(No Model.)

M. L. WHITCOMB.

WINDOW SCREEN.

No. 328,265. Patented Oct. 13, 1885.

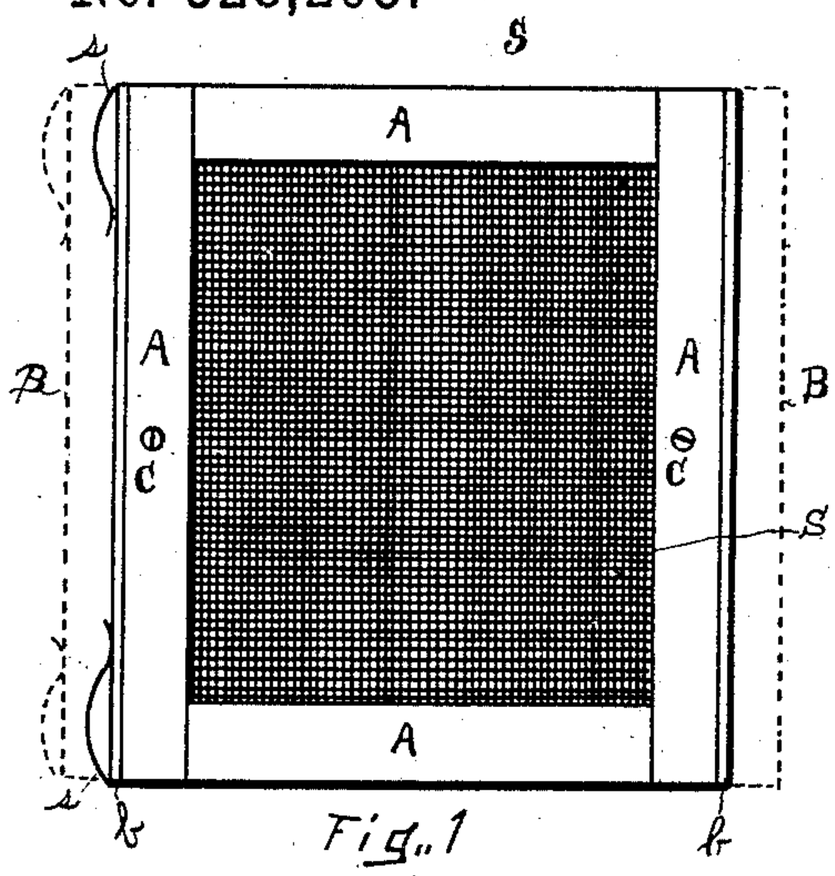

Fig. 1

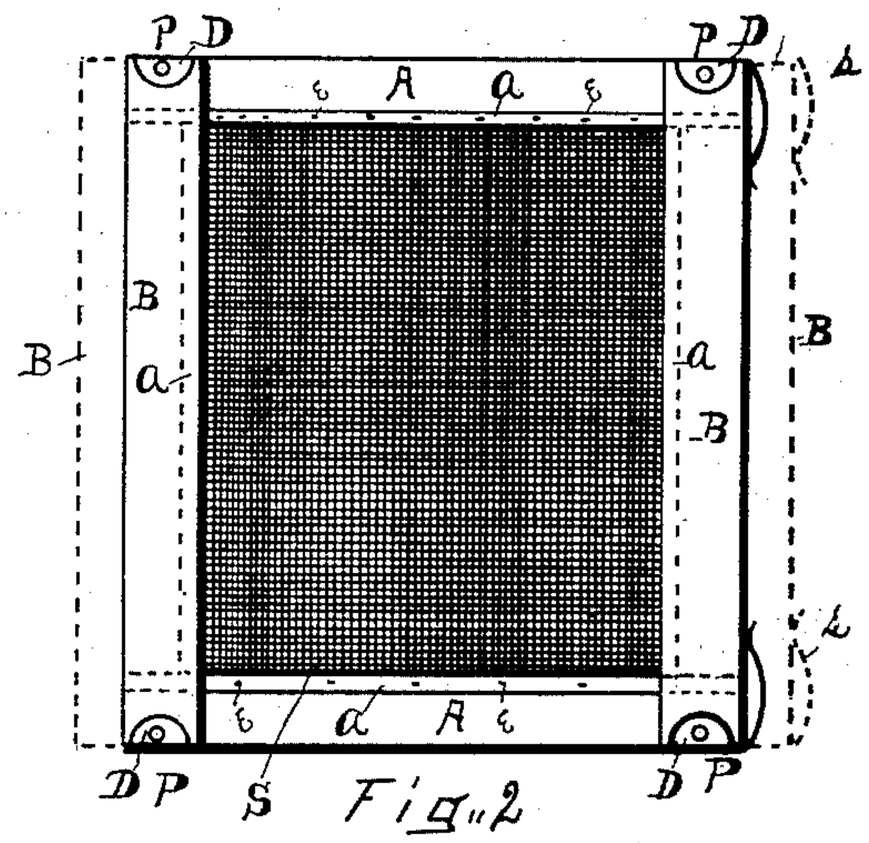

Fig. 2

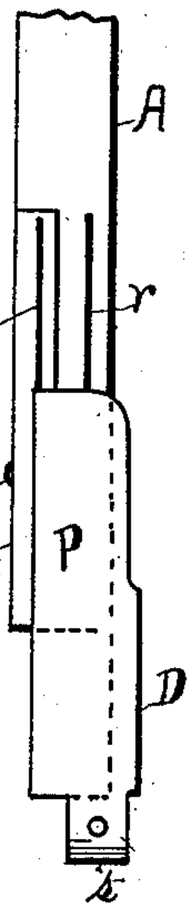

Fig. 3

