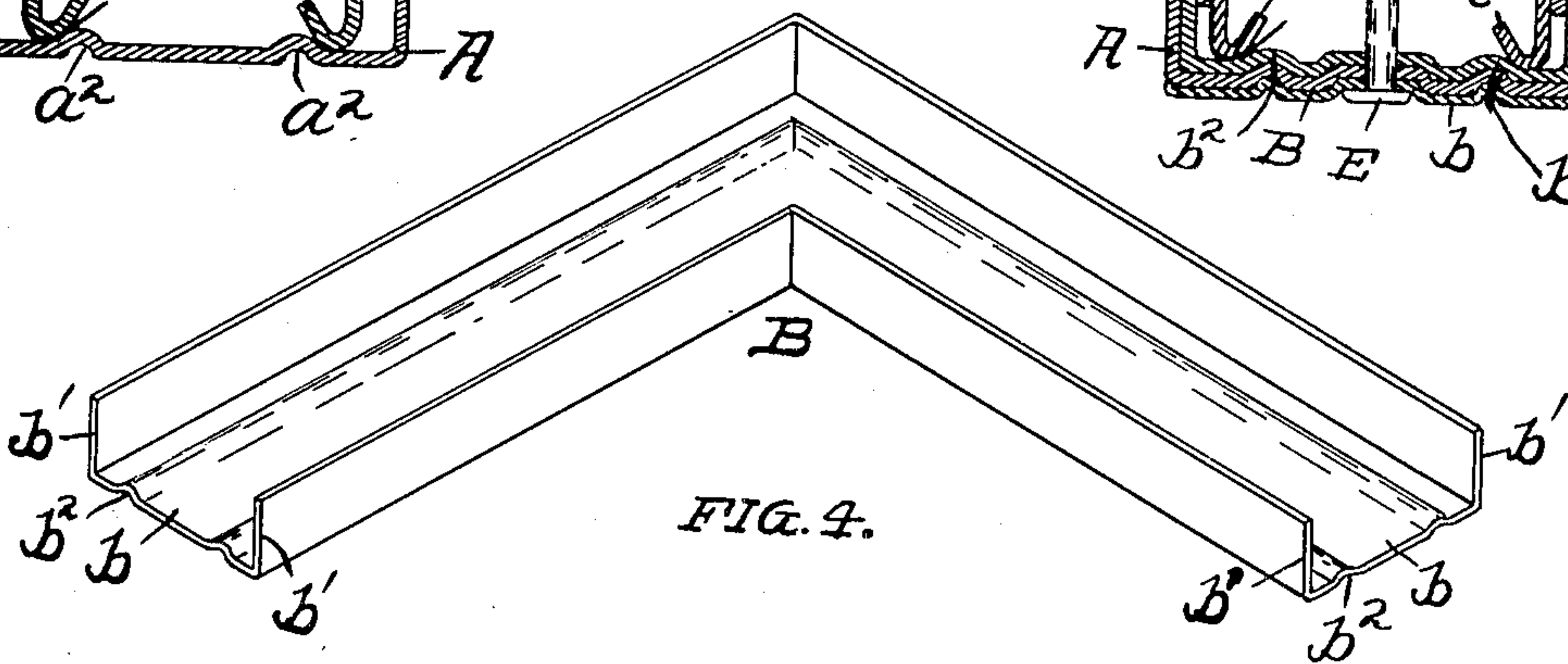
