

(No Model.)

P. RAMSER.  
WINDOW SCREEN.

No. 328,064.

Patented Oct. 13, 1885.

*Fig. 1.*

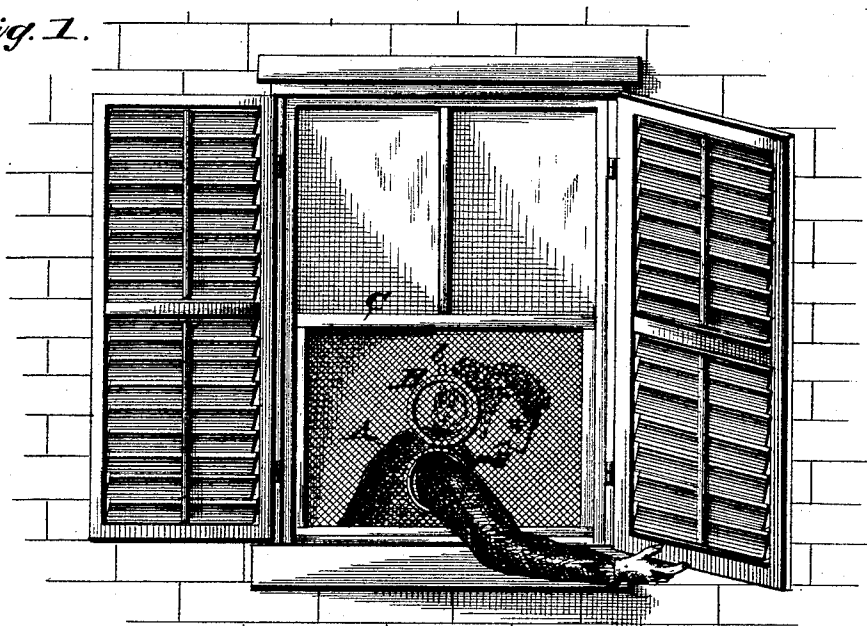


*Fig. 2.*

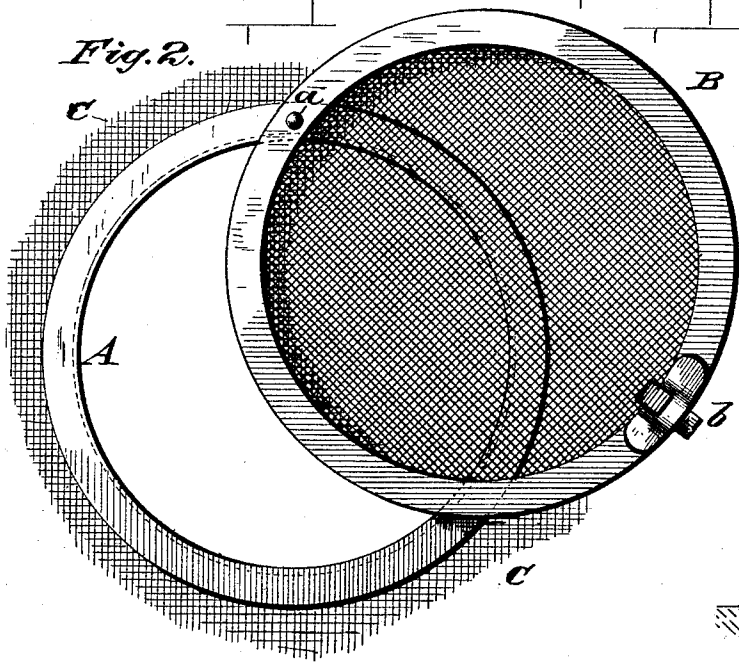
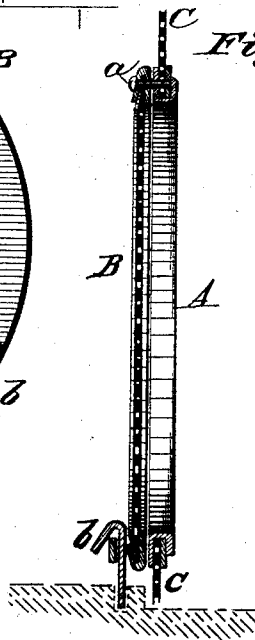


*Fig. 3.*



WITNESSES

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# UNITED STATES PATENT OFFICE.

PAUL RAMSER, OF MONTEZUMA, IOWA.

## WINDOW-SCREEN.

SPECIFICATION forming part of Letters Patent No. 328,064, dated October 13, 1885.

Application filed August 26, 1884. Serial No. 141,480. (No model.)

*To all whom it may concern:*

Be it known that I, PAUL RAMSER, of Montezuma, in the county of Poweshiek and State of Iowa, 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 thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

Before entering upon a description of my invention I desire to state that I am fully aware that in a broad sense it is not new to provide an opening in a window-screen, through which the arm may be thrust to open or close the shutters or slats thereof. The only object I have in view, therefore, is to so simplify an invention of this nature that the desired end may be attained with more ease, facility, and economy than has hitherto been done. The peculiar arrangement by which I arrive at the above results will be apparent from the description now to be given, when taken in connection with the annexed drawings, in which—

Figure 1 represents my device when applied to a window-screen and in practical operation; Fig. 2, a face view of the device by itself half open; Fig. 3, a vertical section of the same.

Similar letters of reference indicate corresponding parts.

A B represent two circular frames or collars, of sheet metal, of equal circumference, which are loosely pivoted together, as shown at *a*. Each collar is composed of two rings, which are so secured together that the outer edge of collar A and the inner edge of collar B will be free to separate, to receive the wire gauze or netting. I prefer to stamp these rings out of sheet metal, leaving one of each pair somewhat broader than its fellow, so that when placed side by side the overlapping edge may be turned down and secured to the ring of lesser width. The inner frame, B, is provided with wire-netting secured between its two rings substantially as indicated above. It is also supplied with sliding bolt or catch *b*.

C represents a frame of wire-netting constructed to fit in the lower part of the window-frame, and which is designed in warm

weather to occupy the place of the lower sash. A circular hole is cut in the netting of frame C, and the edges thereof inserted between the two rings of frame A, and properly secured thereto.

It is obvious that instead of pivoting I may hinge frame or collar B to collar A, or arrange it to slide thereon. Thus it will be seen that when it is desirable to open or close the shutter it is only necessary to unlatch the pivoted frame B, push it to one side, and extend the arm through the opening of frame A, as fully shown in Fig. 1.

It will also be observed that I hang or secure the frame A to the wire-netting itself, and thus dispense with the usual auxiliary devices necessary to reach the same ends accomplished by my simple arrangement.

In frame A one of the rings will have its inner edge bent over and around the inner edge of the other, so as to form an exterior circumferential groove to hold the edges of the screen around the opening therein. In frame B one of the rings will have its outer edge bent over and around the outer edge of the other, so as to form an interior circumferential groove to hold the edges of the inclosed screen.

I am aware that window-screens having doors formed therein have been used, and I do not claim such construction broadly.

Having described my invention, what I claim is—

The combination of the frame A, composed of two rings forming between them an exterior circumferential groove holding the edges of an opening in the screen of the frame C, with the frame B, pivoted or hinged to frame A, and composed of two rings forming between an interior circumferential groove holding the edges of the inclosed screen, substantially as shown and described, for the purpose specified.

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

PAUL RAMSER.

Witnesses:

D. P. ANDERSON,  
G. H. RETZ.