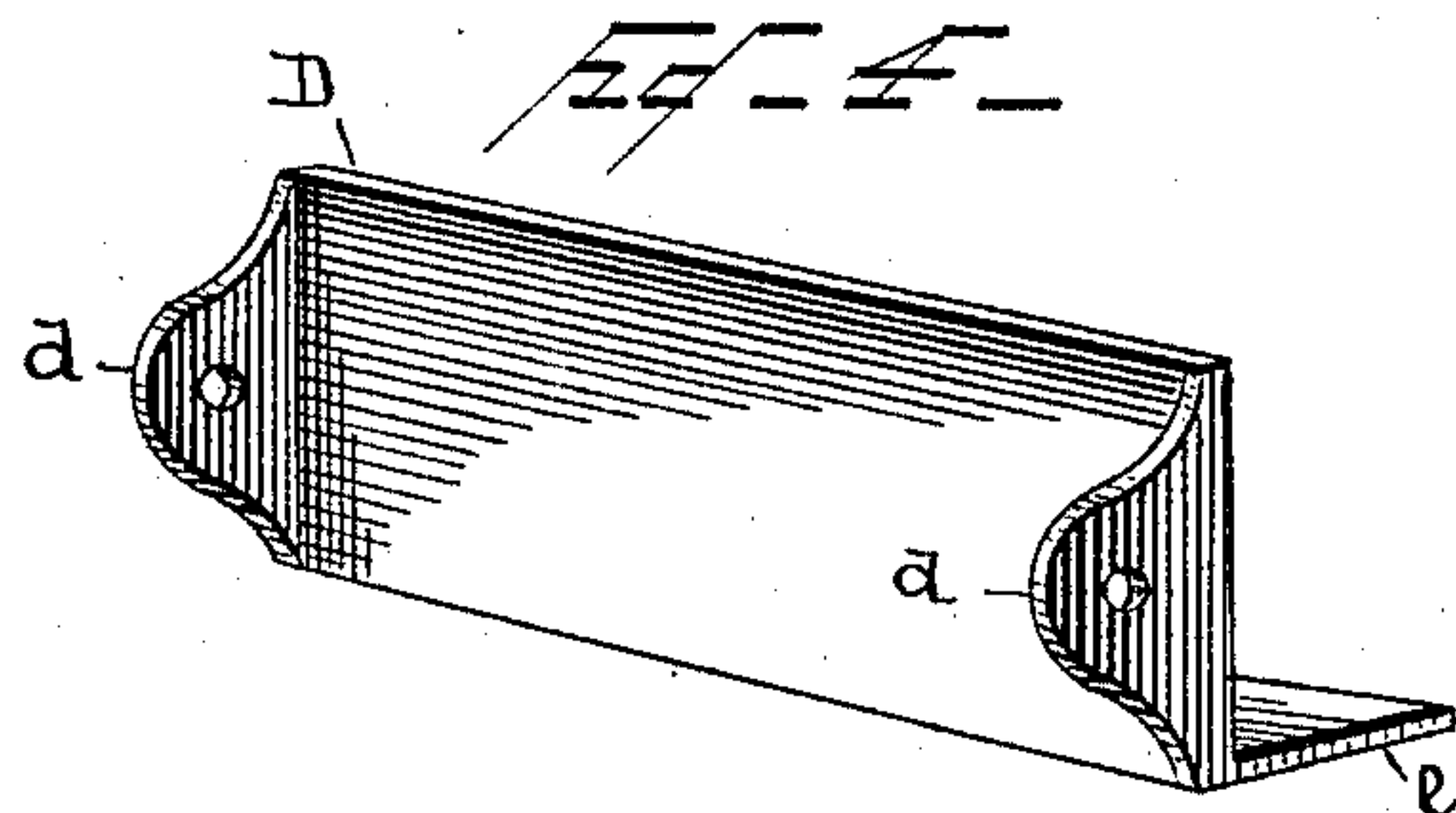
