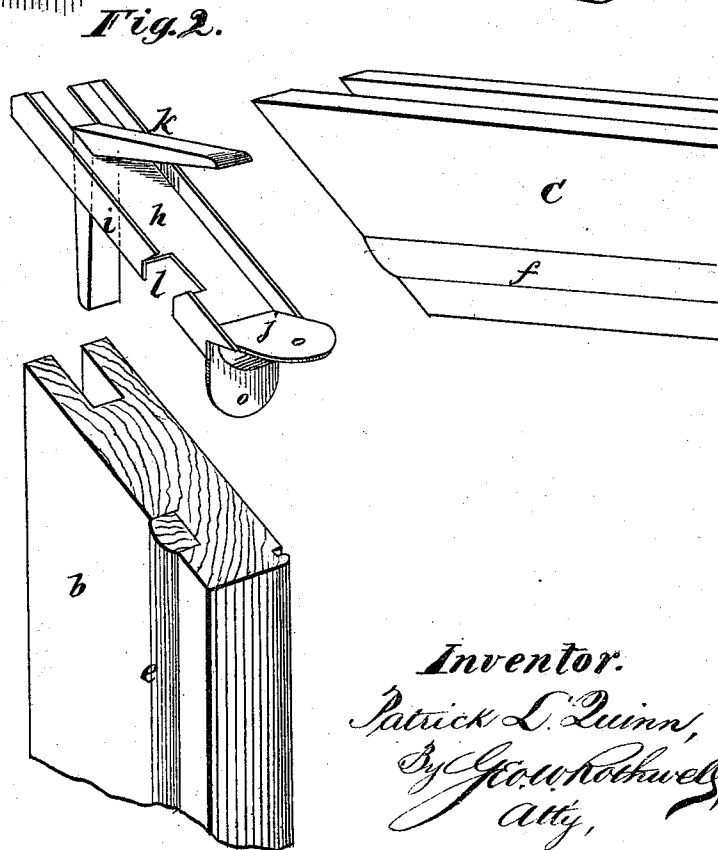
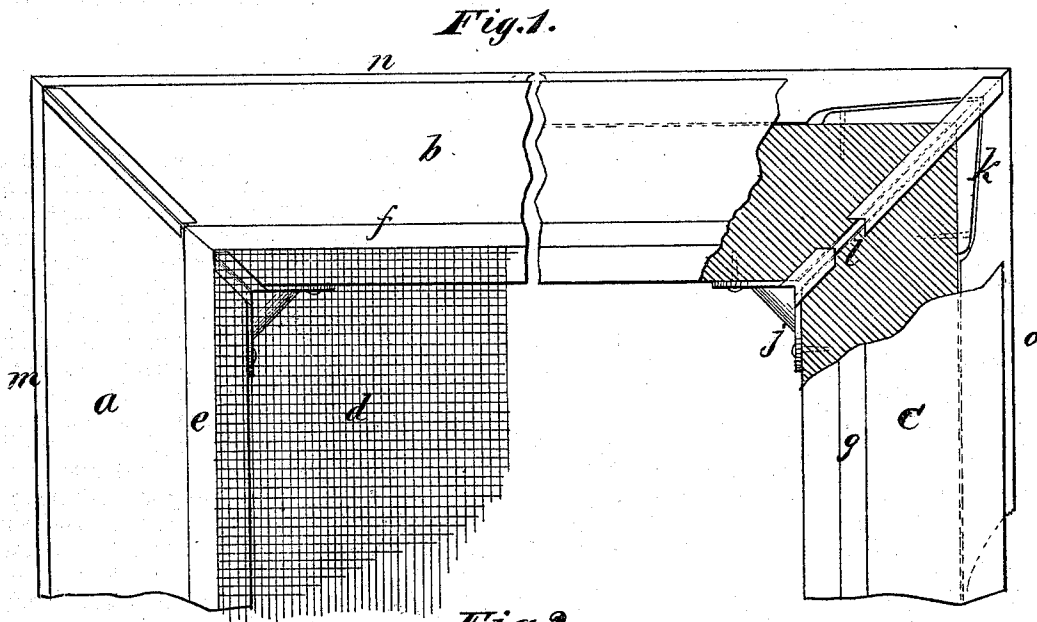


P. L. QUINN.

Improvement in Window Screen and other Frames.

No. 124,759.

Patented March 19, 1872.



Witnesses.
H. L. Perrine.
W. H. Finckel

Inventor.
Patrick L. Quinn,
By Geo. W. Hobbes,
Att'y.

UNITED STATES PATENT OFFICE.

PATRICK L. QUINN, OF BROOKLYN, NEW YORK, ASSIGNOR TO WILLIAM T. EDWARDS, OF SAME PLACE.

IMPROVEMENT IN WINDOW-SCREEN AND OTHER FRAMES.

Specification forming part of Letters Patent No. 124,759, dated March 19, 1872.

Specification describing certain Improvements in Window-Screen and other frames, invented by PATRICK L. QUINN, of Brooklyn, in the county of Kings and State of New York.

My invention relates to the construction of window-screen and other frames; and consists in improvements in the means of uniting the joints thereof, the object being to supply to the trade a molding for the frames with metallic corner-pieces, so that any one with ordinary intelligence and skill can make a frame combining strength and ornamental appearance. These improvements consist, first, in a plate passing through the miter or square joint, provided with suitable pieces or projections at or near the ends, for attachment to the molding composing the frame. Secondly, the invention consists in forming a double flange on each edge of the plate which passes through the joint.

In the drawing, Figure 1 represents a front view, partly in section, of a window-screen frame constructed according to one part of my invention. Fig. 2 is a perspective view, showing a corner-piece between the ends of the moldings composing the frame, the parts being detached, but in position to be brought together.

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

Referring to the drawing, *a b c* represent moldings composing, in this case, a frame for a window-screen. *d* may represent the wire-gauze composing the screen, and *e f g* narrow strips of wood fitted in grooves in the moldings, thereby securing the gauze; but this method of forming the screen constitutes no part of the present invention. The drawing represents a frame made with miter-joints; but I wish it understood that my improvements may be employed when the joints are square. *h* represents a narrow flat plate passing through a joint at the corners of the frame, and secured in place by means of tacks or screws inserted

through pieces or projections at or near the ends of said plate. I do not wish to limit myself to the form of these pieces or projections, as it is evident that various shapes may be employed. It will be observed that this forms a very rigid and strong joint, the moldings being secured together at both ends of the joint. I prefer to provide the plate *h* with a double flange, *i*, on each edge, which serves to cover up any unevenness which may be caused in cutting the molding. These flanges also assist in keeping the ends of the molding in proper position. I wish it understood that I do not limit myself to the plate *h*, when provided with the flanges, as it may be used without them. A recess is formed in the plate *h*, as at *l*, to permit the ends of the splines or strips *f g* to come together when such splines or strips are used. It will be seen that the piece *k* rests in grooves in the moldings *a b c*, in which grooves are fitted strips *m n o*. The parts *h i j* may be all made of two pieces of sheet metal flanged at the edges, and secured together back to back; but I prefer to make in one casting the parts *j k* and flanged connection.

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

1. A plate, *h*, passing through the joint, and provided with pieces or projections at or near the ends, for attachment to the moldings composing the frame, substantially as herein shown and described.

2. The flange *i* on the connecting-plate *h*, and covering the joint, for the purposes set forth.

To the above I have signed my name this 31st day of January, 1872.

PATRICK L. QUINN.

Witnesses:

CHARLES H. THOMSON,
ROBERT B. THOMPSON.