

MOSQUITO TRAP

BACKGROUND OF THE INVENTION

1. Field of the Invention

This invention relates to mosquito traps and is more particularly directed to one that traps the mosquito when in the larvae stage.

2. Description of the Prior Art

The mosquito is an amphibious insect; a part of its life is spent in water as larvae and pupae and later in life they take to the air as an adult mosquito. The mosquito life begins when the female mosquito lays its eggs on the surface of stagnant water. Larvae soon hatch out, swim in the water seeking minute water organisms as food. These organisms feed on organic food that is in the water. The larvae then transform into pupae in which a complete mosquito is grown to finally fly away. Development from a new egg to an adult mosquito takes from nine to fourteen days.

The conventional ways of destroying mosquito life are by the use of mosquito traps by spraying both the mosquitoes and the areas in which mosquitoes are breeding with insecticides and drying those areas in which stagnant water exists to prevent the breeding of mosquitoes. Mosquito traps for catching mosquitoes are rather inefficient devices and do no more than rid a limited enclosed area such as a room of mosquitoes. Spraying insecticides over areas to be freed of mosquitoes and stagnant waters are somewhat successful in eradicating the area of mosquitoes. However, in spite of the progress made by science in the use of insecticides and the care taken to prevent the existence of breeding areas for mosquitoes, the mosquito is far from having been made extinct. The danger of using certain insecticides that could destroy all mosquitoes would also destroy other forms of beneficial insects as well as being dangerous to human and animal life.

Therefore, it is the intent of the present invention to destroy mosquitoes by a different approach, namely, by the use of a trap which traps the mosquito when it is in its larvae stage and destroys the mosquito that ensues therefrom.

BRIEF SUMMARY OF THE INVENTION

Therefore, a principal object of the present invention is to provide a trap for mosquitoes that entices the female mosquito to lay its eggs in the trap and thereby effect the death of the mosquitoes that are produced by these eggs.

Another object of the present invention is to provide a mosquito trap that offers a desirable breeding ground for mosquitoes to a female mosquito wherein the mosquitoes are bred in the trap and readily killed.

A further object of the present invention is to provide a simple and inexpensive trap for eradicating mosquitoes, which trap is most effective to prevent the propagation of mosquitoes.

A still further object of the present invention is to provide a trap with a receptacle containing stagnant water and having an open and closed chamber separated by a screen, wherein larvae are permitted to breed in the open chamber, and food in the closed chamber causes the larvae to swim through the screen to the food, but cannot swim back to the open chamber, and thereby become trapped.

With these and other objects in view, the invention will be best understood from a consideration of the

following detailed description taken in connection with the accompanying drawings forming a part of this specification, with the understanding, however, that the invention is not confined to any strict conformity with the showing of the drawings but may be changed or modified so long as such changes or modifications mark no material departure from the salient features of the invention as expressed in the appended claims.

BRIEF DESCRIPTION OF THE SEVERAL VIEW OF THE DRAWINGS

In the drawings:

FIG. 1 is a perspective view of a mosquito trap constructed in accordance with my invention.

FIG. 2 is a longitudinal cross sectional view.

FIG. 3 is cross sectional view taken along the line 3—3 of FIG. 2.

FIG. 4 is a perspective view of an alternate construction of my mosquito trap.

FIG. 5 is a cross sectional view taken along the line 5—5 of FIG. 4.

FIG. 6 is an exploded view thereof.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Referring to the drawings wherein like numerals are used to designate similar parts throughout the several views, the numeral 10 refers to a mosquito trap constructed in accordance with my invention and consisting of a pail-like receptacle having an arcuate side wall 11 extending upwardly from a bottom wall 12. Across the open top of the receptacle 10 there extends a sheet of screening 14 that is turned downwardly at the top edge portion 13 of the side wall 11 forming a flange 19. A cord or wire 15 is wound about the flange 19 and its ends tied together to secure the screen 14 to the receptacle 10.

At the center portion of the wire or plastic screen 14 is an opening 16 whose edge portion is engaged by the second wire or plastic screen 17 formed into a cylinder and extending from the bottom wall 12. The arrangement of the screens 14 and 17 in the receptacle 10 as described hereinabove forms a pair of concentric chambers -A- and -B-. Chamber -A- is cylindrical chamber having screen 17 as its side wall, a bottom wall 12 and its top open to the atmosphere as at 16. Chamber -B- is enclosed and consists of a spaced and concentrically disposed solid side wall 11 and a screened side wall 17, the bottom wall 12 and a screened top wall 14. It is obvious that an insect such as a mosquito has a ready access to the chamber -A- through the opening 16 while there is no entry into and escape from the chamber -B- except through the screens 14, 17.

Within opposite sides of the receptacle 10 adjacent the side walls 11 is a pair of posts 18 behind which particles of food 20 used as bait for the larvae and mosquito may be wedged or otherwise secured.

In making my device 10 ready for use as a trap for mosquitoes, the cord 15 is unfastened and the screen 14, 17 which is formed as a unit is lifted from its position in the receptacle 10. Water is poured into the receptacle 10 and food 20 wedged behind the posts 18 as best shown by FIG. 2. The combined screen 14, 17 is then returned to its position over and in the receptacle 10 and the cord 15 wound about the flanged portion 19 to secure the screen 14, 17 to the receptacle 10.

The mosquito trap 10 is now ready to be placed in an area that is to be cleared of mosquitoes. The female