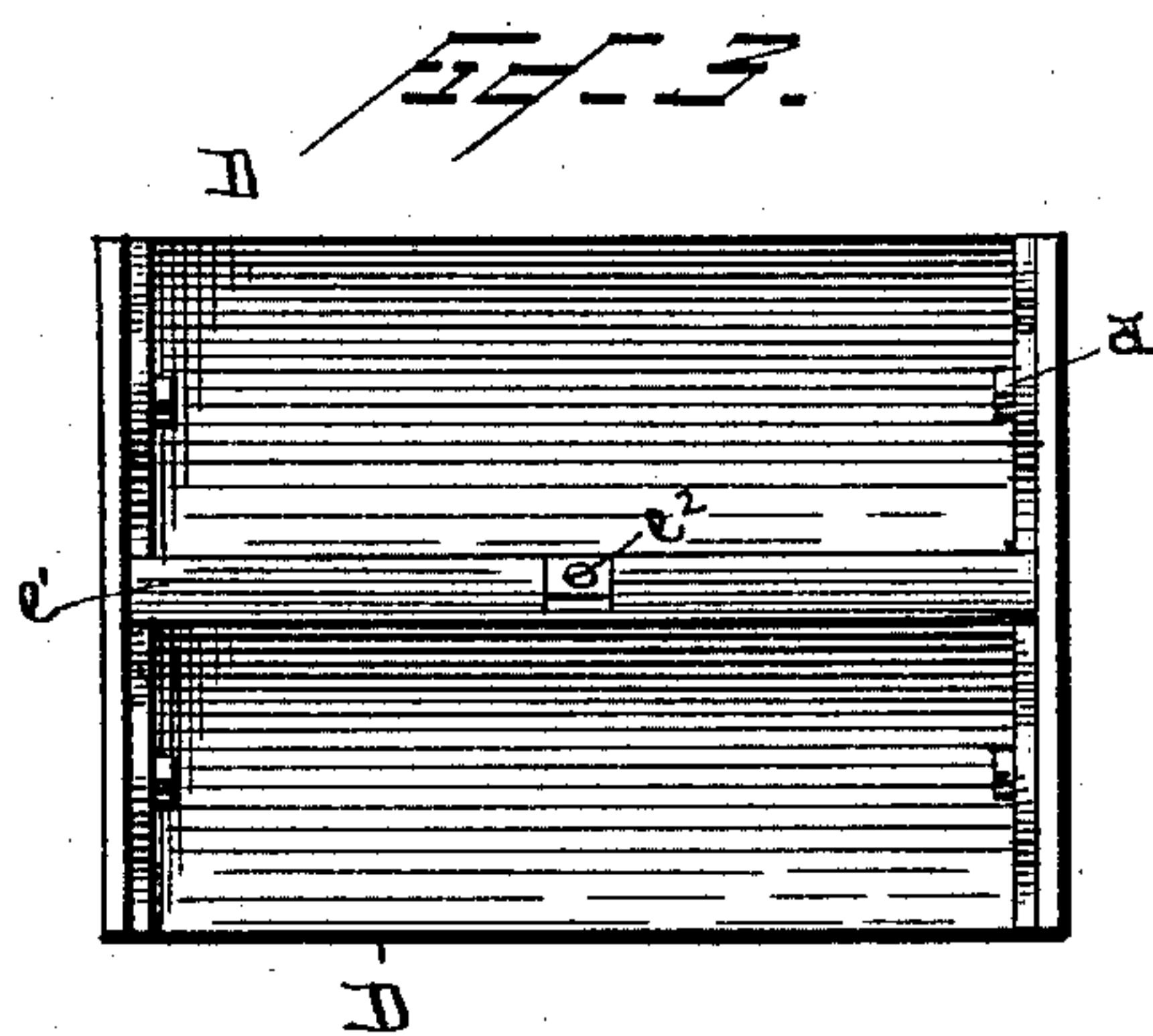
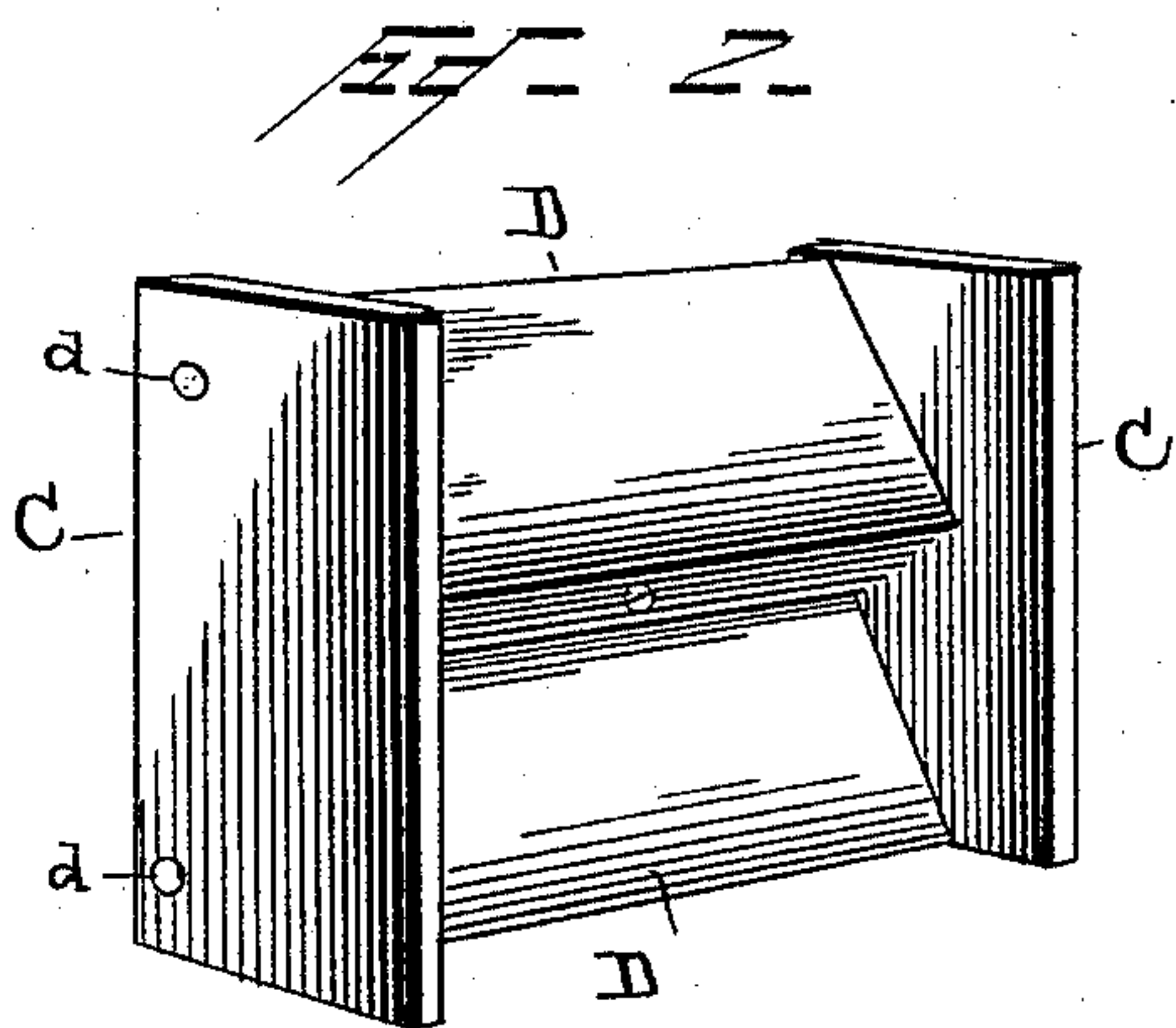
