(No Model.)

E. J. BRACKEN.

LATH ATTACHMENT.

No. 332,481. Patented Dec. 15, 1885.

Fig. 1

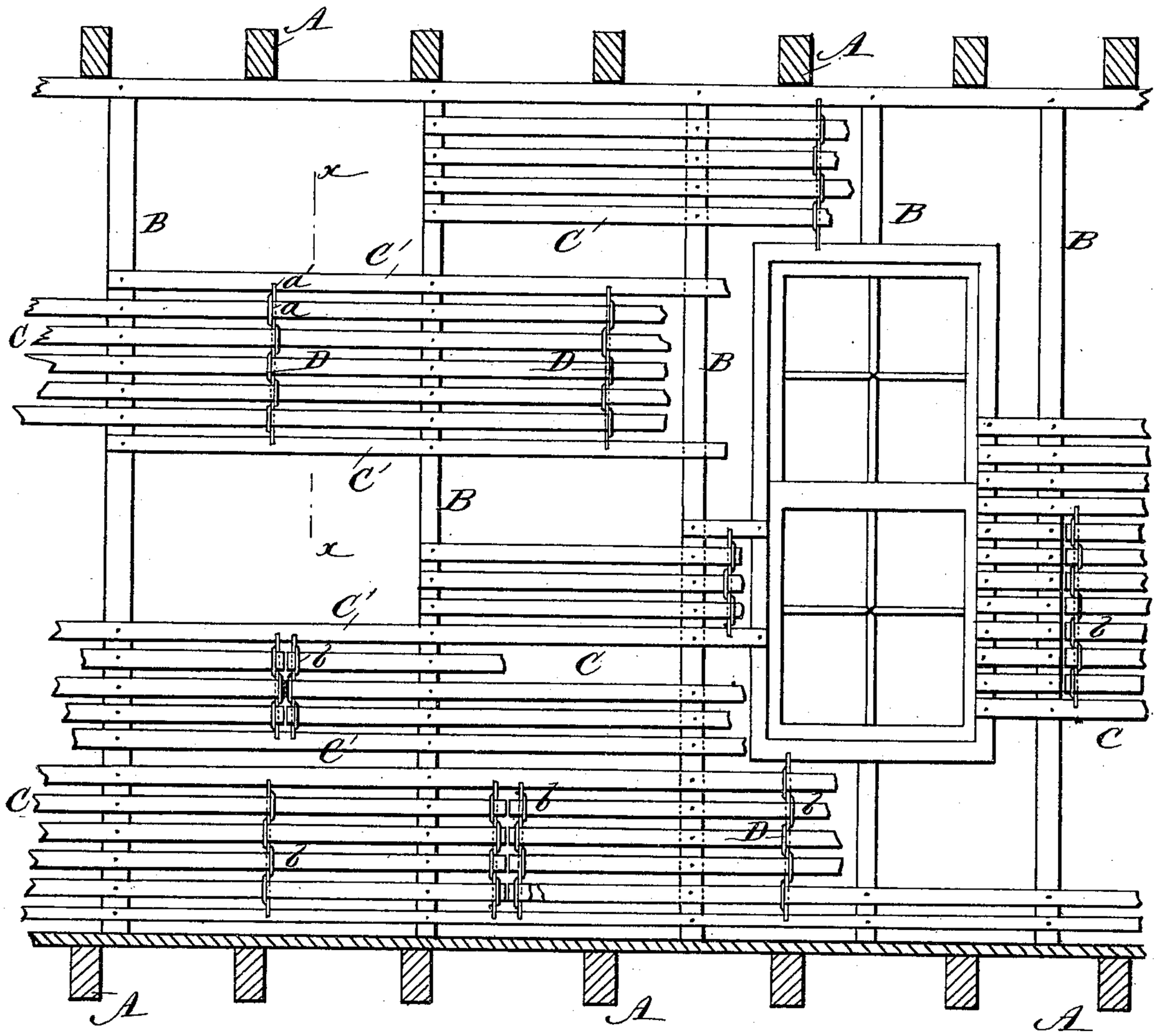


Fig. 2

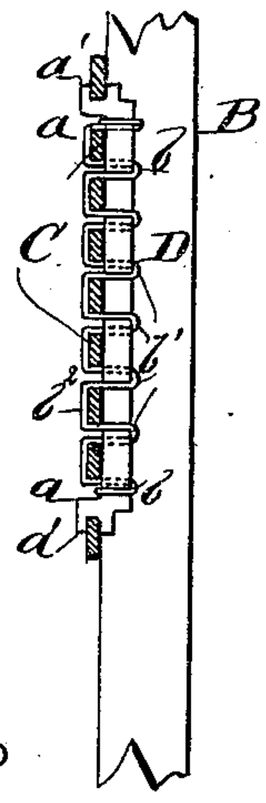


Fig. 3

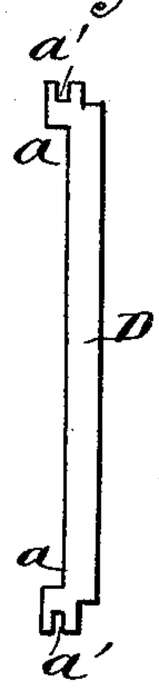


Fig. 5

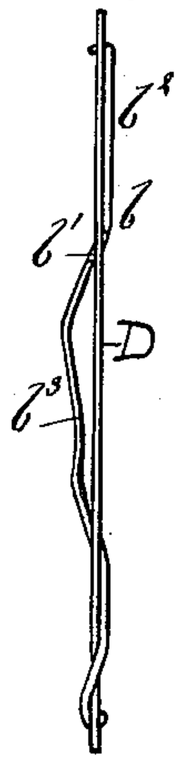
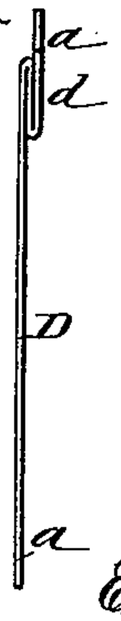


Fig. 4



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EDWARD J. BRACKEN, OF COLUMBUS, OHIO.

LATH ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 332,481, dated December 15, 1885.

Application filed September 25, 1885. Serial No. 178,151. (No model.)

To all whom it may concern:

Be it known that I, EDWARD JOHN BRACKEN, of Columbus, in the county of Franklin and State of Ohio, have invented a new and Improved Lath Attachment, of which the following is a full, clear, and exact description.

My invention consists of a device to be attached to lath for stiffening the lathing or joining the ends of the lath, whereby the necessity of uniformity in spacing the joists of a building is avoided, and whereby, also, the necessity of cutting the lath of uniform or of regular lengths is avoided.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of a part of the joists of a building partly lathed, showing the method of using my invention. Fig. 2 is a detailed sectional elevation on line x x of Fig. 1. Fig. 3 is a side view of one of the stiffening or fastening devices. Fig. 4 is an edge view of the same folded to shorten it, and Fig. 5 is an edge view showing the method of tightening the wire.

A A represent the floor and ceiling timbers; B, the joist; C C′, the lath, and D represents the stiffening or fastening attachment for the lath. The lath may be of irregular lengths, and the timbers and joist A B may be irregularly spaced, as the circumstances or construction of the building may require. The stiffening or fastening device D is made preferably of a plate of metal offset at a a, and notched at its ends, as at a' a', to receive the edge of a lath. The device D is placed at the back of the lathing and lashed thereto, preferably by a wire, b, looped or passed around each lath and around the device D, to hold it firmly against the back of the lathing, as shown clearly in Fig. 2.