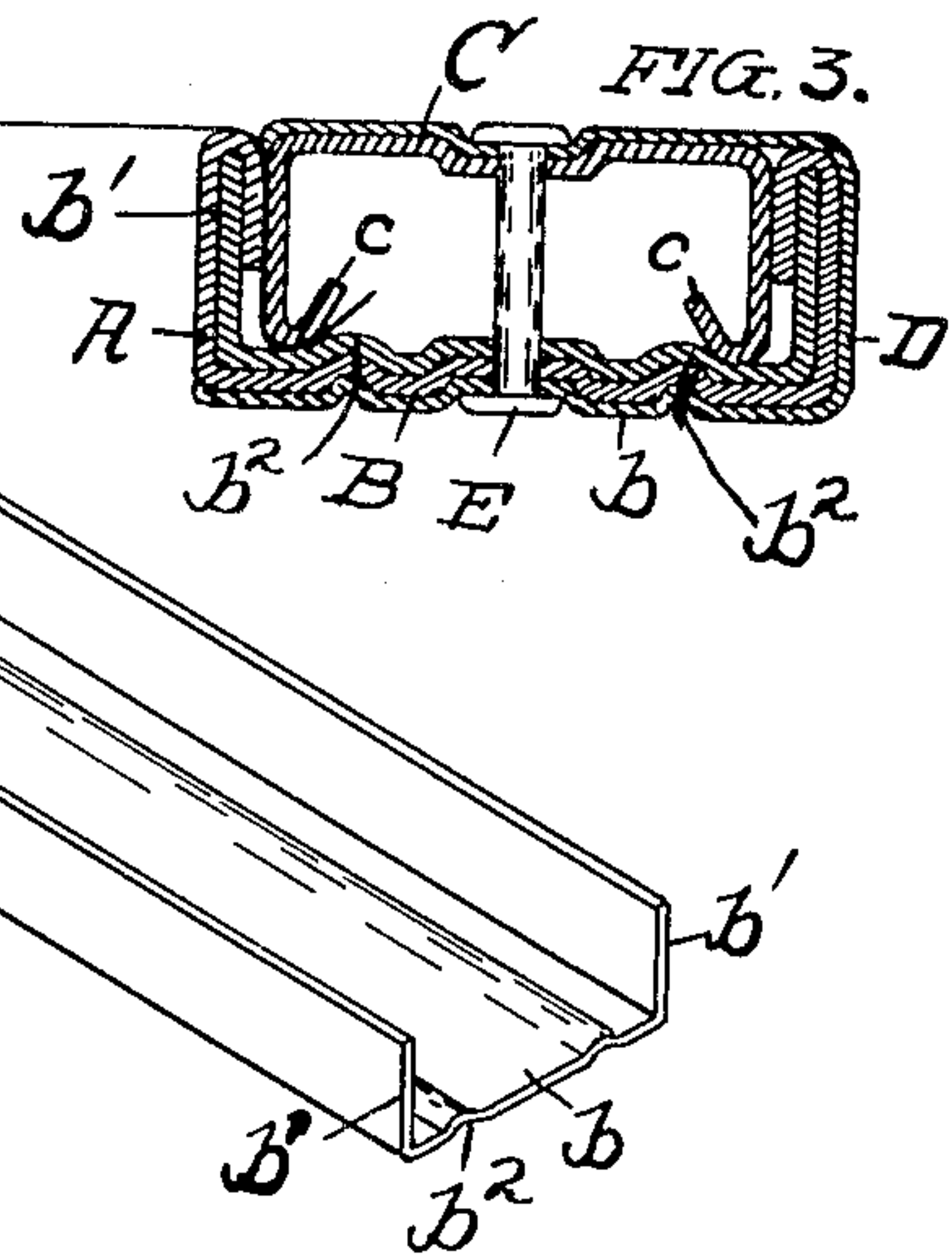
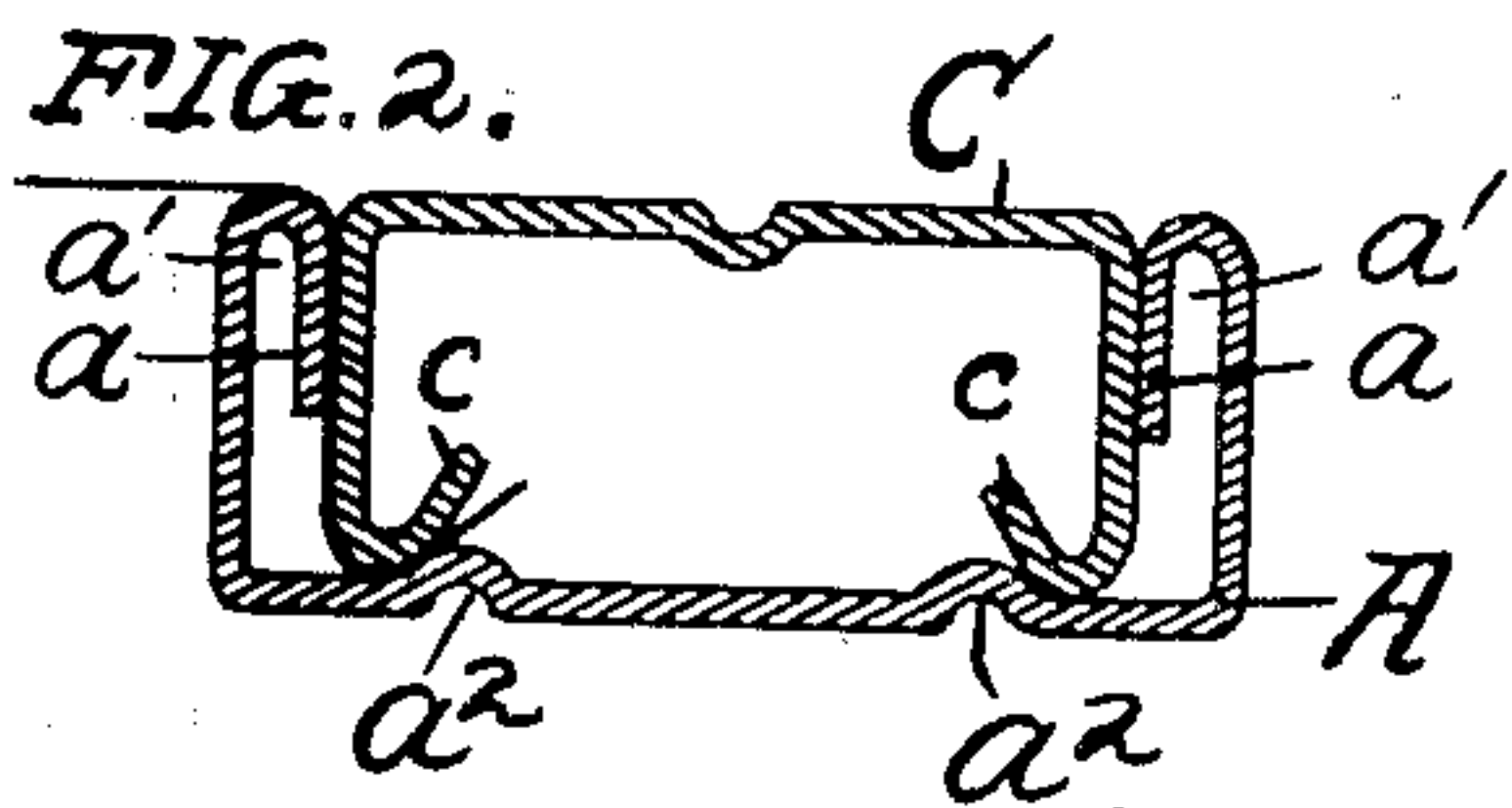
