

(No Model.)

M. C. SOMBORN.
FASTENING DEVICE.

No. 410,038.

Patented Aug. 27, 1889.

Fig: 1

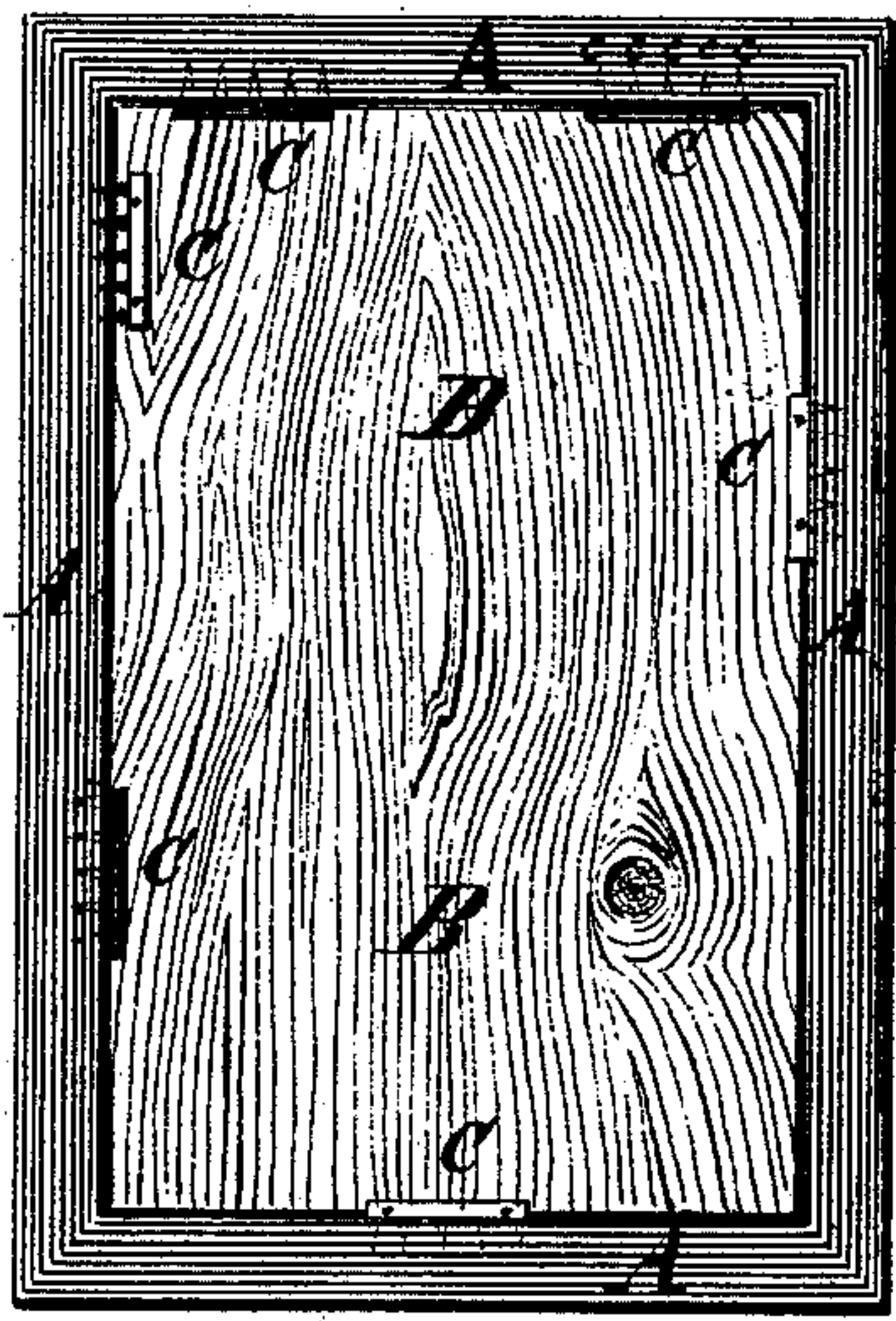


Fig: 2

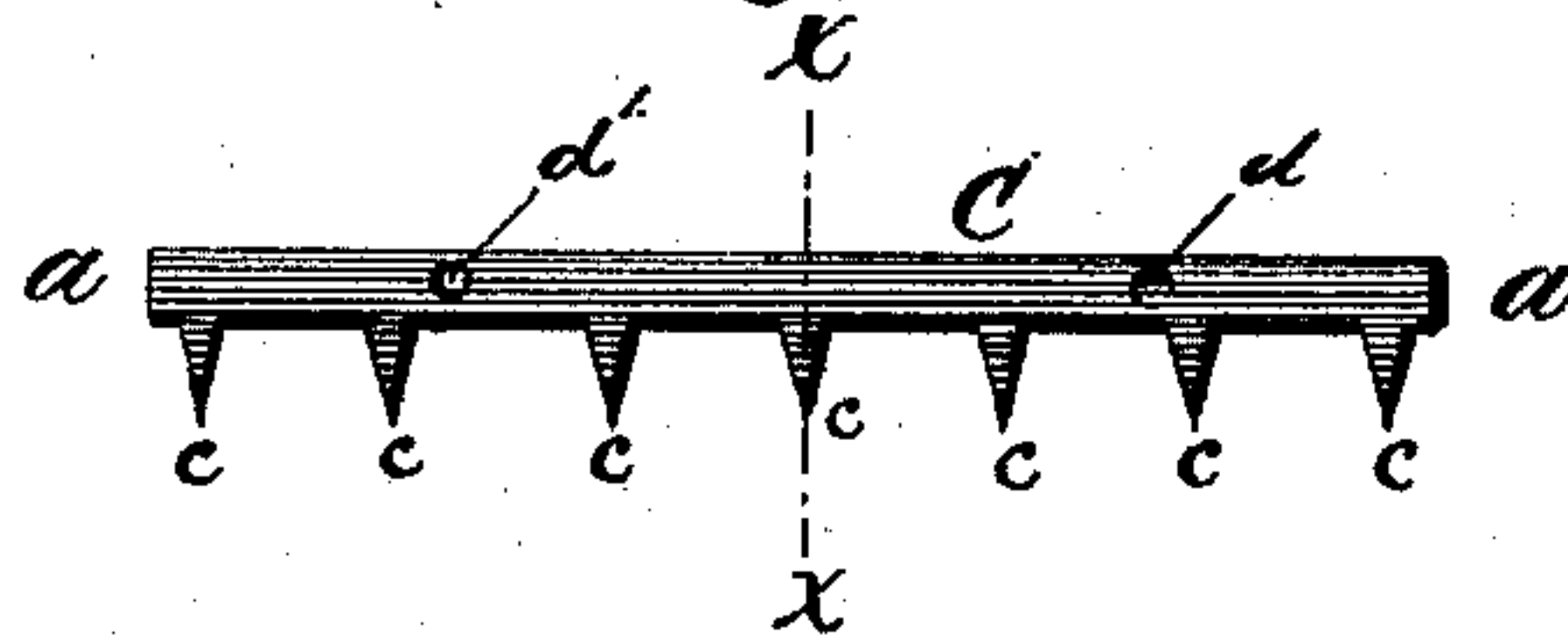