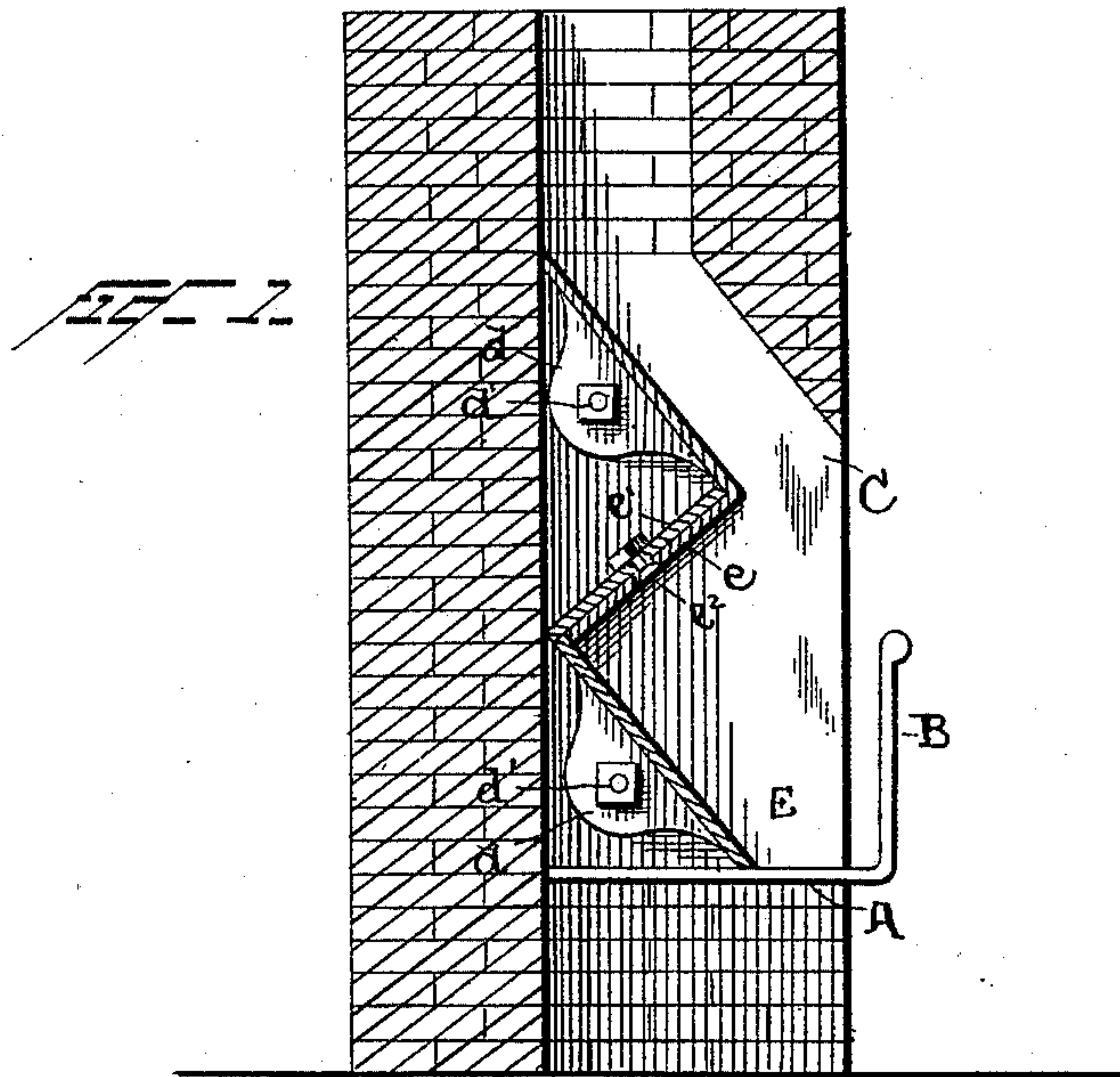