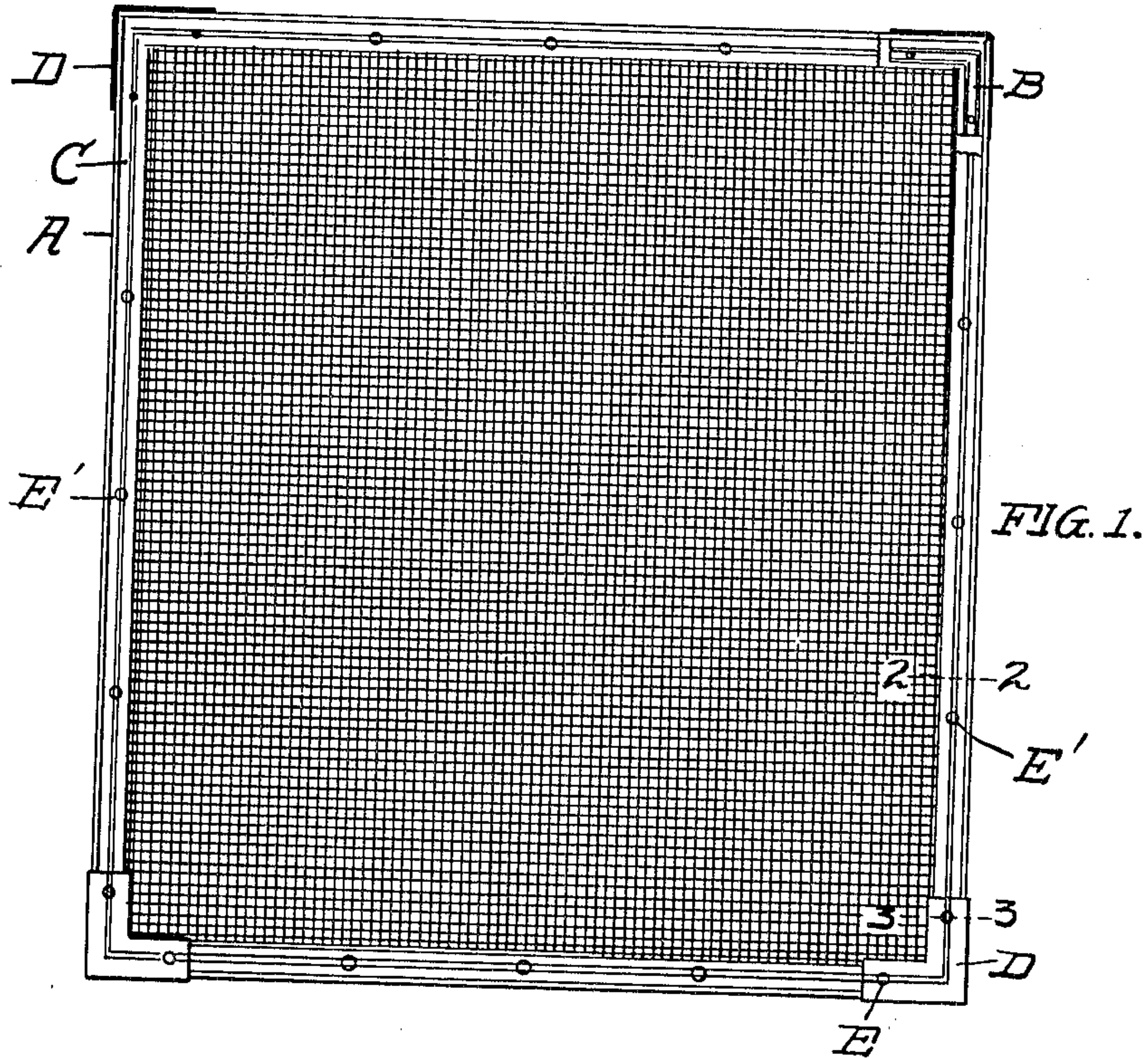


