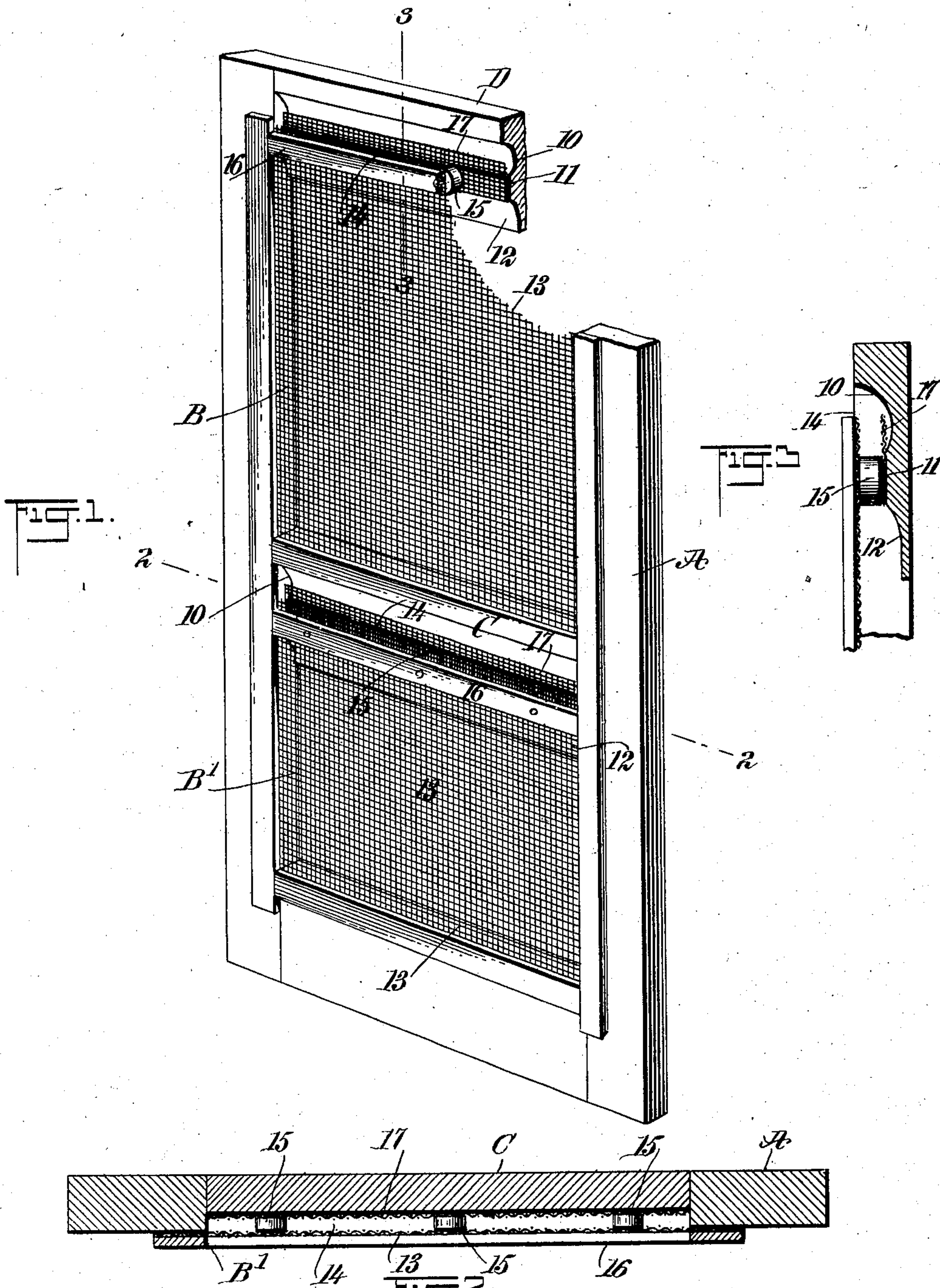


No. 737,307.

PATENTED AUG. 25, 1903.

A. S. WINN.
WINDOW OR DOOR SCREEN.
APPLICATION FILED NOV. 1, 1902.

NO MODEL.



WITNESSES:

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ALVIN S. WINN, OF ESCANABA, MICHIGAN.

WINDOW OR DOOR SCREEN.

SPECIFICATION forming part of Letters Patent No. 737,307, dated August 25, 1903.

Application filed November 1, 1902. Serial No. 129,656. (No model.)

To all whom it may concern:

Be it known that I, ALVIN S. WINN, a citizen of the United States, and a resident of Escanaba, in the county of Delta and State of Michigan, have invented a new and useful Improvement in Window or Door Screens, of which the following is a full, clear, and exact description.

The purpose of the invention is to provide such a construction for the tops and the partition-moldings of any type of window or door screen that flies or other winged insects may readily pass out from a room, but will be effectually prevented from flying or crawling in through the openings prepared for their exit.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a screen-door embodying the features of my invention, parts being broken away. Fig. 2 is a horizontal section taken practically on the line 2 2 of Fig. 1, and Fig. 3 is an enlarged transverse section taken practically on the line 3 3 of Fig. 1.

A represents a screen-door divided into two screen-panels B and B' by a transverse partition C. This partition and likewise the top transverse member D of the frame are similarly shaped at their outer faces, which faces, as is particularly shown in Figs. 1 and 3, are provided with an upper longitudinal concaved recess 10, separated by a plain or straight surface 11 from a lower downwardly and inwardly inclined recess 12. The screen material 13 is attached to the outer surface of the frame in any approved manner, and the upper edge of the said screen material, forming the panel, terminates near the upper portion of the upper concaved recess 10 in the transverse member of the frame of the same panel, whereby an opening 14 for the exit of

insects is formed between the upper portion of the recess 10 and the upper edge of the screen material. Battens or posts 15 are placed at intervals between the screen material 13 and the plain or straight surfaces 11 at the recessed portions of the transverse members of the frame to support the transverse strips 16, utilized to strengthen and stay the upper ends of the panels of screen material and to preserve intact the passages between the lower recesses 12 and the upper recesses 10 in the frame. Finally guard-strips 17, preferably of a reticulated or perforated material, are located between the posts 15 and intermediate plain surfaces 11 of the recessed portions of the frame, which guard-strips extend from one side piece of the frame to the other and above the posts 15 within the upper recesses 10 out of engagement with their walls, usually to the same height as the upper edges of the screen material, as is best shown in Fig. 3.

In operation the flies in a room may readily find an exit through the passages between the screen material 13, the recess portion 12, pass the portion 11 of the frame, and out at the openings 14; but an insect endeavoring to enter the room through the same channel if flying would strike the upper portion of the guard 17, and should the insect endeavor to crawl down the upper concaved recess 10 its downward passage would be stopped by the guard 17, which acts as a barrier.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination with a door-frame, comprising side rails and connecting top and bottom rails, said top rail having a concave groove formed thereon contiguous to the upper longitudinal edge thereof, the lower edge portion of said rail being beveled or concaved parallel to the upper groove, whereby a projecting strip or bead is formed between the grooves, a guard-strip secured to the bead, the upper edge of said strip extending above said bead, an open space being left between the upper edge of the strip and the upper

edge of the top groove, spacing-blocks fastened to said bead, and a panel formed with a body portion of screen-like material, secured to the main frame of the door, the upper edge
5 of said panel being secured to the blocks, substantially as set forth.

In testimony whereof I have signed my

name to this specification in the presence of two subscribing witnesses.

ALVIN S. WINN.

Witnesses:

OSCAR V. LINDEN,
FRED WILD.