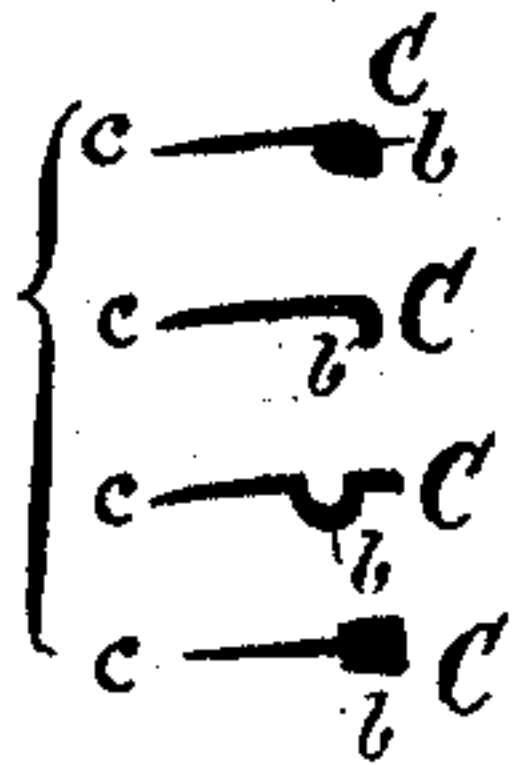


Fig: 3



WITNESSES:

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MEYER C. SOMBORN, OF BROOKLYN, NEW YORK.