No. 871,754.

PATENTED NOV. 19, 1907.

E. FEIGHERY.
WINDOW SCREEN.
APPLICATION FILED DEC. 21, 1906.



WITNESSES:

Arthur L. Betts.
Olive Sprau

INVENTOR.
Eugene Feighery
BY
Brayton G. Richards
ATTORNEY.

UNITED STATES PATENT OFFICE.

EUGENE FEIGHERY, OF NEWPORT, KENTUCKY.

WINDOW-SCREEN.

No. 871,754.

Specification of Letters Patent.

Patented Nov. 19, 1907.

Original application filed June 25, 1906, Serial No. 323,274. Divided and this application filed December 21, 1906. Serial No. 348,933.

To all whom it may concern:

Be it known that I, EUGENE FEIGHERY, a citizen of the United States, and residing at Newport, county of Campbell, State of Kentucky, have invented certain new and useful Improvements in Window-Screens, of which the following is a specification.

The object of my invention is to provide a window screen of improved construction, and my invention consists in the combination and arrangement of parts hereinafter described and claimed.

In the drawings Figure 1 is a side view of a screen embodying my invention; Fig. 2, an enlarged section on line 2—2 of Fig. 1; Fig. 3, an enlarged section on line 3—3 of Fig. 1; and Fig. 4, a perspective view of the corner brace.