The plate D is used as a "stiffening" device for the lath between joists that are of unusual distance apart, and as a "lath-fastening" device where the ends of the lath come between joists. When used for the latter purpose, it is always used in connection with two pieces of lath, C′, that reach from joist to joist, and these pieces C′ of lath will be placed in the notches a' a' and nailed to the joists, so that they act to stay the device D, so that the ends of the lath lashed to it will be firmly fastened by the plate or device D. When used to stiffen lath, it will be used also in connection with two pieces of lath that fit in notches a', so that the lashing of the device D to the lath binds several lath-pieces together, and thus stiffens the whole lathing. The offsets a fit between the lath, so that the slots a' come in the same plane with the edge of the lath, as shown clearly in Fig. 2.

The plate D is by preference made of sheet metal, so it can be easily folded, as shown at d, for shortening the plate for applying it to a greater or less number of lath, as circumstances may require.

In case heavy wire b is used to hold the lath, it will be bent to form two series of loops, b' b^2, to pass around the lath and the plate D, as shown clearly in Fig. 2, and when such heavy wire is used, in order to tighten it after the lath has been put in place, it will be bent laterally away from the plate D, as shown at b^3, Fig. 5, to draw up the slack.

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

1. The combination, with several laths, of a fastening or stiffening device attached at its ends to two of the lath and lashed to the intermediate lath, substantially as and for the purposes set forth.

2. The lath fastening or stiffening device D, offset at a and notched at its ends, substantially as described.

3. The wire b, bent to form double series of loops b' b^2, in combination with the lath C and stiffening or fastening plate D, the wire being adapted to be bent at the face of the lath for taking up the slack, substantially as described.

EDWARD J. BRACKEN.

Witnesses:

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