

(No Model.)

W. H. MUNN.
WINDOW SCREEN.

No. 291,926.

Patented Jan. 15, 1884.

Fig. 1

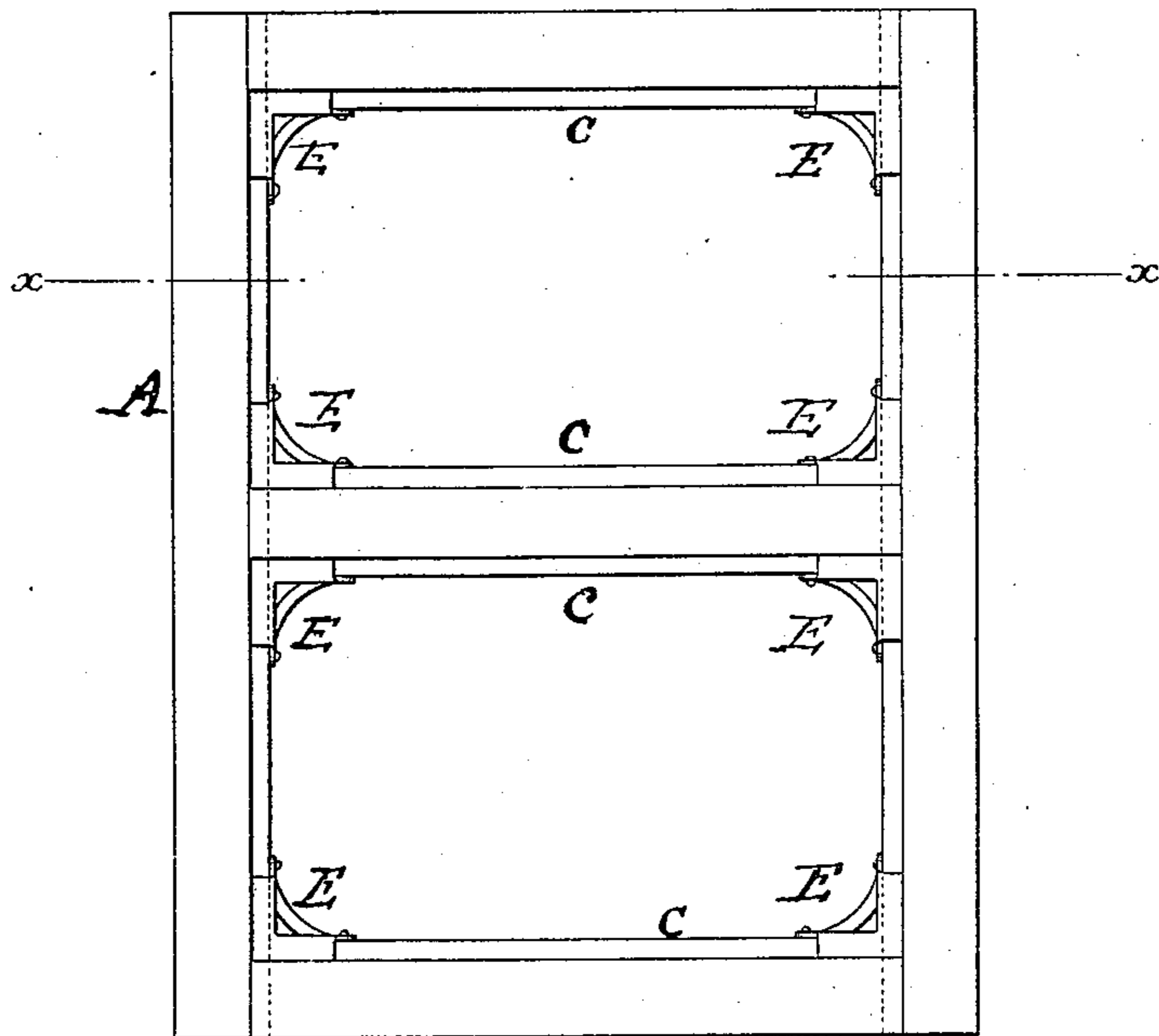


Fig. 2

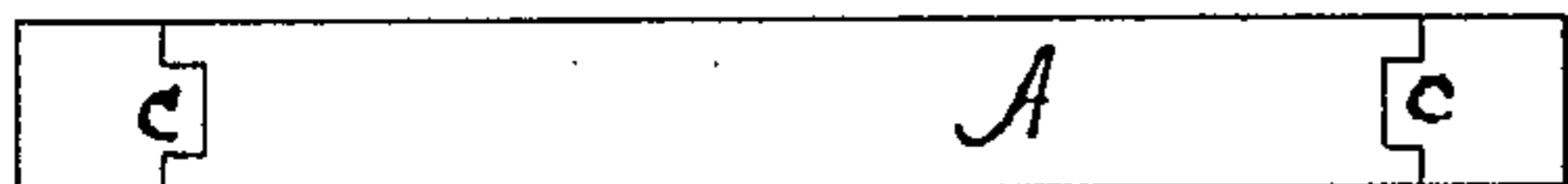
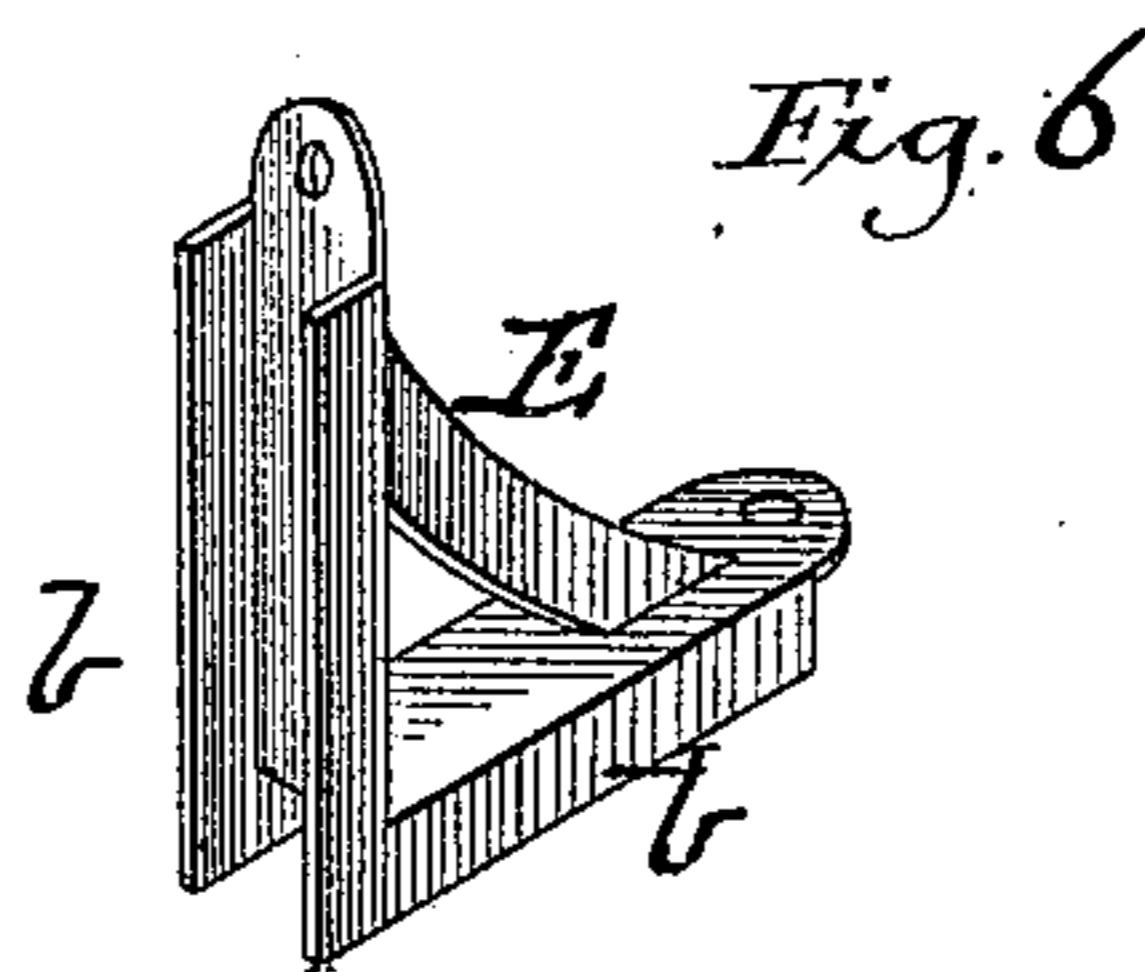
