

(No Model.)

R. T. BROWN.

FASTENING WIRE LATHING TO IRON FRAMES OF BUILDINGS.

No. 245,992.

Patented Aug. 23, 1881.

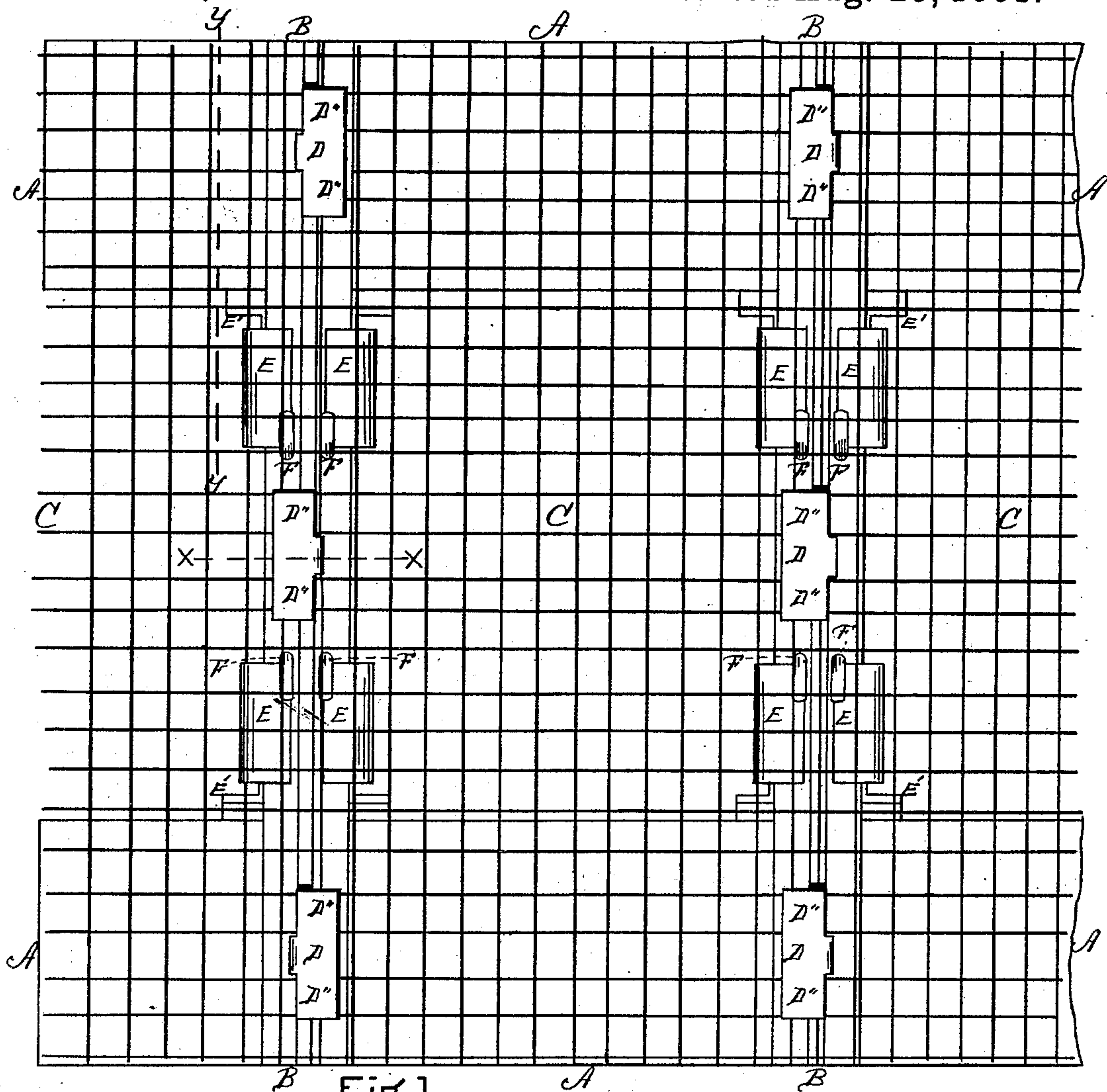


Fig. 1.

