

(No Model.)

J. A. HAVILAND.
WINDOW SCREEN.

No. 507,363.

Patented Oct. 24, 1893.

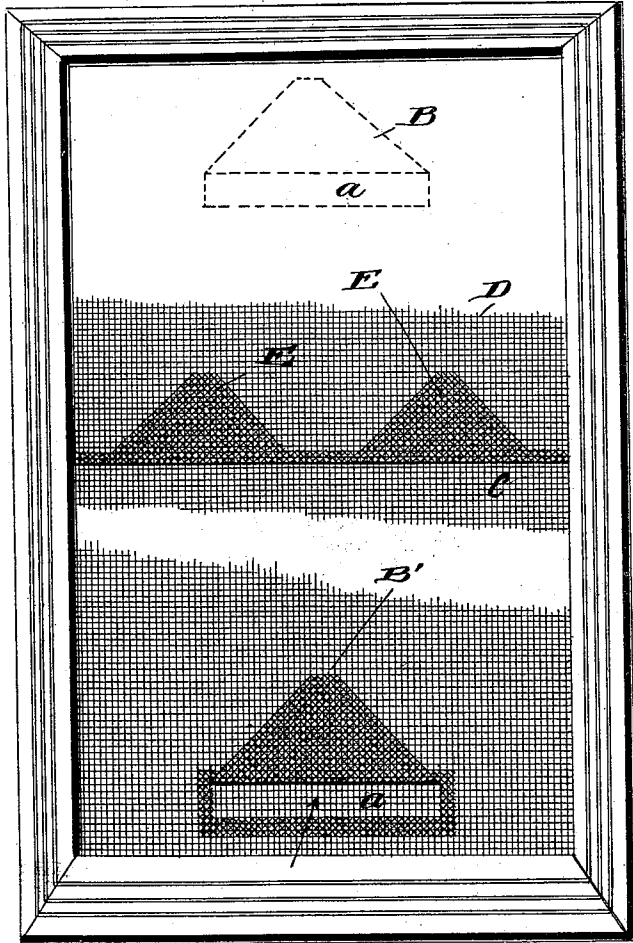


Fig. 2.

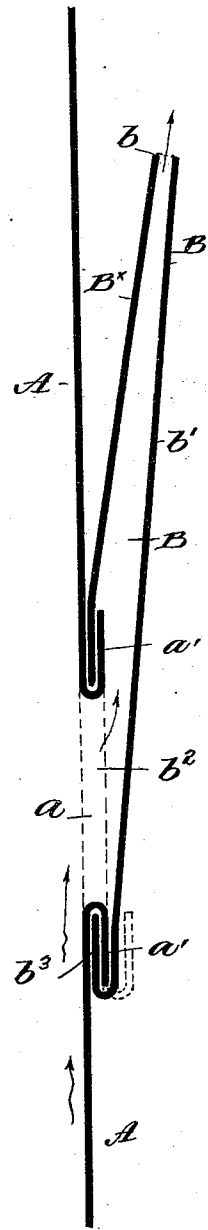


Fig. 3.

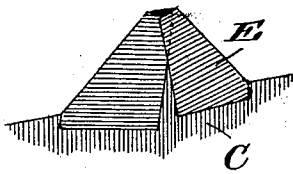
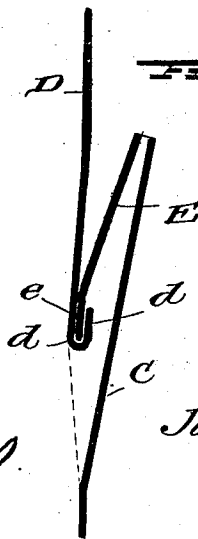


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

JULIA AGNES HAVILAND, OF ST. JOSEPH, MISSOURI.

WINDOW-SCREEN.

SPECIFICATION forming part of Letters Patent No. 507,363, dated October 24, 1893.

Application filed June 12, 1893. Serial No. 477,329. (No model.)