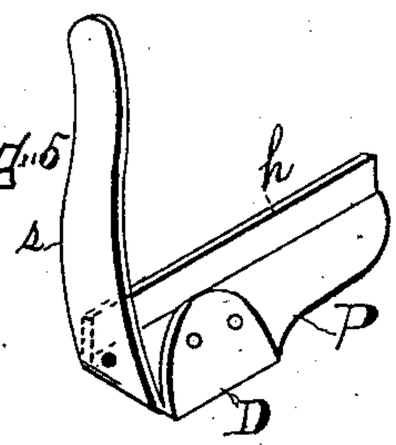

Fig. 5

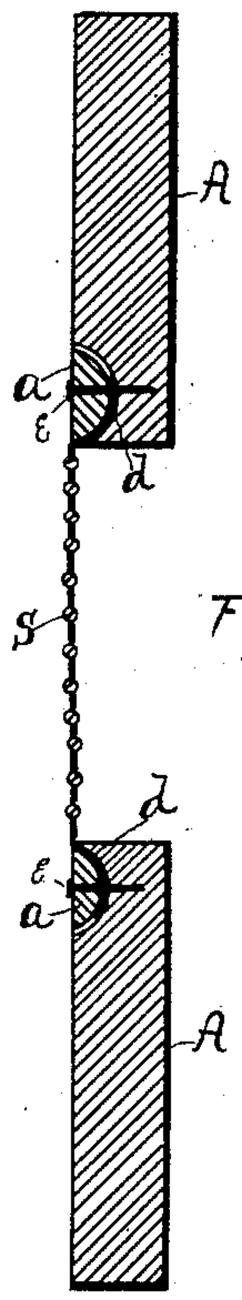

Fig. 4

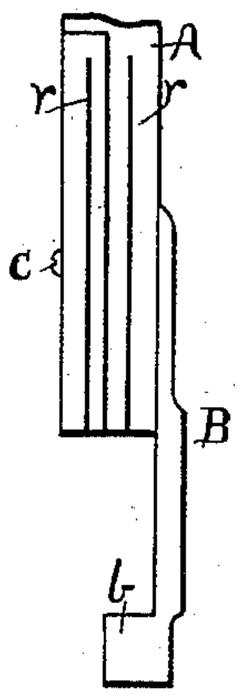

Fig. 6

Witnesses:

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UNITED STATES PATENT OFFICE.

