

*Geo. E. Collins & W. C. Collins Impt. in Picture &
Mirror Frames.*

No. 122,158.

Patented Dec. 26, 1871.

Fig. 1.

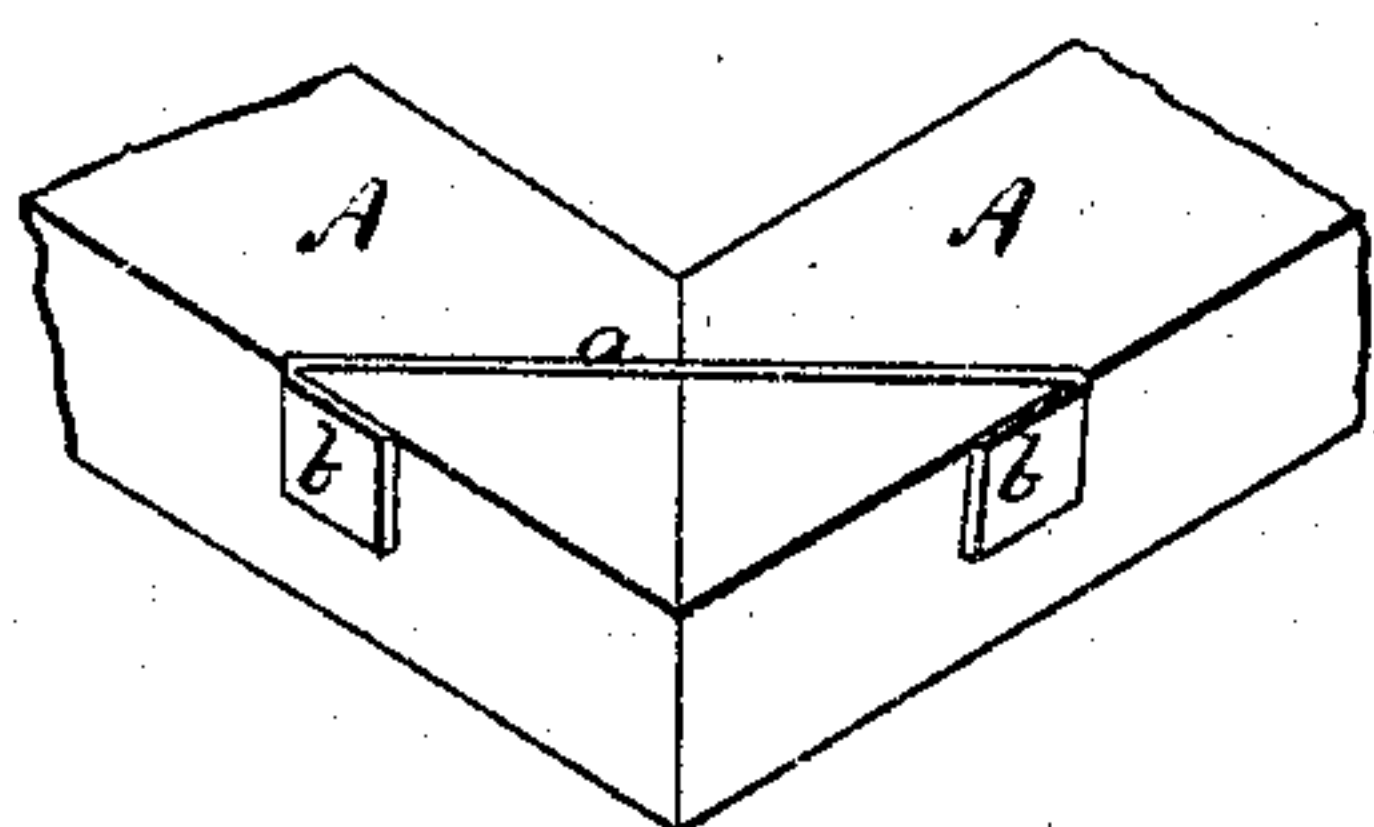


Fig. 2.

