

(No Model.)

J. E. STUART
WINDOW SCREEN FRAME.

No. 262,148.

Patented Aug. 1, 1882.

Fig 1

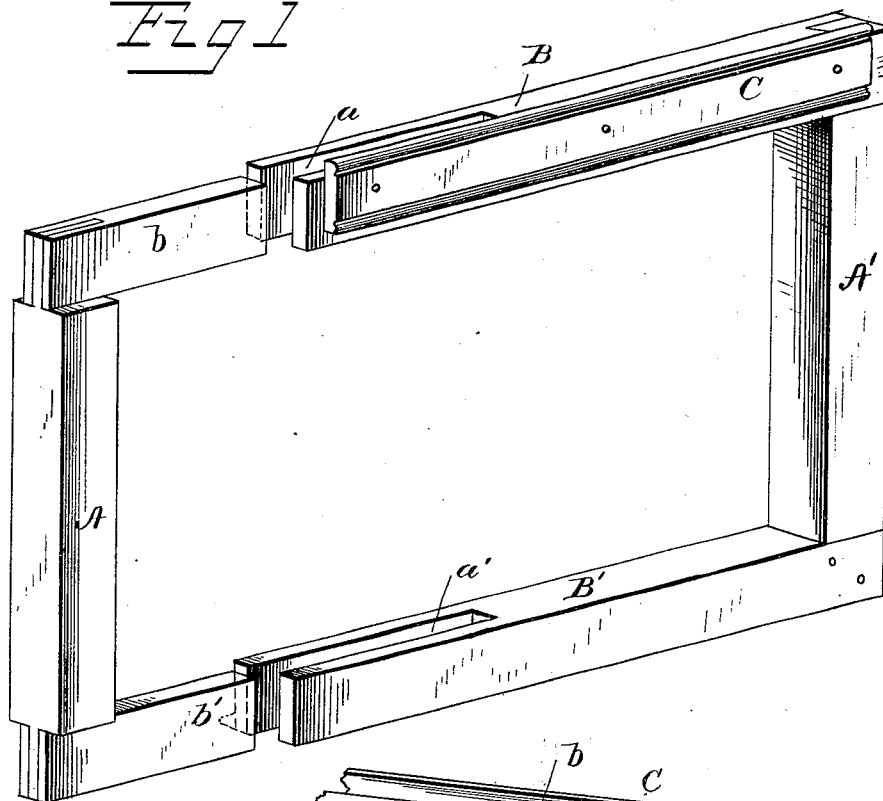
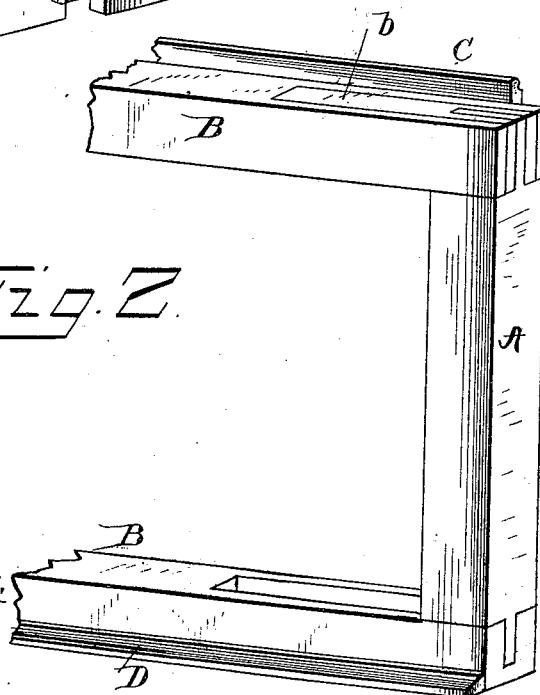


Fig. 2



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JOHN E. STUART, OF NEWARK, NEW YORK.

WINDOW-SCREEN FRAME.

SPECIFICATION forming part of Letters Patent No. 262,148, dated August 1, 1882.

Application filed April 29, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOHN E. STUART, of Newark, in the county of Wayne and State of New York, have invented new and useful Improvements in Window-Screen Frames, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of my improved window-screen frame with the two parts separated, and Fig. 2 is a perspective view of the same with the parts united.

My invention relates to a novel construction of screen-frame, whereby it may be made to snugly fit in any window-frame.

It consists in providing the two horizontal bars of the screen-frame with elongated open slots in their ends, and the upright connecting therewith with laterally-projecting tongues, or vice versa, adapting the slotted ends and the laterally-projecting tongues to be cut away for reducing the size of the screen-frame to suit the window to which it is to be applied, as hereinafter described.

In the accompanying drawings, A and A' represent the upright bars, and B and B' the horizontal bars, of the screen-frame, secured at one end to one of the uprights, as A', and at the opposite ends provided with elongated open slots *a a'*.

The upright shouldered bar A is provided at its ends with laterally-projecting tongues *b b'*, made of such size that they will slide in and exactly fill the slots *a a'* in the horizontal bars B B'.

C is a strip attached to the upper horizontal bar, B, projecting above said bar and made a little shorter than said bar, so as to fit between the beads or guide-strips of the window-frame, so that when the screen-frame is in place said strip prevents lateral movement of the screen-frame. This strip serves also, by resting against the inner side of the lower bar or rail of the sash, when said sash is permitted to rest upon the screen-frame, to prevent said screen-frame from being pushed outward.

D is a weather-strip secured to the lower horizontal bar of the screen frame on its outer exposed side, or may be a part of the bar itself, and it rests upon the sill of the window frame or opening.

The idea of my invention is to make the screen-frame of greater width than will ordinarily be required, so that it may be readily reduced in size to fit any window or opening to which it may be desired to apply it. It is reduced to suit the width of the window frame or opening for which it is intended by sawing or otherwise cutting from the ends *a a'* of the horizontal bars B B' just as much as is necessary to allow the screen-frame, with the upright shouldered bar A removed, to fit in said window frame or opening. An equal amount is then sawed or otherwise removed from the ends of the tongues *b b'* and from the spacing-strip C, when, by sliding said tongues into the open slots *a a'*, the screen-frame will be of the size required.

The tongues *b b'* may be glued or otherwise fastened within their receiving-slots *a a'*, thus connecting the upright bar A rigidly with the frame and completing the frame. The gauze may then be secured upon the screen frame in any usual or preferred manner.

Both upright bars A and A' may be provided with laterally-projecting tongues and both horizontal bars B and B' with elongated open slots, thus giving an increased capacity of reduction in size to the screen-frame; or the horizontal bars, instead of being slotted, may be grooved on their adjacent sides, at their ends, and the tenons or tongues on the uprights may be shortened to suit the depth of the groove, and, being adjustable therein, obviate the necessity for cutting away any except the horizontal bars.

Having now described my invention, what I claim as new is—

The horizontal bars of a screen-frame, provided with open slots in their ends, in combination with an upright shouldered bar provided with laterally-projecting tongues entering and filling said slots in the horizontal bars, adapting said slotted ends and the laterally-projecting tongues to be cut away for reducing the size of the frame, substantially as described.

In testimony whereof I have hereunto set my hand this 27th day of April, A. D. 1882.

JOHN E. STUART.

Witnesses:

S. A. PYATT,
E. D. MILLER.