MARCELLUS L. WHITCOMB, OF COLDWATER, MICHIGAN.

WINDOW-SCREEN.

SPECIFICATION forming part of Letters Patent No. 328,265, dated October 13, 1885.

Application filed March 9, 1885. Serial No. 158,179. (No model.)

To all whom it may concern:

Be it known that I, MARCELLUS L. WHITCOMB, a citizen of the United States, residing at Coldwater, in the county of Branch and State of Michigan, have invented certain new and useful Improvements in Window-Screens; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

The object of my present invention is to construct a screened frame for a window to exclude insects, which will be cheap, neat, and durable, and may be readily adjusted transversely to accommodate the varying widths of windows.

In the drawings, Figure 1 is a rear elevation of my invention, showing the wings B B as extended by dotted lines. Fig. 2 is a front elevation of Fig. 1. Fig. 3 is an enlarged top view of the adjusting parts. Fig. 4 is an enlarged section through the screen and frame, showing the manner of attaching the screen to its frame. Fig. 5 is an enlarged detached view of the metal plate of the wings B. Fig. 6 is a view similar to Fig. 3, having the plate P removed therefrom.

The screen-frame consists of the stiles A A A A, which are halved or otherwise secured together at the ends.

The frames are made up in a uniform size; but as windows vary in width I place over the vertical stiles A A the extensible moldings or wings B B, as shown in Figs. 2 and 6. The wings on the back side are provided with a rib or stop, *b*, (see Figs. 1 and 4,) which limit the closing up or bringing together of the wings, as said stop engages with the edge of the stiles A of the frame, as shown in Fig. 1. The length of the wings B B is equal to the height of the screen-frame; and to the ends of the wings I attach the metal plates P, by means of screws or nails through the ears D, as shown in Figs. 2 and 5. Said plates are provided with the webs *h*, formed a right angle to the face of said plates. In th ends of the vertical stiles A A, I cut witl a saw or like tool the channels *r r*, (see Figs 3 and 6,) and in one of said channels th webs *h* lie when the parts are together, a shown in Fig. 3, thus forming a sliding guid for the wing or wings B B. By forming th two channels *r r* the moldings or wings B E may be attached on either side of the screen frame.

I form integral with the plate P the spring *s*, and employ two such plates with springs upon the right-hand side wing, using the plates P without said springs upon the opposite wing, as shown in Figs. 1 and 2. The springs *s s* are designed to lie within the channel of the window-frame, between strips on the window-case, or within the channels of the window-stops, and by the pressure of said springs the screen-frames are held when elevated. The springs are bent over at right angles to the plate P, and when in position the outer ends of the springs rest upon the rib or stop *b* of the wing B.

As a means for holding the wing or wings when adjusted, I pass through the vertical stiles of the screen-frame, near the center, the screws C C, as shown in Figs. 1 and 3. Said screws when inserted pass through said stiles and enter the moldings or wings B B, thus securing the parts when adjusted.

To extend or close the wings, the screws C C are first withdrawn, when the wings may be readily moved by pulling or pushing transversely, as and for the purposes hereinbefore stated.

I am aware that screen-frames having side extensions have heretofore been patented, and do not claim, broadly, such subject-matter.

Having thus fully set forth my present invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In combination with the vertical stiles of a screen-frame, the overlapping sliding wings attached to said stiles by means of the metal plates having the ears, the webs, and

springs formed integral with said plates, the whole operating in the manner substantially as specified.

2. In combination with the vertical stiles of a window-screen, the sliding wings adjustably secured to said stiles by the screws C C, as specified, said wings having longitudinal flanges, the metal plates attached to said wings and having ears and springs formed integral therewith, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

MARCELLUS L. WHITCOMB.

Witnesses:

L. E. ROSE,

C. D. RANDALL.