J. E. RATCLIFF.

Window Screen Frame.

No. 229,010. Patented June 22, 1880.

Fig. 1.

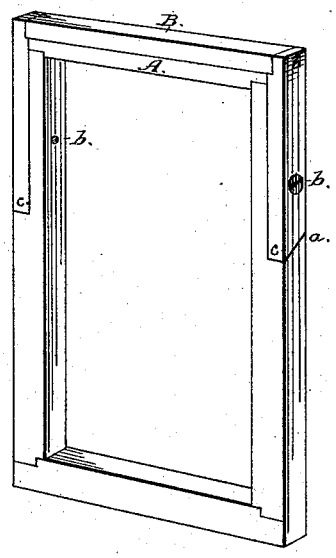
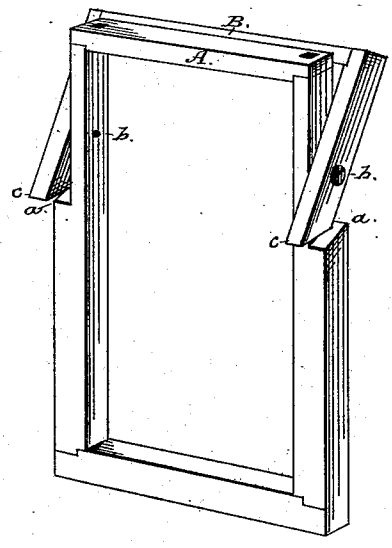


Fig. 2.



Attest

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UNITED STATES PATENT OFFICE.

JAMES E. RATCLIFF, OF DAWSON, ILLINOIS.

WINDOW-SCREEN FRAME.

SPECIFICATION forming part of Letters Patent No. 229,010, dated June 22, 1880.

Application filed January 22, 1880.

To all whom it may concern:

Be it known that I, JAMES E. RATCLIFF, of Dawson, in the county of Sangamon and State of Illinois, have invented a new and useful Improvement in Window-Screens; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention relates to window-screens; and it consists in certain improvements in the construction of the same, which will be hereinafter fully described with reference to the drawings, in which—

Figure 1 represents the two frames closed in position. Fig. 2 shows the auxiliary frame opened for removing the screen from a window.

Like letters refer to corresponding parts.

A represents the frame of the window-screen, composed of strips joined in the usual manner. This frame is cut away on each of its longitudinal sides and on one end for about half the width of such parts, leaving projections *a*, which are beveled, as shown in Fig. 2.

B is an auxiliary frame, which is pivoted to the main frame at *b*. This frame is provided with a beveled end, *c*, of the same shape as the projection *a*, and the frame is of such a size that when it is closed it will fit exactly over the cut-away sides and end of the main frame, making each side of the combined frames of the same width and thickness, with the beveled ends *a c* fitting together.

The frame A incloses any suitable kind of wire gauze or netting to form a protection against flies and other insects. The screen is placed beneath the sash, in the grooves in the window-frame, and may be easily and conveniently adjusted or removed by turning the auxiliary frame B upon its pivot, substantially as shown in the drawings.

I am aware that frames constructed in sections hinged together are not new in the art, and such I do not claim. In contradistinction to such my invention is a complete frame, not capable of being bent or folded, to the detriment of the wire-gauze, but provided with a pivoted auxiliary frame, which may be turned so as to permit adjustment or removal of the screen without affecting the latter.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The combination, with a rigid frame, A, of an auxiliary frame, B, pivoted to the sides of said frame A, as set forth.

2. The combination, with the rigid frame A, having beveled shoulders or projections *a*, of the auxiliary frame B, pivoted to the sides of said frame A at *b*, and having beveled ends *c* fitting against the shoulders *a*, as set forth.

This specification signed and witnessed this 13th day of December, 1879.

JAMES E. RATCLIFF.

Witnesses:

E. P. HOUSE,

PASCAL P. CHILD.