FASTENING DEVICE.

SPECIFICATION forming part of Letters Patent No. 410,038, dated August 27, 1889.

Application filed January 31, 1887. Serial No. 226,013. (No model.)

To all whom it may concern:

Be it known that I, MEYER C. SOMBORN, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Fastening Devices, of which the following is a specification.

The object of my invention is to provide an improved device to take the place of the ordinary nails or tacks for fastening the wooden or other backing of a picture to the picture-frame, or for securing the glass pane of a window to the sash, or for other like purposes.

The invention will be hereinafter fully described, and specifically pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 represents a rear view of a picture-frame, showing the backing secured thereto by means of fasteners constructed according to my present invention. Fig. 2 is a side view of one of my improved fastening devices. Fig. 3 represents cross-sections of four modifications of the same, the section being taken on the line $x x$ of Fig. 2.

A is the frame, seen from the back.

B is the ordinary thin wooden board which serves as backing to the paper or picture and presses the same against the glass.

C are my improved fastening devices for keeping the board so pressed against the back of the picture.

As is well known, the ordinary thin wooden board B warps more or less and bulges out at different places, not pressing the paper smoothly upon the glass. To hold it smooth by the ordinary tack is impracticable, as they touch the board only in one single point of contact, and it is therefore often necessary to discard the board and insert a new one, or else to nail strips of wood to the frame, so that the entire strip will press upon the board. To overcome this difficulty, my fastening device C is made in the shape of a bar a , having a series of points c projecting laterally from the same somewhat in the manner of teeth projecting from the back of a comb.

In order to bear evenly upon the board B while the points c are inserted in the frame, as in Fig. 1, the said bar A is made much thicker than the inner ends of the points c , so as to form a rib b lengthwise of the bar, which

rib bears upon the wood when the nail is inserted in the frame. This rib can either be a continuous swell cast or forged in one piece with the bar A, either on one or both sides thereof, as shown in the first and fourth modifications of Fig. 3. If on both sides, it obviates the necessity of observing which side of the bar is turned up or down when applying the fastener.

This nail may be stamped out of a metal plate and the rib b formed in the same operation by bending up the edge at an angle, as shown in the second modification of Fig. 3; or a bead might be struck up in the same manner at a little distance from the edge of the bar, as in the third modification in the said figure.

For frames of ordinary sizes four of these fasteners c are generally sufficient applied at the corners, as shown at the upper left corner of Fig. 1, although they may be applied at any other place, according as occasion requires, as also shown in Fig. 1. For frames of larger sizes a larger number of them is of course used.

These fastening devices C, I make larger or smaller, with longer or shorter points, according to the uses for which they are intended.

To facilitate the removal of my improved fastening device from picture-frames in cases where the nail has been driven in the frame close up to the head, I provide in the bar a one or more indentations d or holes d' , as shown in Fig. 2, in which a point or nail can be inserted to pull my fastening device out without marring the edge of the frame.

I am aware that tack-strips have been made in which a number of tacks project side by side from a head-strip in the close proximity to each other which results from a similar series of tacks of another strip being punched from between the first-mentioned series, the same being so close that such a device could not be driven into the wood, because there is not space enough between the tacks for allowing the necessary displacement of the wood by the tacks.

My improved fastening device is distinguished from such tack-strips in the location of the tack-points so far apart as to allow of such displacement, the said distance necessarily being more than double the distance of the width of the tack-points.

Having thus described my invention, what I

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

1. The improved fastening device consisting of a bar *a*, having a series of three or more
5 points integral therewith and projecting from one side or edge, and being located on said strip more than double the width of a point apart, substantially as described.

2. A fastening device consisting of a bar *a*,
10 provided with a series of three or more points projecting from the edge thereof and integral

therewith, and being also provided with indentations or holes *d d'*, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as
my invention I have signed my name, in the
presence of two witnesses, this 24th day of
January, 1887.

MEYER C. SOMBORN.

Witnesses:

A. W. ALMQVIST,
T. M. CROSSMAN.