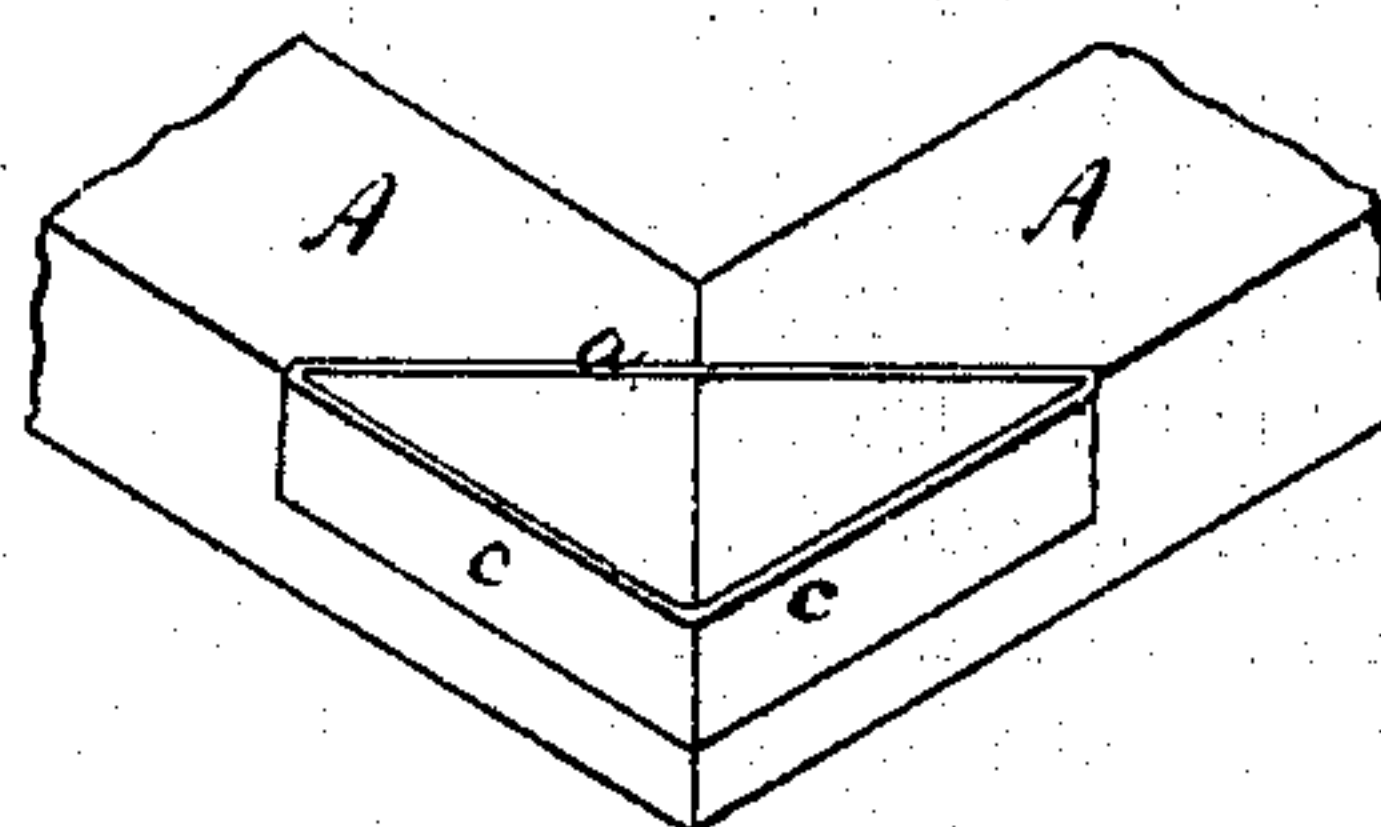


Fig. 3.

