

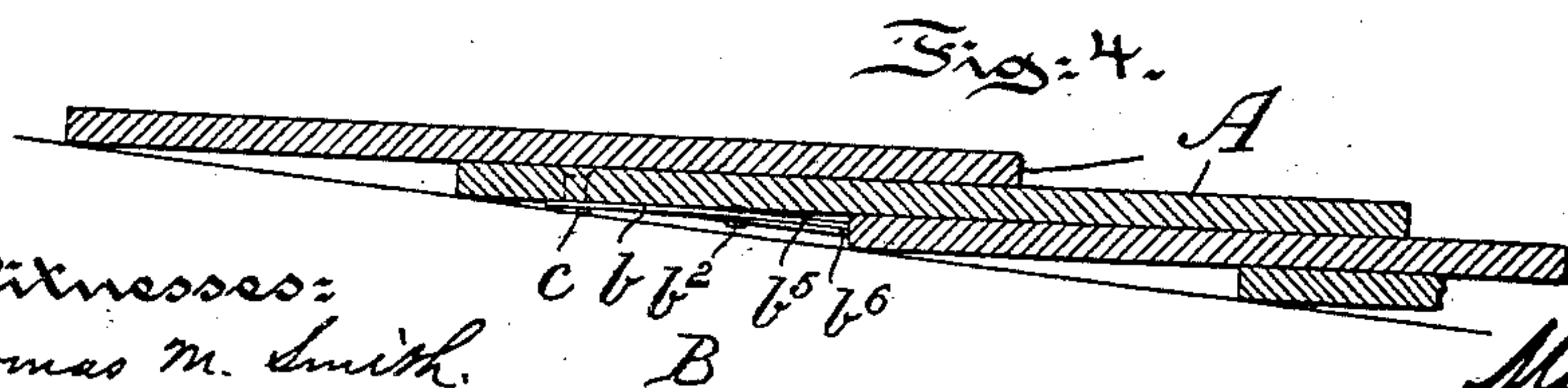
