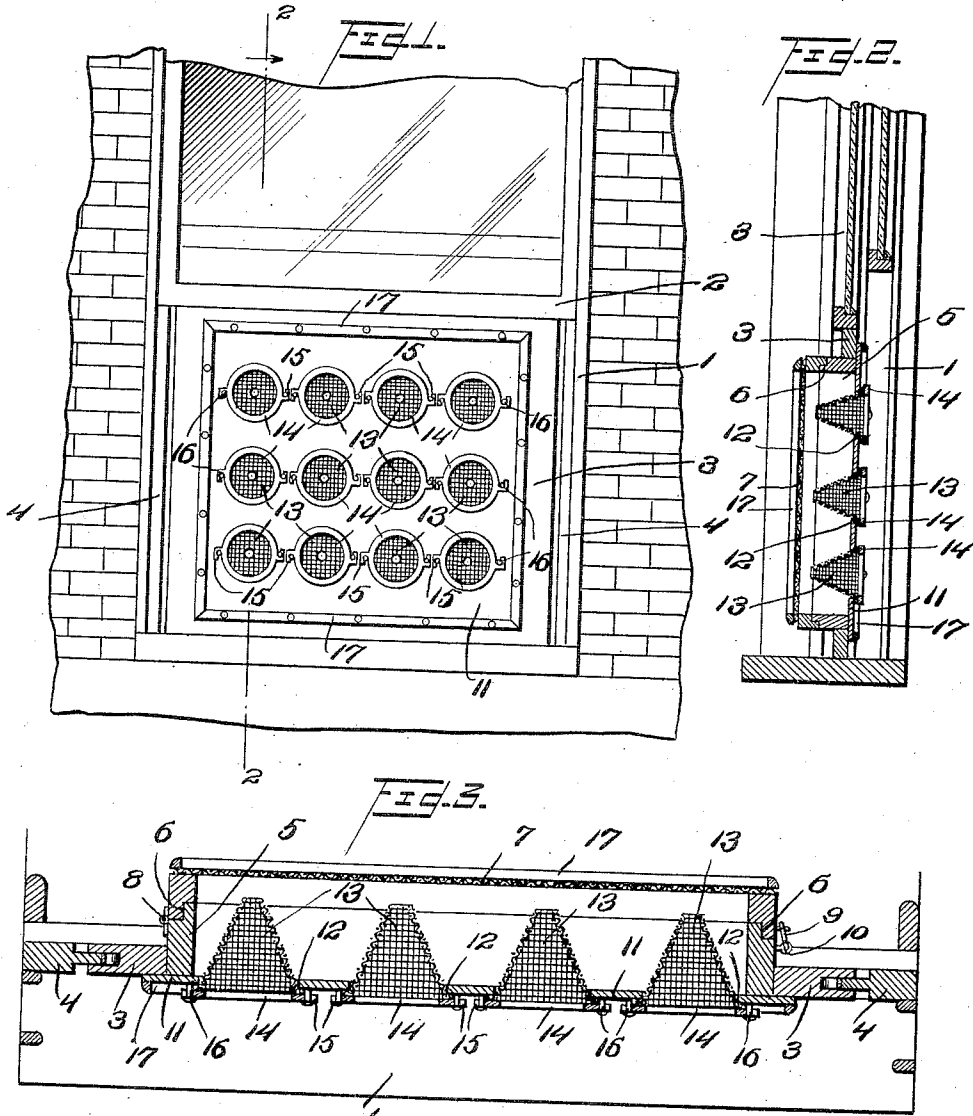


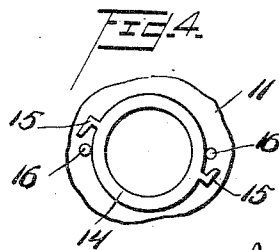
M. GRAF.
MOSQUITO TRAP.
APPLICATION FILED AUG. 15, 1911.

1,044,642.

Patented Nov. 19, 1912.



Witnesses
H. Strauss
C. R. Ziegler.



Inventor
Maurice Graf.

By Joshua R. P. Potts.

Attorney

UNITED STATES PATENT OFFICE.

MAURICE GRAF, OF LLANERCH, PENNSYLVANIA.

MOSQUITO-TRAP.

1,044,642.

