No. 111,128. PATENTED JAN. 24, 1871.

C. F. LINSCOTT.

METHOD OF SECURING JOINTS OF FRAMES, &c.

Fig 1

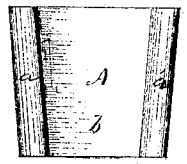


Fig 2

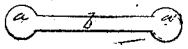


Fig 3

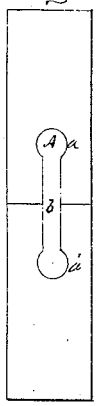


Fig 4

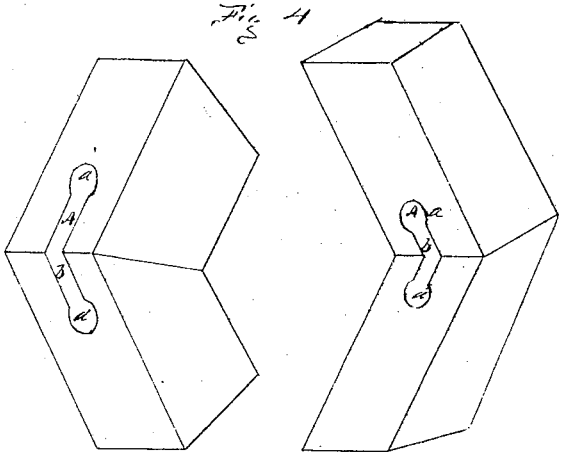
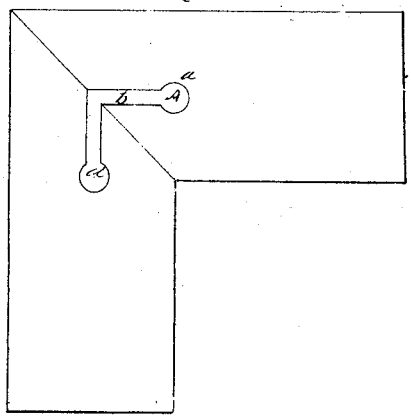


Fig 5



Witnesses
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CHARLES F. LINSCOTT, OF NEW YORK, N. Y., ASSIGNOR TO EDWARD S. TORREY AND JOSEPH TORREY, OF SAME PLACE.

Letters Patent No. 111,128, dated January 24, 1871.

IMPROVEMENT IN THE METHODS OF SECURING JOINTS OF FRAMES, &c.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, CHARLES F. LINSCOTT, of the city, county, and State of New York, have invented a new and improved Method of Securing Joints for Frames, &c.; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

This invention relates to a new and useful improvement in securing miter and other joints for frames, window-screens, &c., and consists in joining the angles of said frames, &c., with a key of peculiar construction, hereinafter fully described, in such manner as will hold the joints and angles of the frame in a stronger and more rigid manner than the ordinary tenon-joint, and at the same time the joint can be more expeditiously made and at much less cost.

In the accompanying sheet of drawing—

Figure 1 represents a side view of my key;

Figure 2, a plan view of same;

Figure 3, a view of the key, as applied to straight-joint; and

Figures 4 and 5 show the applications of the key to the moldings when mitered.

Similar letters of reference indicate corresponding parts in the drawing.

A represents a key, which may be made of malleable iron or any other suitable material, whether cast, rolled, or forged.

This key is made with two cylindrical edges, *a a'*, and an intermediate web, *b*, and is made slightly tapering, as shown in fig. 1, and may be of any size desired.

In order to make a joint with my key, it is only necessary to dress off the two faces of the molding, &c., it is desired to join. Then, by means of some suitable instrument, such as a drill, to form two holes, one on either side of the joint, corresponding in size to the cylindrical edges *a a'* of the key, and with a saw or otherwise make a "track" for the web *b*.

The key is then inserted so as to straddle the joint, and driven home, when the slight taper given to its sides will draw the faces of the joint tightly together, and the key once in place, its peculiar construction, as shown in fig. 1, prevents the possibility of the joints springing apart, but confines it rigidly in position; or, instead of applying the key as above stated, the key may be made in the shape of a right angle, and then applied on the side of the molding, as shown in fig. 5.

It will be desirable, in practice, to punch the key a little below the surface of the molding, so that if the frame, after being put together, requires dressing, it can be done without injury to the plane.

I do not wish to confine myself to making frame-joints merely with my key, nor to the use of but one key to each joint, but it may be used wherever a mortise or tenon-joint is now employed or found necessary, and one or more keys may be used to each joint if desired.

Having thus described my invention,

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

A key, A, formed with the cylindrical sides *a a'* and web *b*, when used or employed for making or securing joints of frames, screens, &c., as hereinbefore described and set forth.

CHARLES F. LINSCOTT.

Witnesses:

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