To all whom it may concern:

Be it known that I, JULIA AGNES HAVILAND, a citizen of the United States, residing at St. Joseph, in the county of Buchanan, State of Missouri, have invented certain new and useful Improvements in Window-Screens, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in window screens, or attachments for screens for windows, doors and other openings where it is desired not only to prevent the ingress but to hasten and aid the egress of flies and other insects which may be in the room.

It has for its objects among others to provide a simply-constructed pocket which will serve to conduct the flies and other pests out of the room and prevent their ingress again. This pocket may be constructed and applied in a variety of ways. It may be made separate from the screen and applied about an opening therein; or it may be placed over an opening in any part of a window sash or it may be formed integral with a portion of the screen itself. I have shown both forms.

Other objects and advantages of the invention will hereinafter appear and the novel features thereof will be specifically defined by the appended claims.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a front elevation of a screen embodying my invention. Fig. 2 is a section on an enlarged scale through the pocket. Fig. 3 is a like view of another form. Fig. 4 is a perspective view of the form of pocket shown in Fig. 3 and at about the center of Fig. 1.

Like letters of reference indicate like parts throughout the several views in which they appear.

Referring now to the details of the drawings by letter, A designates a portion of a screen of known construction for a window, door, or other opening, and which may be of any mesh wire desired.

In carrying out my invention as shown in

Fig. 2 and at the bottom in full lines and at the top in dotted lines in Fig. 1, I form a hole or opening a in the screen which opening may be of any desired shape, that shown being rectangular, and over this opening upon the outside of the screen there is secured in any suitable manner my improved pocket. This pocket B is formed of a piece of wire gauze of any desired mesh, preferably of the same mesh as that of which the screen is formed, the material of which it is formed being bent over upon itself to form the tapered portion B' with an opening b at its apex, and with the long side b' and a shorter side B^x as seen best in Fig. 2. The opening or space b^2 between the edges of the two sides is designed to come coincident with the opening a in the screen as best seen in Fig. 2, and the edges of these two sides may be secured about said opening in any suitable manner, as for instance as shown in Fig. 2 in which the material at opposite sides of the opening a is bent upon itself as seen at a' and the lower edge of the shorter side of the pocket rests in the fold a' as shown in Fig. 2, while the lower edge of the longer side is turned up as seen at b^3 and engaged within the lower fold a' of the screen proper. The portions may be held in these positions in various ways, as by clamping them together in any suitable manner, or they may be united with a wire or other thread as seen at the bottom of the screen in Fig. 1. The pocket is preferably arranged so that the apex thereof will extend outward from the outside of the screen as shown in Fig. 2 so as to prevent too great obstruction of the light at this point.

Instead of making the pocket and applying it in the manner above described I may sometimes form the same as shown in Figs. 3 and 4 and at about the center of Fig. 1. In this form the screen proper is made in two parts, C and D, the lower one, C, being formed with the pockets E, one or more, which are substantially the same shape as that in Fig. 2, and the upper part, D, with an upturned flange d at its lower edge which is designed to engage under the lower edge e of the pocket or pockets which are formed at the upper edge of the lower part as shown best in Fig. 3. The two parts may be held

together by clamping or in any other suitable manner.

The manner in which the flies and other insects find their way out through the pocket is illustrated by the arrows in Fig. 2. By the form shown in Fig. 2 the pocket can be applied to any screen already in use.

Other modifications in detail may be resorted to without departing from the spirit of the invention or sacrificing any of its advantages.

What I claim as new is—

1. A screen formed in two parts with a pocket at the junction of said parts formed integrally with one part, folded to form a substantially triangular pocket with overlapping portions and detachably united to the other part, substantially as specified.

2. A pocket for a screen having a substantially triangular shape with long and short

sides with an ingress opening at the base and egress opening at the apex, the shorter side being formed with a portion parallel with the face of the screen for attachment thereto, substantially as specified.

3. The combination with a portion of a screen, of a tapered pocket integral with another portion of the screen and held thereto between folds thereof with the pocket proper inclined from the face of the screen and having egress opening upon one side and an ingress opening upon the other side of the body of the screen, substantially as specified.

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

JULIA AGNES HAVILAND.

Witnesses:

Mrs. K. HAMILTON,
JOHN S. LOGAN, Jr.