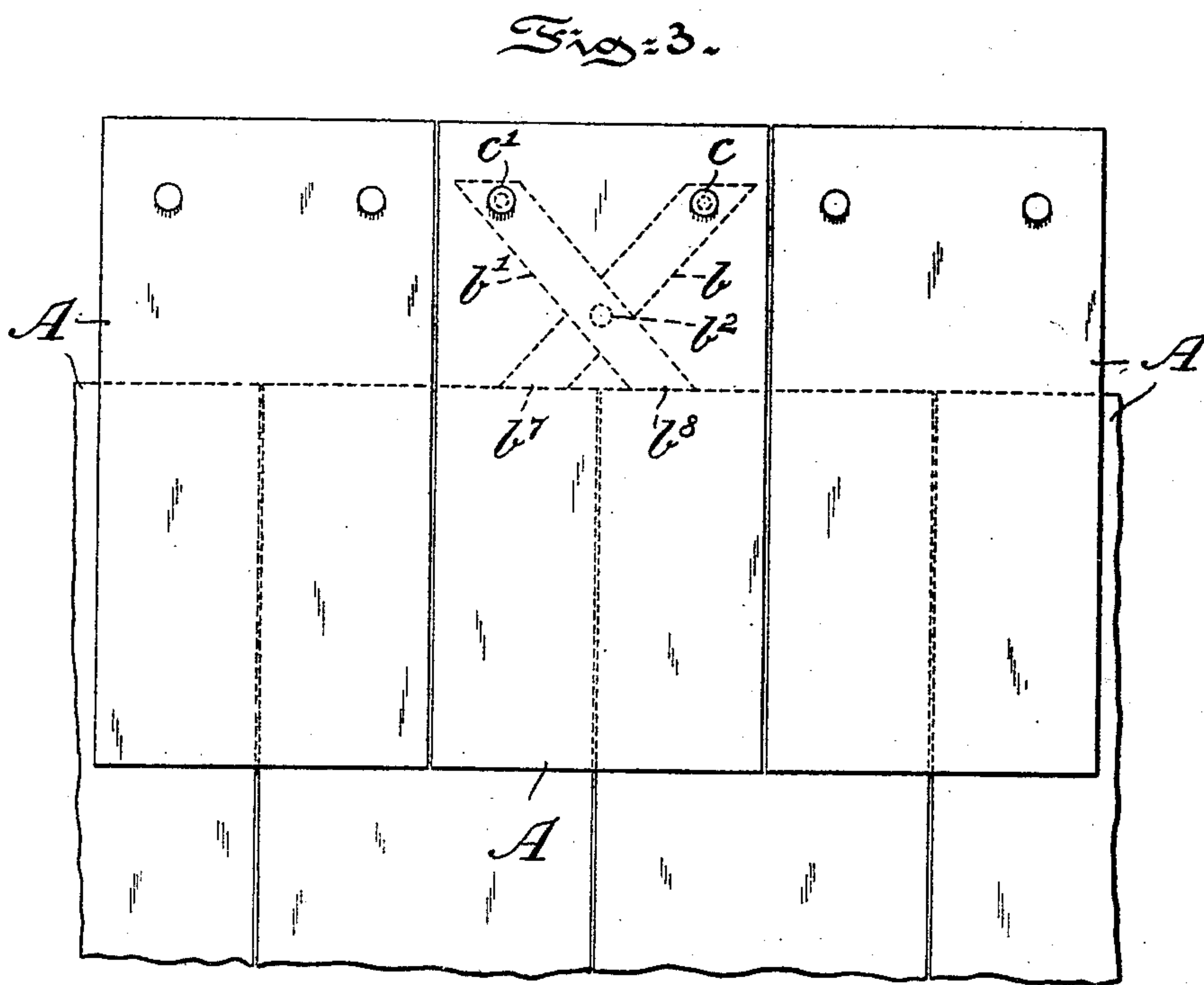
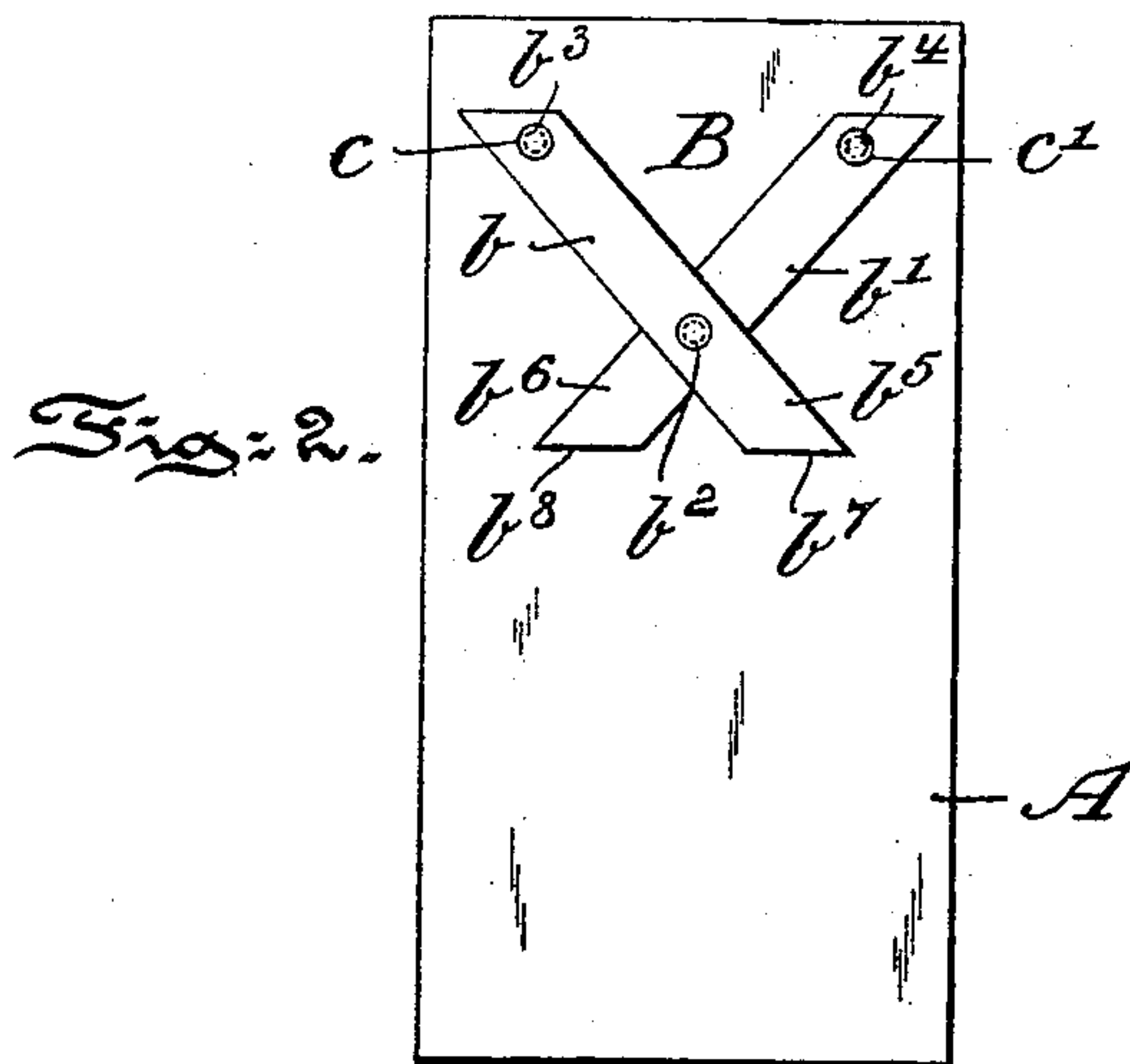