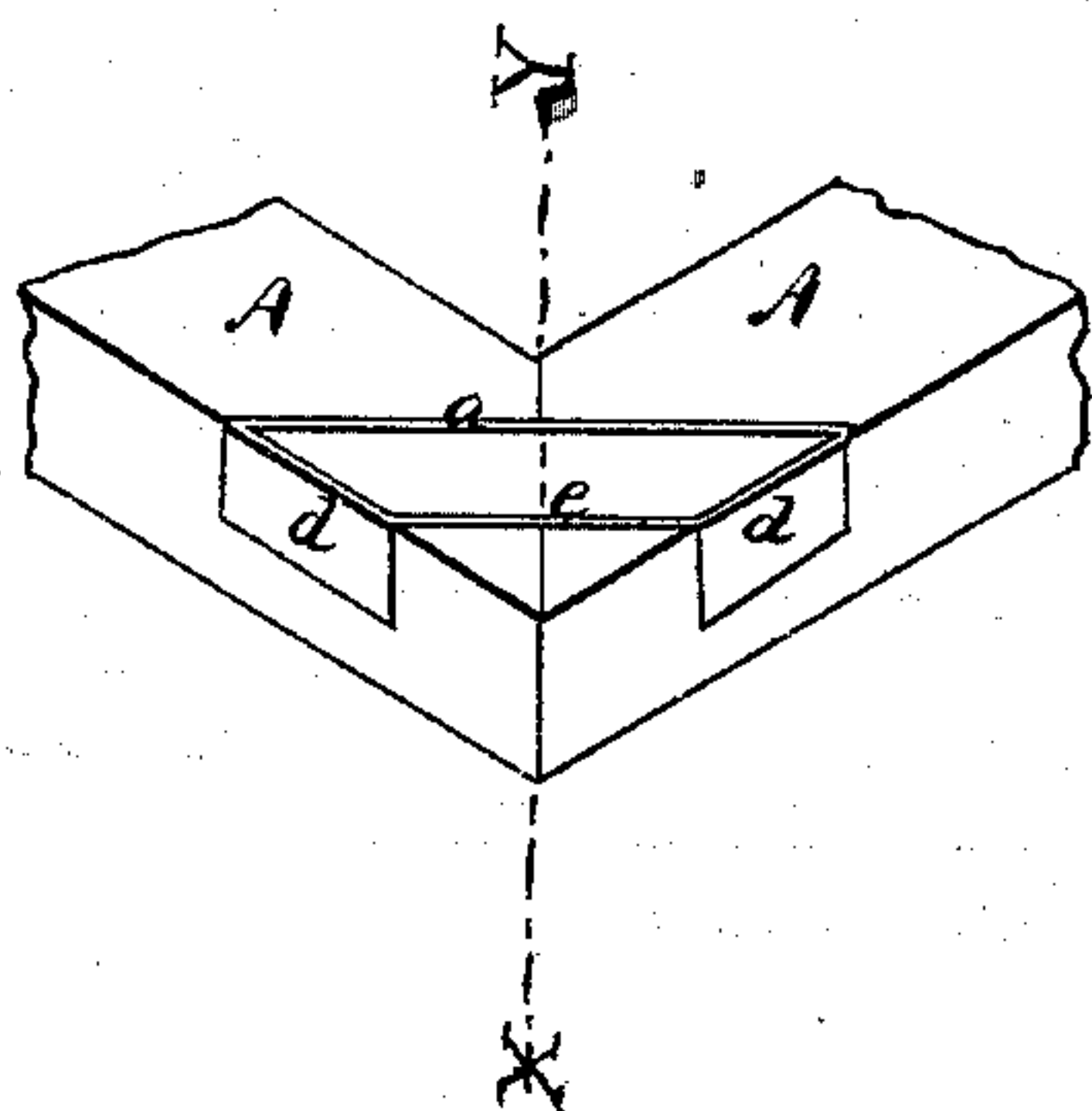


Fig. 4.



Witnesses.

*C. L. Marston
Eben Hutchinson*

Inventors.

*Geo. E. Collins
W. C. Collins
By T. W. Porter Atty*

UNITED STATES PATENT OFFICE.

GEORGE E. COLLINS AND WILLARD C. COLLINS, OF BUCKSPORT, MAINE.

IMPROVEMENT IN PICTURE-FRAMES, &c.

Specification forming part of Letters Patent No. 122,158, dated December 26, 1871; antedated December 21, 1871.

To all whom it may concern:

Be it known that we, GEORGE E. COLLINS and WILLARD C. COLLINS, of Bucksport, in the county of Hancock and State of Maine, have invented a new and useful Improvement in Picture and Mirror Frames; and we do hereby declare that the following, taken in connection with the drawings which accompany and form part of this specification, is a description of our invention sufficient to enable those skilled in the art to which it appertains to construct the same.

This invention relates to a new and improved mode of securing the miter-joints at the corners of the frame; and consists in cutting at a right angle to the miter, across the back of the frame, one or more saw-cuts to a suitable depth, in which are inserted metal strips or ties, which are formed to embrace a part or all of the outer edges of the frame to the depth of the cut, and extending from one end of the cut around the angle of the frame to the other, thereby obviating the usual method of nailing the joints, and not only facilitating the process of uniting the parts with glue but rendering the frame more durable and neater in appearance.

Figs. 1, 2, and 3 are different modifications of my invention, shown in perspective; and Fig. 4 is a vertical section taken on line X Y, Fig. 3.

Similar letters of reference indicate like parts in the several figures.

In the drawings, A A represent two sides of the frame which intersect on the miter-line X Y, Fig. 3, in the usual manner. At suitable points upon the miter saw-cuts are made at a right angle thereto, of a sufficient depth across to the outside edge of the frame; these cuts are plainly shown at *e a*, Fig. 4. In Fig. 1 but one cut is

made across the corner of the frame, and in it is inserted the metallic tie *a*, the ends of which are folded upon the edges of the frame, as shown at *b b*. In Fig. 2 the metal band after passing through line *a*, extends around and embraces the corner of the frame, as shown at *c c*, while in Fig. 3 the band after passing through cut *a* extends along the edge of the frame a part of the distance to the corner, as shown at *d d*; whence it extends across the corner of the frame in line or cut *e*, as shown.

When using these bands the joint is glued in the usual manner when the band is driven into the saw-cut, and the joint is firmly secured with less cost than by the usual method of nailing.

What we claim as new, and desire to secure by Letters Patent, is—

1. Securing or re-enforcing the miter-joints of picture and mirror frames, by means of a metal band inserted in a groove or cut, *a*, made at a right angle with such joint, or nearly so, the tie extending along the edge of the frame so as to prevent the separation of the parts, substantially as shown in Fig. 1.

2. Securing the joints of picture and mirror frames by a metal tie inserted in a cut or groove, *a*, and embracing the corner of the frame, as at *c c*, substantially as shown in Fig. 2.

3. Securing the miter-joints of picture and mirror frames by a metal tie passing twice across the corner of the frame at *a e*, and embracing a portion of the edge of the frame, as at *d d*, substantially as shown in Fig. 3.

GEO. E. COLLINS.

W. C. COLLINS.

Witnesses:

DANIEL PARTRIDGE,
S. A. COBB.

(54)