

C. M. HAWORTH.
WINDOW SCREEN INSECT ESCAPE.
APPLICATION FILED APR. 6, 1911.

Patented Feb. 20, 1912.

1,018,188.

Fig. 1.

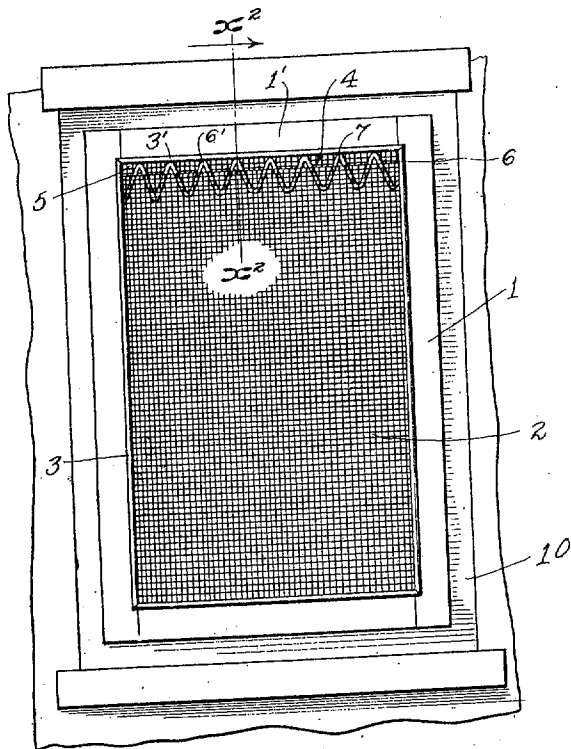


Fig. 2.

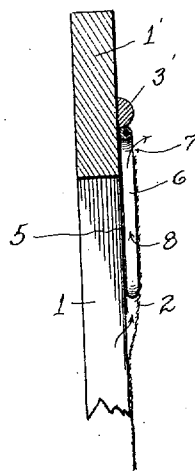
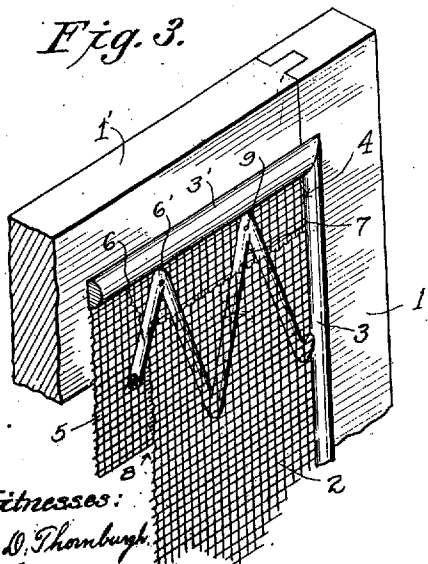


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

CHARLES M. HAWORTH, OF MARICOPA, CALIFORNIA.

WINDOW-SCREEN INSECT-ESCAPE.

1,018,188.

Specification of Letters Patent.

Patented Feb. 20, 1912.

Application filed April 6, 1911. Serial No. 619,375.

To all whom it may concern:

Be it known that I, CHARLES M. HAWORTH, a citizen of the United States of America, residing at Maricopa, in the county of Kern and State of California, have invented a new and useful Window-Screen Insect-Escape, of which the following is a specification.

This invention relates to a device for facilitating the escape of flies or other insects from buildings and is particularly adapted for use in connection with window screens in the walls of a building.

The main object of the invention is to provide a device for this purpose which will be of simple and cheap construction and efficient in operation.

Other objects of the invention will appear hereinafter.

The accompanying drawings illustrate the invention, and referring thereto:

Figure 1 is a side elevation of a window screen with my invention applied thereto. Fig. 2 is a vertical section on line x^2-x^2 in Fig. 1. Fig. 3 is a perspective of a portion of the screen.

Referring to Fig. 1, the window screen is provided with any usual or suitable frame 1 in which is secured the screen body 2 of woven wire, said screen body being held in place, for example, by beads 3 at the sides and bottom of the screen frame and terminating a short distance below the top of the screen frame leaving a space 4 between the top of the screen body 2 and the top bead 3', said screen body 2 preferably extending to a sufficient height to overlap or extend over the top bar 1' of the screen frame which is considerably wider than the bead 3'. An inner screen portion 5 is provided at the top of the screen frame at the inside of the screen body 2, said screen portion 5 being secured to the screen frame by the top bead 3' and by the upper portions of the end beads 3 and extending down a short distance below the upper edge of the screen body 2. Said inner screen portion 5 and the screen body 2 being spaced apart by a separating means 6 consisting of a wire or strip or other suitable means having its ends inserted and held under the end beads 3 of the screen frame. Said spacing means is bent in zigzag shape from end to end and the

upwardly extending bends 6' of said member extend above the upper end of the screen body 2, so that openings 7 are provided at that portion of such bends which extends above the screen body, said openings communicating with the space 8 between the screen body and the inner screen portion 5. Said separating member may be fastened to the top bar at intervals by nails, indicated at 9, driven through holes in the strip.

The operation of the invention is as follows: The screen being put in place in a window frame, indicated at 10 in Fig. 1, any fly or insect lighting on the inside of the screen will instinctively proceed to the top of the screen and in doing so will pass into the space 8 between the screen body 2 and the inner screen portion 5 and will be guided in the upwardly contracting space between the upwardly converging portions of the zigzag separating means to the opening 7 at the top of such portions and above the screen body 2 and will escape through such opening. It will be understood that flies approaching the window from the outside will not be likely to enter said openings on account of the small size of the openings.

What I claim is:

A window screen insect escape comprising a plain frame, a short inner screen portion secured to the top of the frame and projecting partly in front of the opening of the frame, a solid zigzag strip having upwardly and downwardly extending bends and located in front of the inner screen portion, means securing the zigzag strip by its upper bends to the top of the frame above the lower edge of the latter, and a long outer screen portion overlapping the inner screen portion and secured to the bottom and sides of the frame and extending upwardly to a point above the lower edge of the top of the frame near the upper bends so as to leave small triangular openings located above the outer screen portion and providing insect exits.

In testimony whereof, I have hereunto set my hand at Los Angeles California, this 30th day of March 1911.

CHAS. M. HAWORTH.

In presence of—

ARTHUR P. KNIGHT,
FRANK L. A. GRAHAM.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."