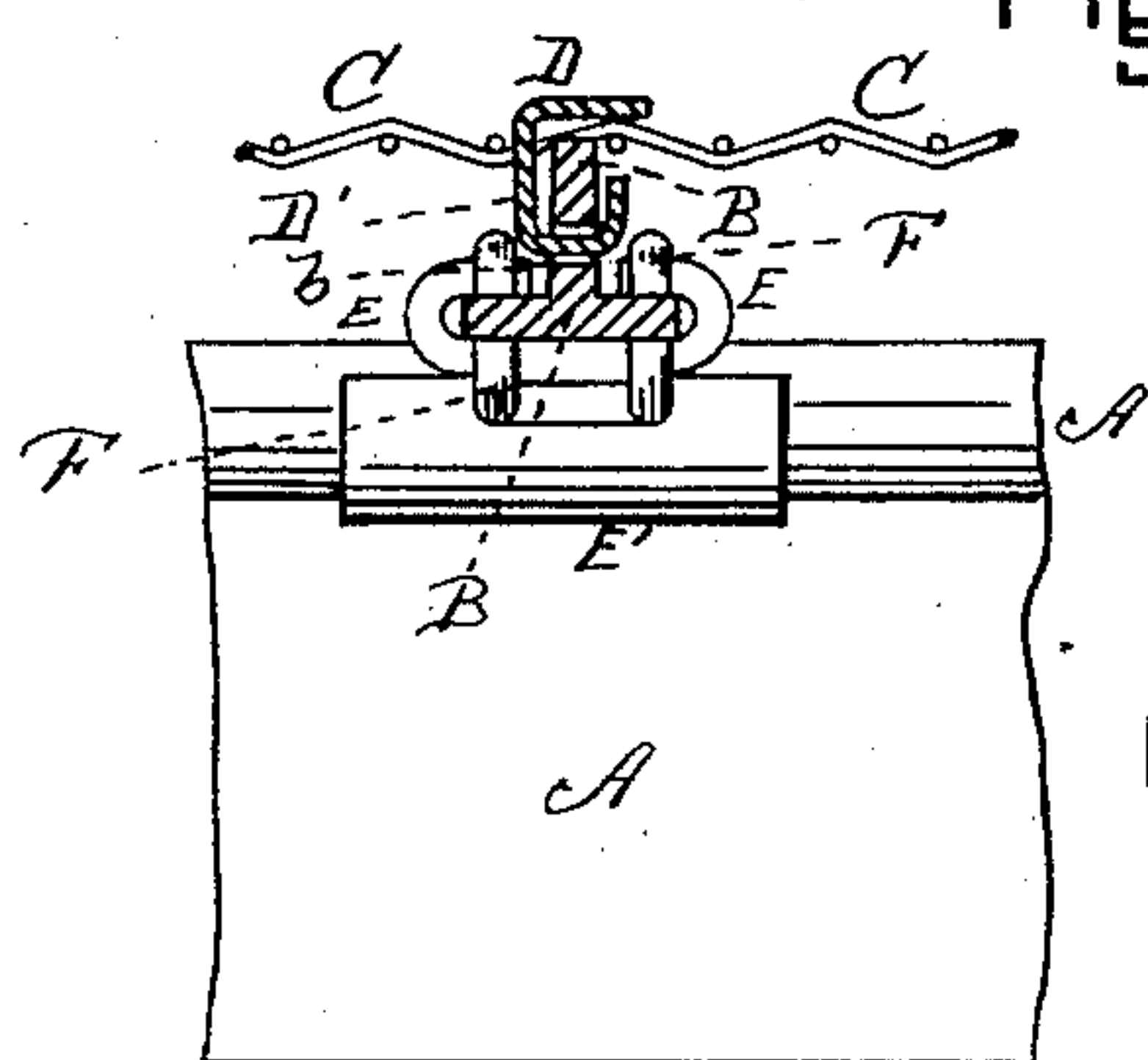


Fig. 2.