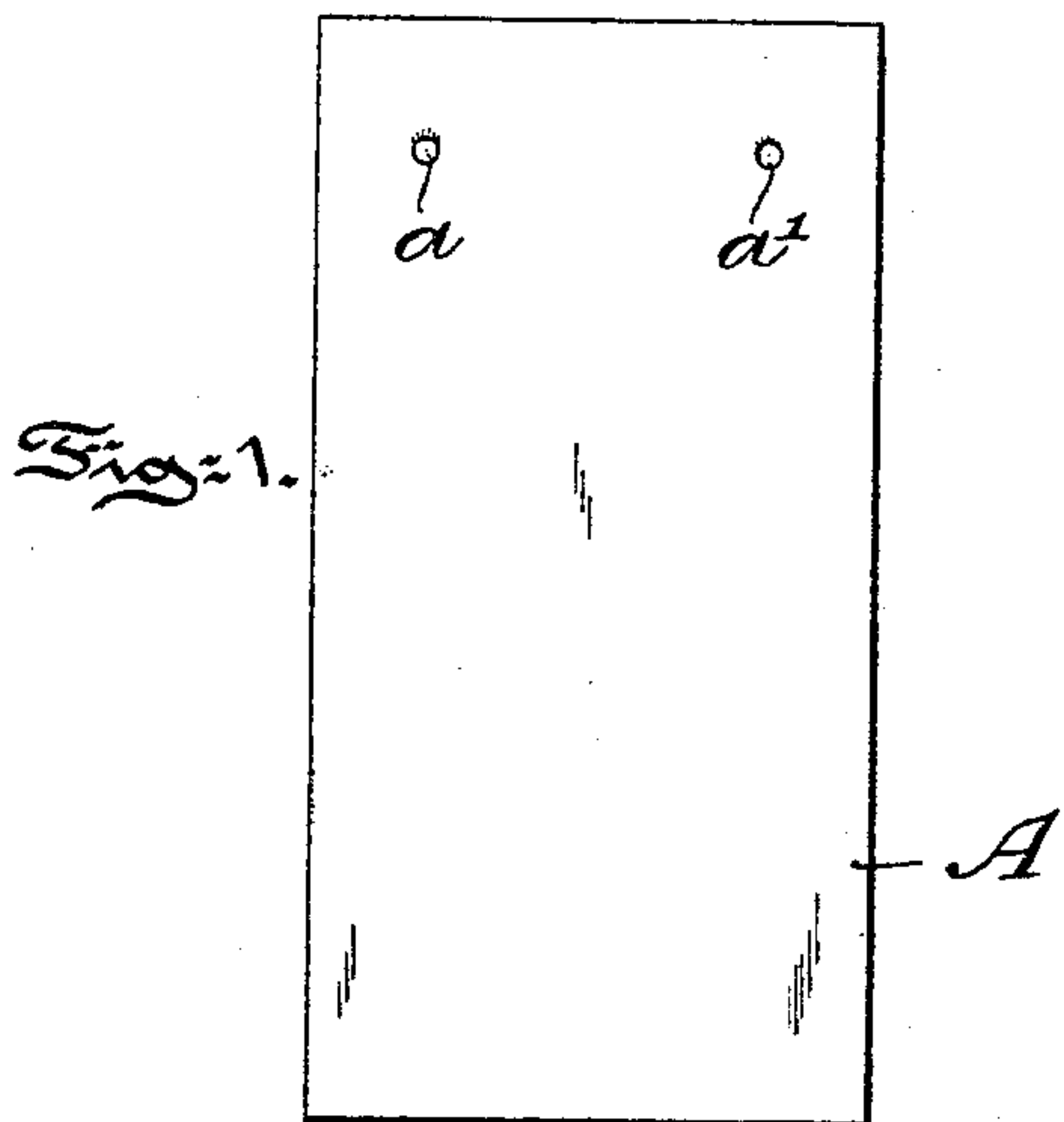
No. 625,509.

