

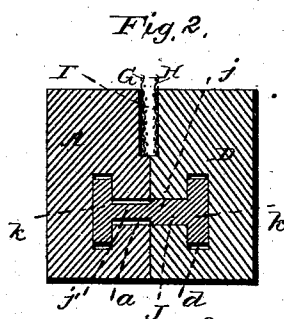
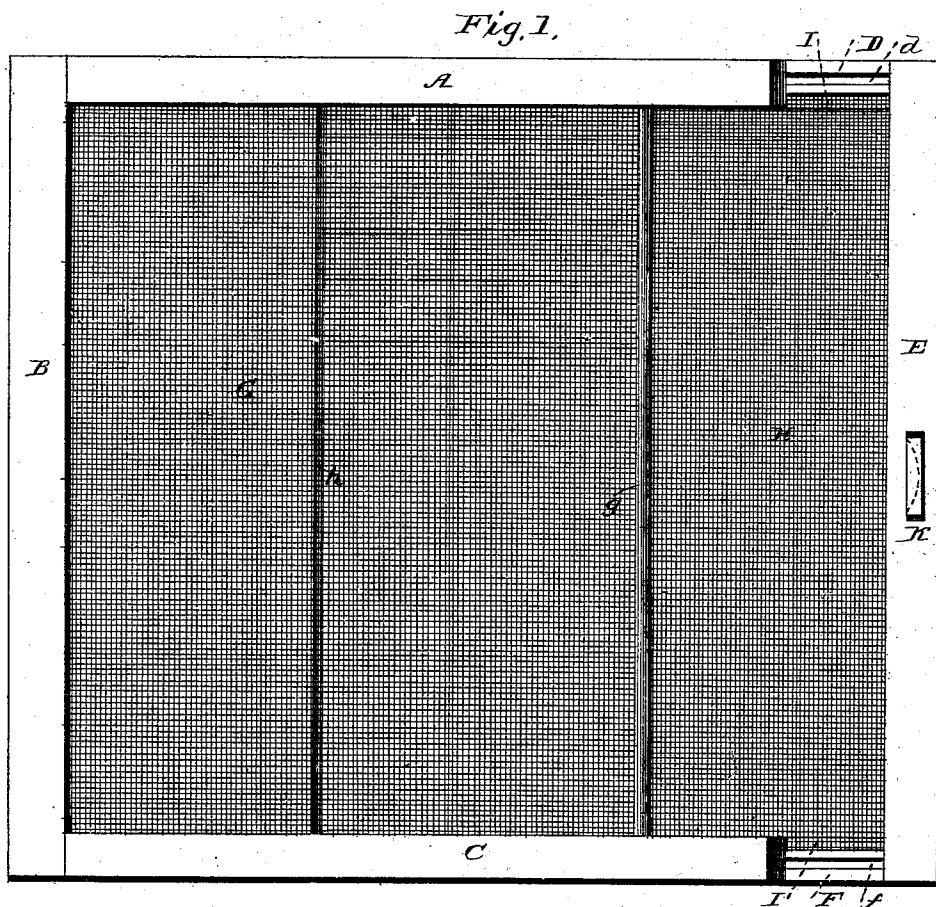
(No Model.)

J. M. MONTGOMERY, Jr.

WINDOW SCREEN.

No. 272,302.

Patented Feb. 13, 1883.



WITNESSES:

Fred. L. Dietrich,
Jno. W. Stockett,

James M. Montgomery Jr.
INVENTOR.
by Louis Bagger & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JAMES M. MONTGOMERY, JR., OF COLUMBUS, OHIO.

WINDOW-SCREEN.

SPECIFICATION forming part of Letters Patent No. 272,302, dated February 13, 1883.

Application filed September 9, 1882. (No model.)

To all whom it may concern:

Be it known that I, JAMES M. MONTGOMERY, Jr., of Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Window-Screens; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a plan view of my improved window-screen, and Fig. 2 is a detail view of the same.

Similar letters of reference indicate corresponding parts in both the figures.

My invention has relation to adjustable window-screens; and it consists in the improved construction and combination of parts of the same, as hereinafter more fully described and claimed.

In the accompanying drawings, the letters A B C and D E F indicate two rectangular three-sided frames, to each of which are fastened two pieces of wire-cloth, G and H, stretched between the three sides of the respective frames. The free edges of these pieces of wire-cloth may be stiffened and prevented from sagging by being folded around and fastened to thin steel rods, or by bindings of stiff sheet metal, as shown at *g* and *h* in Fig. 1. The top and bottom pieces, A C and D F, of the frames have shallow recesses or rabbets where the wire-cloth is fastened on them, as shown at I, to admit of the frames sliding close to each other without the edges of the two pieces of wire-cloth and their fastenings interfering with each other.

a and *d f* are T-shaped grooves in the top and bottom pieces of the frames. In the outer ends of these grooves are fastened I-shaped metal castings J, which slide in the grooves of

the corresponding pieces, guiding the frames and holding them together. These metal castings are of a peculiar shape, as plainly shown in Fig. 2 of the drawings. The part *j* of the stem connecting the two cross-heads *k k* is thicker than the sliding portion *j'*, so that the castings may be inserted into the ends of the grooves, and stay rigidly fastened by their thicker portion in the ends of the grooves, while their thinner portion slides freely in the opposite groove.

A notched block, K, is fastened on the one side piece E, so as to form a handle for the one hand, while the other hand is held against the side piece B in inserting or removing the screen or adjusting it to the size of the window.

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

1. The casting J, having cross-heads *k k*, united by the stem *j*, shouldered at its middle part to form the reduced shank *j'*, as shown and set forth.

2. In an extensible window-screen composed of the three-sided frames A B C and D E F, sliding upon one another, the casting J, fixed with one of its cross-heads *k* and thick part *j* in the top and bottom rails of one of the frames, with its reduced end *j'* and appropriate cross-head *k* inserted into and adapted to slide freely in the T-shaped groove or channel of the corresponding rail of the opposite frame, substantially as and for the purpose shown and specified.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

JAMES M. MONTGOMERY, JR.

Witnesses:

JAMES CAREN,

BENJ. WOODBURY.