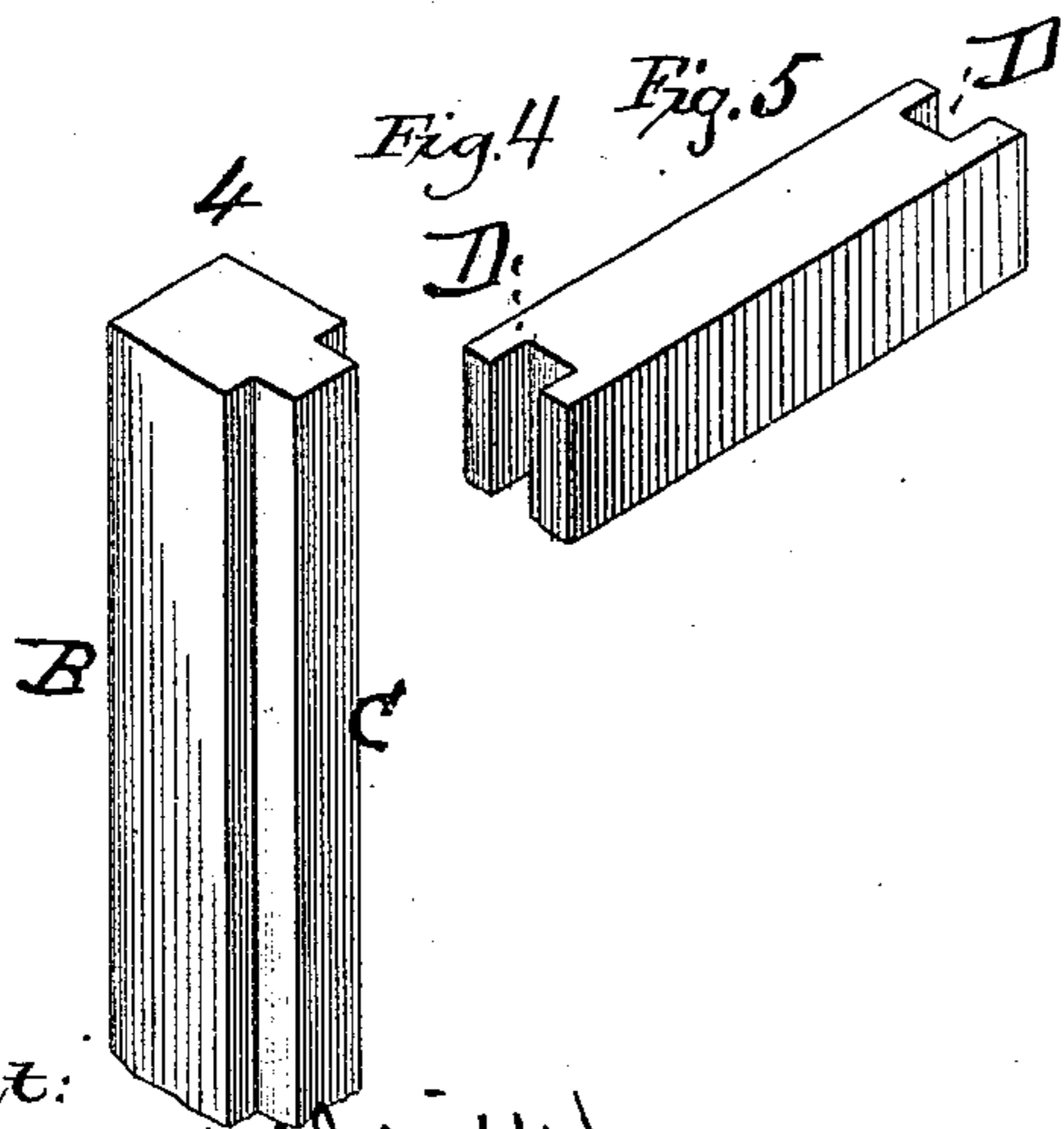
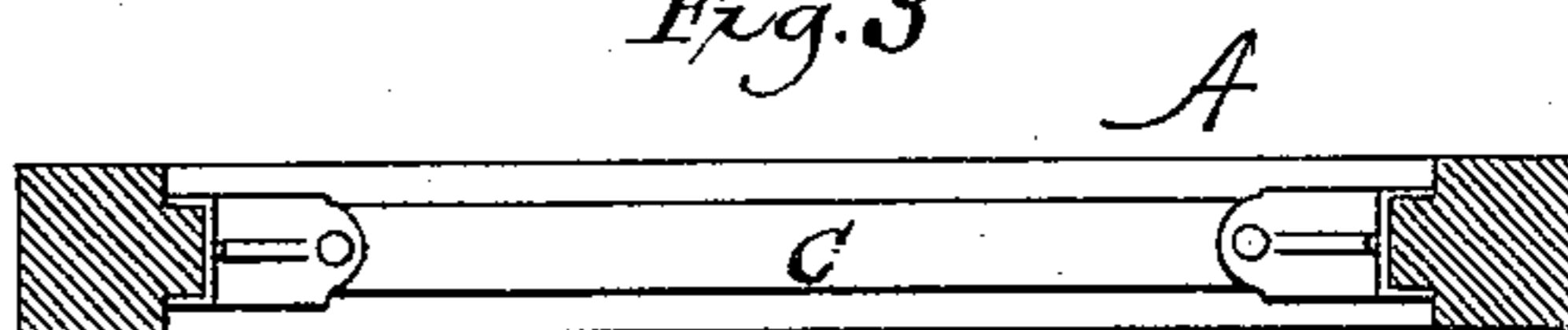