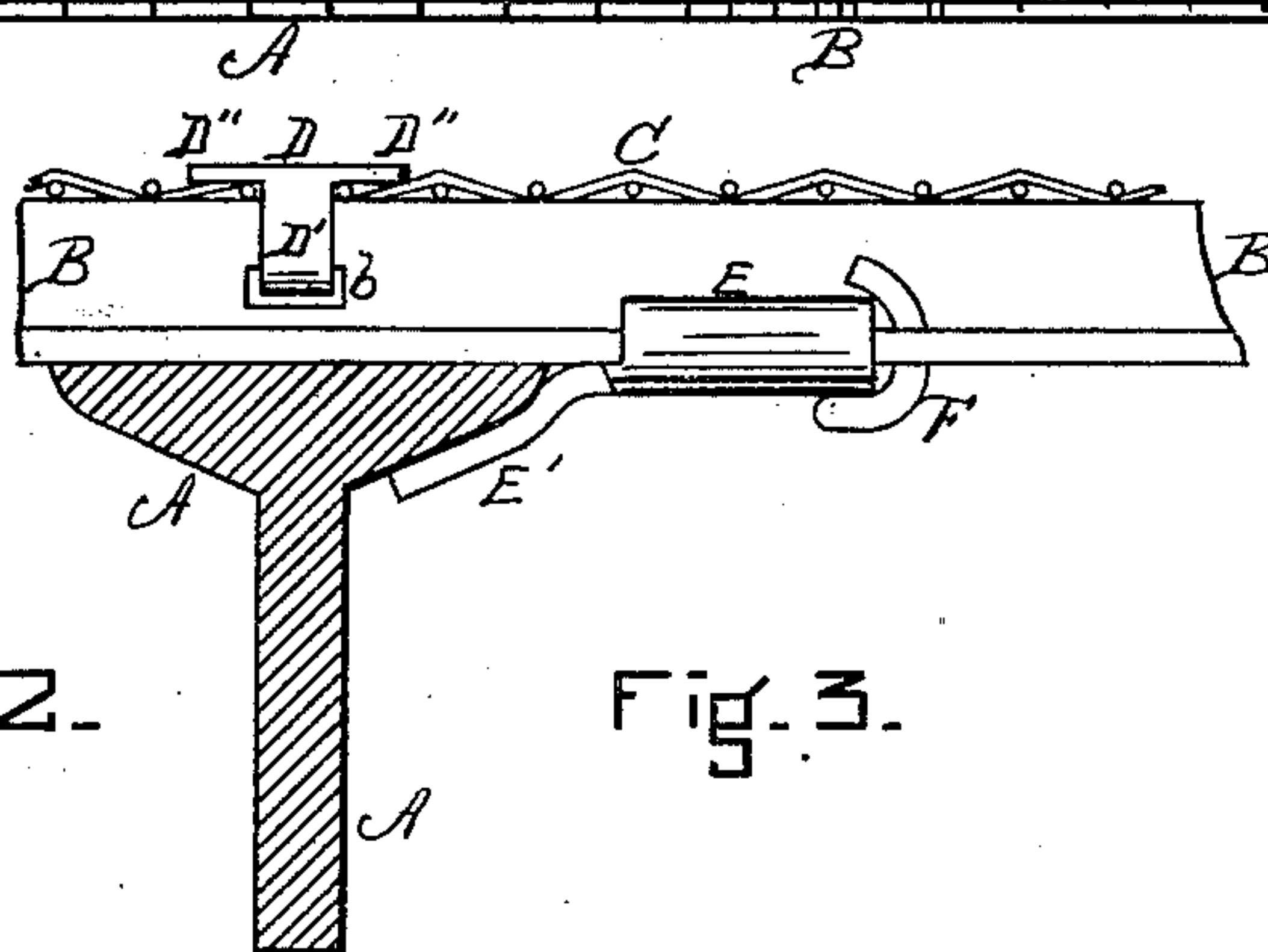


Fig. 3.

WITNESSES

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INVENTOR

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ROBERT T. BROWN, OF BOSTON, MASSACHUSETTS.

FASTENING WIRE LATHING TO IRON FRAMES OF BUILDINGS.

SPECIFICATION forming part of Letters Patent No. 245,992, dated August 23, 1881.

Application filed July 5, 1881. (No model.)

To all whom it may concern:

Be it known that I, ROBERT T. BROWN, of Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful
5 Improvements in Applying Wire Lathing to Iron Frames of Buildings and other Structures, of which the following is a specification.

In the accompanying drawings, in which similar letters of reference indicate like parts,
10 Figure 1 is a plan view, representing beams and furring having wire cloth or lathing applied in the manner below described. Fig. 2 is a section upon line *x x*, Fig. 1. Fig. 3 is a section upon line *y y*, Fig. 1.

15 A represents the beams, two of which are shown in Fig. 1; B, the iron furring, two being shown in Fig. 1; and C the wire lathing or cloth. Both the beams and furring are of iron, as the invention is for application to fire-proof
20 structures.

To secure the wire lathing to the furring I employ flat T-shaped pieces of metal, D, preferably of malleable or wrought iron. The part D' of each tie or hanger D passes down through
25 the wire lathing and, bending, extends through an opening, *b*, in the furring B, and the wings D'' extend far enough each way in the line of direction of the furring to cover two or more strands of wire. Thus the wire lathing is firmly
30 locked to the furring without bending the lathing or making undue projections or protuberances thereupon.

To secure the furring B to the beams A, I employ the strong metallic hangers E E', preferably of wrought or malleable iron. These

hangers are flat pieces of metal bent as shown.

The parts E bend around the edges of the furring B, as shown in Figs. 1 and 2, and the parts E' bend over upon one side of the beams A, corresponding to their shape, as shown in Fig. 3. 40

In order to prevent the hangers E E' from slipping upon the furring B, catches or stops F are passed through suitable perforations in the furring, near the said hangers, and are usually bent down upon the portions E there
45 of, thus holding them securely in position.

Thus the beams, furring, and wire lathing are held firmly together, rendering the structure fire-proof, and the wire lathing forming an excellent surface for the plaster. 50

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

1. In combination with the wire lathing C and furring B, the latter provided with the
55 openings *b*, the ties or hangers D D' D'', constructed substantially as and for the purpose set forth.

2. In combination with the furring B and beams A, the hangers E E', constructed substantially as and for the purpose described. 60

3. In combination with the beams A and perforated furring B, the hangers E E' and catches or stops F, all constructed and arranged substantially as and for the purpose
65 specified.

ROBERT T. BROWN.

Witnesses:

HENRY W. WILLIAMS,
EDWARD MENARD.