In the preferred construction the frame of the screen is formed of four metallic channel pieces A mitered to fit together in rectangular form. These channels are considerably wider than they are deep and have their sides a turned inwardly to form spaces a' between the sides of the channels and their inturned edges. Corner braces B fit within channels A at the corners and serve to stiffen the frame. Corner braces B consist of the angular plate b shaped to fit the contour of the backs of channel pieces A at the corners and are provided with continuous flanges b' adapted to fit into spaces a' . Locking pieces C are formed of metallic channel pieces adapted to slip within the pieces A and mitered at the corners to fit together in rectangular form. The edges of locking pieces C are also turned inwardly and provided with lips c adapted to engage with ribs a^2 in the back of channel A. Corner pieces D fit over the pieces A and B at the corners and serve to cover the mitered joint and further secure the frame.

In constructing the frame, pieces A are slipped on to corner braces B with the flanges b' taking into spaces a' , thus forming a rectangular frame. Then the wire cloth is stretched into place by pressing the locking pieces C into the pieces A. It will be seen that by this procedure the cloth will be drawn down into channels A and its inner edges turned up against ribs a^2 and secured by contact between lips c and said ribs, thus stretching the cloth and securely locking it in position. At the corners the securing contact of lips c will be with rib b^2 in locking piece B. The frame is then secured to-

gether by placing corner pieces D over the corners and securing rivets E through all the parts on each side of the corner. During the riveting the spaces around the rivet holes are preferably countersunk to secure the parts as shown in Fig. 3. Additional rivets e' are passed through pieces A and C between the corners at suitable intervals depending upon the size of the screen, and suitable lips and channel springs may be provided as desired.

While I have illustrated and described the preferred construction of carrying my invention into effect, this is capable of modification without departing from the spirit of the invention. Therefore, I do not wish to be limited to the exact construction shown in the drawings, but

What I claim as new and desire to secure by Letters Patent is:

1. In a window screen, the combination of frame pieces consisting of a metallic strip provided with upturned edges forming a channel; wire securing pieces consisting of a metallic strip having upturned edges forming a channel, adapted to enter the frame and draw the wire cloth therein; a rib in the back of the channel adapted to contact with an edge of the locking piece to turn the edge of the wire cloth up over the edge of the locking piece; and means for securing the wire securing pieces in the frame channels, substantially as specified.

2. In a window screen, the combination of frame pieces consisting of a metallic strip provided with upturned edges forming a channel; wire securing pieces consisting of a metallic strip having upturned edges forming a channel, adapted to enter the frame and draw the wire cloth therein; a rib in the back of the channel adapted to contact with the inner edge of the locking piece to turn the edge of the wire cloth up over the edge of the locking piece; and means for securing the wire securing pieces in the frame channels, substantially as specified.

3. In a window screen, the combination of a channel frame piece A having a rib a^2 ; a wire securing piece C having an inturned edge provided with a lip c adapted to engage rib a^2 ; and means for securing piece C in piece A, substantially as specified.

4. In a window screen, the combination of channel frame pieces A having inturned edges a forming spaces a' ; rib a^2 in the backs of pieces A; corner braces consisting of an

angular plate having flanges adapted to enter spaces a' ; wire securing pieces C having inturned edges provided with lips c adapted to engage ribs a^2 ; and means for
5 securing pieces C in pieces A, substantially as specified.

5. In a window screen, the combination of channel frame pieces A having inturned edges a forming spaces a' ; ribs a^2 in the
10 backs of pieces A; corner braces consisting of an angular plate having continuous flanges adapted to enter spaces a' ; wire securing pieces C having inturned edges provided with lips c adapted to engage ribs
15 a^2 ; and means for securing pieces C in pieces A; substantially as specified.

6. In a window screen the combination of channel frame pieces A having inturned edges a forming spaces a' ; ribs a^2 in the back of pieces A; corner braces B consisting of
20 an angular plate b provided with continuous flanges b' adapted to enter spaces a' ; wire securing pieces C having inturned edges provided with lips c adapted to engage ribs a^2 ; and counter sunk rivets E and E' for secur-
25 ing pieces C in pieces A, substantially as specified.

EUGENE FEIGHERY.

Witnesses:

ARTHUR L. BETTS,
BRAYTON G. RICHARDS.