Fig. 3



Attest:

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UNITED STATES PATENT OFFICE.

WILLIAM H. MUNN, OF MILWAUKEE, WISCONSIN.

WINDOW-SCREEN.

SPECIFICATION forming part of Letters Patent No. 291,926, dated January 15, 1884

Application filed October 22, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. MUNN, a citizen of the United States, residing in the city of Milwaukee, county of Milwaukee, and State of Wisconsin, have invented certain new and useful Improvements in Window and Door Screen Frames, fully described and represented in the following specification and the accompanying drawings forming a part of the same.

In said drawings, Figure 1 is a front view; Fig. 2, an end view; Fig. 3, a section on the lines *x x* of Fig. 1; Fig. 4, a perspective view of a portion of the strip of which the frame is constructed; Fig. 5, a perspective view of the end rails, and Fig. 6 a perspective view of the bracket or corner angle-pieces.

The object of this invention is to produce a cheap, strong, and easily-constructed frame for window and door screens, consisting of side and end rails having a tongue on their inner edges, and united by a tongue-and-groove joint, in combination with a metal bracket provided with flanges to grasp the tongue on the rails.

The frame A is constructed of strips B, of wood, made of any desired size and length, and provided with a tongue, C, on one side, as shown in Fig. 4. The ends of the end rails are provided with a groove, D, as shown in Fig. 5, of the required size to fit closely upon the tongue C of the rails, as shown in Fig. 1. The side and end rails are united or framed together by having the groove of the latter receive the tongue of the former, as shown in the same figure. Their joints are secured by the

metallic bracket or corner-piece E, constructed as shown in Fig. 6, and fastened in place, as shown in Fig. 1, with its flanges *b* clasping the tongue *c* of the rails, as shown in the same figure. The tongue C is made rectangular, as well as the flanges *b* of the bracket, so that they may be readily fitted together. If desired, the flanges may be made broad enough to enter the wood on either side of the tongue, and cross-pieces similar to the end rails may be used to divide up the space within the frame, as shown in Fig. 1.

I am aware that a screen-frame has been devised composed of rails having mitered meeting ends, and that these ends have been held by metal flanged brackets. By tonguing the rails the parts are held together firmly, the brackets merely holding them in position, and being auxiliary to the tongued construction.

Having thus described my invention, what I claim is—

A window or door screen frame having its side and end rails provided on their inner sides with a tongue, and its corners united with a tongue-and-groove joint, in combination with a metallic bracket or corner piece provided with flanges, arranged substantially as shown and described.

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

WILLIAM H. MUNN.

Witnesses:

P. WILLIAMS,
M. STEWART.