Specification of Letters Patent.

Patented Nov. 19, 1912.

Application filed August 15, 1911. Serial No. 644,137.

To all whom it may concern:

Be it known that I, MAURICE GRAF, a citizen of the United States, residing at Llanerch, in the county of Delaware and State of Pennsylvania, have invented certain new and useful Improvements in Mosquito-Traps, of which the following is a specification.

My invention relates to improvements in mosquito traps, the object of the invention being to provide a device of this character which may be supported in any ordinary window opening, and which serves not only as a trap to catch the mosquitos and other insects, but also allows the air to enter the room and screen the opening in the window frame caused by the raising of the sash.

A further object is to provide a device of this character which is adapted to allow a ventilation of the room, and at the same time catch mosquitos and other insects, and permit their extermination.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings: Figure 1, is a view in elevation of the outside of a building illustrating my improvements. Fig. 2, is a view in vertical section on the line 2-2 of Fig. 1. Fig. 3, is a view in horizontal section on an enlarged scale, and Fig. 4, is a fragmentary view in elevation illustrating the manner of securing one of the cones in place.

1, represents a window frame, 2 a sash, and 3 the rectangular frame of my improved trap. This frame 3 is preferably rectangular in form, and is provided with spring-pressed extension strips 4 to engage the sides of the window frame, and hold the trap in place. When the sash 2 is down upon the frame, flies and insects will be excluded except through the entrances provided for their reception as will be hereinafter explained.

In the frame 3, a rectangular box 5 is secured. This box 5 is made in two rectangular sections having rabbet connection as shown at 6 to render the juncture tight, and the inner section to which a wire screen 7 is secured is connected to the other section by means of hinges 8, and is normally held in closed position by hooks 9 and eyes 10 or other suitable securing devices. Across the

front of this box 5, a plate 11 is secured, and this plate 11 is made with a plurality of circular openings 12. In these openings 12, cones 13 are secured with the smaller ends of the cones open and projected into the box 5.

The larger ends of the cones are secured to metal rings 14, which latter are provided with hooks 15 to engage pins 16 on plate 11, and securely hold the cones in place, yet permit of their removal whenever desired.

By reference particularly to Fig. 4, it will be noted that the hooks 15 constitute cams, and when they are turned to engage the pins, they will tightly press against the pins and rigidly hold the cones. To hide the edges of plate 11 and screen 7, suitable beading 17 is provided, and the apparatus may be otherwise ornamented to give it a finished and attractive appearance.

When my improved trap is in position in a window, and we will assume that at night time a light is in the room, the mosquitos will be drawn by the light and will readily find access into the box 5 through the cones 13. They cannot enter the room because of the screen 7, and they are effectually caught.

As the metal plate is necessarily opaque, the light in the room will show through the openings, and the mosquitos attracted by the light will fly straight into the cones and be effectually caught.

In the morning when the light is outside of the house, they will of course try to escape, but they cannot find their way to the open ends of the cones. While they are in the box, they may be effectually destroyed by the heat of a lamp, and the dead insects may be thrown out of the box by opening the section 6.

Various slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

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

1. A mosquito trap comprising a frame, a box secured in the frame and projecting inwardly therefrom, a screen closing the inner face of the box, an opaque plate secured to the outer face of the box and having openings therein, whereby an opaque window

closing structure is formed save for the openings in the said plate, and screen cones secured in said openings and having their open apexes located within the box, all of said cones composed of wire mesh, rings fixed to the larger ends of said cones, cam shaped hooks on said rings, and pins on said plate constructed to be engaged by said cam hooks, substantially as described.

2. A mosquito trap comprising a frame, a box secured in the frame and projecting inwardly therefrom, a screen closing the inner face of the box, an opaque plate secured to the outer face of the box, and having openings therein, whereby an opaque window closing structure is formed save for the openings in the said plate, and screen cones

secured in said openings and having their open apexes located within the box, said box comprising two sections hinged together, and said sections having rabbet connection, all of said cones composed of wire mesh, rings fixed to the larger ends of said cones, cam shaped hooks on said rings, and pins on said plate constructed to be engaged by said cam hooks, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MAURICE GRAF.

Witnesses:

C. R. ZIEGLER,
CHAS. E. POTTS.

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