Patented May 23, 1899.

M. A. JACKSON.  
ROOFING TILE OR SLATE FASTENING.

(Application filed Sept. 8, 1898.)

(No Model.)



Witnesses:  
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# UNITED STATES PATENT OFFICE.

MARK A. JACKSON, OF PHILADELPHIA, PENNSYLVANIA.

## ROOFING TILE OR SLATE FASTENING.

SPECIFICATION forming part of Letters Patent No. 625,509, dated May 23, 1899.

Application filed September 8, 1898. Serial No. 690,459. (No model.)

*To all whom it may concern:*

Be it known that I, MARK A. JACKSON, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Roofing Tile or Slate Fastenings, of which the following is a specification.

My invention has relation to roofing tiles or slates, and more particularly to specific fastening means to be applied to the same whereby a tile or slate roof may be readily repaired in instances where here and there a tile or slate is displaced to avoid removal of several courses of the roof to make such repairs thereto.

The principal object of my present invention is to provide a simple and efficient fastening means for a slate or tile whereby the tile or slate therewith may be readily inserted to place and secured thereby to portions or edges of the slates or tiles in position in repairing expeditiously such a roof without removing courses of the tiles or slates of the roof in making such repairs and when inserted the tiles or slates having with respect to each other as a whole a symmetrical appearance.

My invention, stated in general terms, consists of a roofing tile or slate fastening when constructed and applied in substantially the manner hereinafter described and claimed.

The nature and characteristic features of my present invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, in which—

Figure 1 is a plan view of an ordinary vitrified tile or a slate in one portion perforated so as to secure the fastening means of my present invention to the same. Fig. 2 is a similar view of a tile or slate with the fastening device of the particular shape or configuration of my present invention in application thereto. Fig. 3 is a similar view of a series of courses of tiles or slates in position to constitute a roof-covering with my said fastening means in dotted lines in application to one of the tiles or slates, showing the manner of the engagement of the free ends or edges of the same with adjacent tiles or slates of the tile or slate roof-covering; and Fig. 4 is a ver-

tical sectional view through a series of tiles or slates with a fastening device of my said invention secured to one of the tiles or slates and held in contact with adjacent tiles or slates of the courses constituting the tile or slate roof-covering.

Referring to the drawings, A represents a tile or slate of the ordinary shingle pattern, having holes or perforations *a* and *a'* provided therein for the reception of the rivets or bolts of the fastening device B. This device consists of the two members *b* and *b'*, crossing each other preferably beyond the middle of their lengths and pivoted at *b*<sup>2</sup> and at the upper ends perforated at *b*<sup>3</sup> and *b*<sup>4</sup> for attaching to the tile or slate A by means of the bolts or rivets *c* and *c'*, with the shorter free end portions *b*<sup>5</sup> and *b*<sup>6</sup> of the fastening device provided with beveled edges *b*<sup>7</sup> and *b*<sup>8</sup> to snugly engage the edges or surfaces of the tiles or slates of the courses in position, as clearly illustrated in Figs. 3 and 4 of the drawings.

It will be observed that the fastening device of my present invention is adapted for tiles or slates in which the perforations *a* and *a'* are at varying distances apart. Moreover, thereby is provided two beveled bearing-surfaces of engagement with the edges of tiles or slates in position of the tile or slate with said fastening device B, as clearly and fully illustrated in Fig. 4. Again, the engagement of the inserted tile or slate with its attached fastening device along with the others of the courses of the roof is such that the roof assumes a symmetrical or finished appearance and one in which much labor, time, and expense are saved in repairing a roof having displaced tiles or slates with tiles or slates having associated with them the fastening devices of my said invention.

The application of the said fastening device is not confined to tiles or slates of the character illustrated; but the same may be applied to other forms or shapes thereof and equally good results be obtained in the direction of quickly and reliably or efficiently repairing such general character of roof as hereinbefore explained.

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

1. In a roofing tile or slate, a fastening de-



vice, consisting of two strip members crossing each other and pivoted together, substantially as and for the purposes specified.

2. In a roofing tile or slate, a fastening device consisting of two metal strip members crossing each other beyond the middle of their lengths and pivoted together and the same provided with beveled bearing or engaging edges, substantially as and for the purposes specified.

3. In a roofing tile or slate, a fastening device consisting of two metal strip members crossing each other beyond the middle of their

lengths and pivoted together, the longer portions of which are provided with perforations for inserting bolts or rivets into a tile or slate and the shorter portions provided with beveled bearing or engaging edges, substantially as and for the purposes specified.

In testimony whereof I have hereunto set my signature in the presence of two subscribing witnesses.

MARK A. JACKSON.

Witnesses:

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