(No Model.)

D. FARMER.
FIRE PLACE BACK.

No. 395,697.

Patented Jan. 8, 1889.



WITNESSES.

Horis L. Clark
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INVENTOR

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UNITED STATES PATENT OFFICE.

DAVID FARMER, OF PIEDMONT, OHIO.

FIRE-PLACE BACK.

SPECIFICATION forming part of Letters Patent No. 395,697, dated January 8, 1889.

Application filed March 7, 1888. Serial No. 266,405. (No model.)

To all whom it may concern:

Be it known that I, DAVID FARMER, a citizen of the United States, residing at Piedmont, in the county of Harrison and State of Ohio, have invented certain new and useful Improvements in Fire-Place Backs; and I do declare the following to be a full, clear, and exact description of the invention, such as it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to fire-place backs, and has for its object the production of a fire-place back that can be quickly set up, and which is readily accessible for repairs, the parts being detachable.

The improvement consists in a back composed of end pieces and cross-pieces, which have lugs at each end, through which bolts pass to secure the end and cross pieces together. The cross-pieces are set obliquely, and have overlapping flanges, which are bolted together.

The improvement further consists of the details of construction and peculiar combination of parts, which hereinafter will be more fully described and claimed, and shown in the annexed drawings, in which—

Figure 1 is a vertical section of a fire-place showing my improvement; Fig. 2, a perspective view of the fire-place back; Fig. 3, a rear view of the back, and Fig. 4 a rear perspective view of a cross-bar.

The bottom grate, A, and the front grate, B, of the fire-place are of usual construction and arrangement.

The fire-place back and end walls embody the gist of the invention.

The fire-place back is composed of end walls, C, and cross-pieces D, which have lugs *d* at

each end, through which bolts *d'* pass to secure the cross-pieces and the end walls, C, together. The cross-pieces C are set obliquely, and the lower edge of one is provided with a flange, *e*, which overlaps a corresponding flange, *e'*, on the upper edge of the next cross-piece, the two cross-pieces being held together by a bolt, *e²*, passing through the two flanges *e* and *e'*. The end walls, C, and the cross-pieces D are bolted together, as hereinbefore set forth, and form the fire-back, which is placed on the top of the grate A, and the end walls resting on the ends of A and the lower edge of the cross-piece resting on the rear edge of the said grate A. The flanges are sufficiently wide to form a projecting ledge directly over the fire-pot E, and the upper cross-piece inclines rearwardly to form a wall for the draft-flue up the chimney.

The parts C and D may be of any appropriate material suitable for the purpose; but it is preferred to make them of cast metal because of its durability, and the parts will not occupy a very great amount of room.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination, with the fire-place, of the end walls, C, resting on the grate, and the cross-pieces D, having end lugs, by which they are bolted to the end walls, and having overlapping flanges *e* and *e'*, which are bolted together and form a projecting ledge over the fire-pot, the upper cross-piece extending part way up the chimney to form a wall for the draft-flue, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

DAVID FARMER.

Witnesses:

J. W. MOORE,

GEO. H. COLLINS.