

mosquito will find the stagnant water in the trap 10 to be an ideal place to lay her eggs. She will lay her eggs on the surface of the water after having passed through the central opening 16. She will lay a batch of from 50 to 200 eggs in her lifetime of from 10 days to one month. The eggs will float on the surface of the water in a cluster within the chamber -A-. Very soon thereafter, larvae or wrigglers will soon hatch out of the eggs and commence swimming around in search of food. They feed on minute organisms present in stagnant water and at this time they can swim through the screen 17 into chamber -B- to feed on the food 20; after about a days feeding, the larvae become too large to be able to swim back through the screen openings 17. The larvae then change to the pupae stage which consists of the beginning of the formation of an adult mosquito within a skin or shell. By this time all of the larvae will be found in the chamber -B- as the mosquito being formed needs food to grow to adult size when it leaves its pupa skin to fly off and start its blood thirst hunting life. Since the screens 14 and 17 are of such fine mesh as to permit the larvae to pass therethrough, it will not permit the grown larvae, pupae or the newly formed adult mosquito to pass, and thereby trap the mosquitoes in chamber -B-. Since the life span of the mosquito is short, the trapped mosquitoes will soon die. If it is desired to rebait the trap 10, the trapped mosquitoes can be killed by either burning, using insecticides or filling the receptacle 10 and drowning the trapped mosquitoes.

An alternate construction of my mosquito trap is shown by FIGS. 4-6 inclusive, the trap 30 consisting of a rectangular side walls 31, end walls 32 joined together at their edge portions and to a bottom wall 33 to form an open top container. In proximity of one end wall 32 there is a pair of spaced upright members 34 mounted on each of the side walls 31 to form a vertically disposed slotted portion 35. Adjacent to the other end wall 32 there is a plate 36 extending upright from the bottom wall 33 in close spaced relation to the end wall 32 to permit food 20 to be placed and wedged therebetween as bait for the organisms. The mosquitoes, in turn, feed on the organisms.

A screen member consisting of the screen bent as at 37 into an L-shape forming a top closure member 38 and a side closure member 39 is mounted on the receptacle 10. The side closure screen member 39 is slidably fitted into the slots 35 to rest on the bottom wall 33 while the top closure screen member 38 rests on the top edges of the side walls 31 and the end wall 32 as best shown by FIG. 5. The screen members 38, 39 form chambers -C- and -D-. Chamber -C- is completely enclosed forming a trap to prevent the escape of mosquitoes. Chamber -D- is open to the atmosphere as at 40; the chamber being formed by the end wall 32, screen member 39, portions of the side walls 31 and the bottom wall 33. To prevent the mosquitoes from escaping from the chamber -C- at the juncture of the screen member 38 and the top edges of the side walls 31 and end wall 32, there is provided a lid 41 that fits over the top portion of the receptacle 30. The lid 41 is provided with an opening 42 that permits access of the female mosquito to the opening 40 of the chamber -D-.

In order to prepare my mosquito trap 30 for use, the lid 41 is removed and the screen member 38, 39 slid upwardly along the slots 35. Water is poured in the receptacle 30 and food 20 is placed behind the plate member 36. The screen portion 39 is then fitted in the slots 35 and slid downwardly until the screen portion

38 rests on the top edges of the receptacle 30. The lid 41 is then replaced on the receptacle 30.

The stagnant water in the receptacle 30 will attract the female mosquitoes that will then enter the trap 30 via the openings 42, 40 and lay its eggs in the water contained in the chamber -D-. The larvae which will then be produced from the eggs will swim through the side screen 39 and enter the chamber -C- to feed on the organisms in that chamber. The organisms feed on the food 20 while the mosquitoes feed on the organisms that are clustered about the food 20. In a short time the larvae will grow in size and become too large to swim back through the side screen 39 and when they have become pupae and later grown to the young adult mosquito stages, they are too large to pass through the screen 38, 39. Consequently, these mosquitoes are trapped and soon die or can be readily destroyed in order to rebait the trap 30.

It is readily appreciated from the above description taken in connection with the accompanying drawings, my mosquito traps 10, 30 can eventually do away with mosquitoes, at least in areas where these traps are used. Female mosquitoes prefer to lay her eggs in water. However, during the dry season, she will lay them in any area that is damp and promises to become a watery area. The eggs will remain unhatched until the water is forthcoming and the eggs life cycle commences. These traps 10, 30 will give the female mosquito a desirable place to lay her eggs whether in the dry or wet season. In either event, the mosquitoes that are hatched in my traps will not live to continue the propagation of mosquito life.

What I claim as new and desire to secure by Letters Patent is:

1. A mosquito trap comprising an open top receptacle for containing water and the like, a screen member mounted in substantially an upright position in said receptacle, said screen member dividing said receptacle into two chambers in side by side relation, cover means enclosing one of said chambers and food retaining means mounted in said one of said chambers remote from the other of said chambers whereby female mosquitoes are given access to that portion of said water placed in said receptacle that is positioned in said other of said chambers in order to permit them to lay their eggs thereon.

2. The structure as recited by claim 1 wherein said screen member has openings of such size to permit larvae formed from said eggs to pass from said other of said chambers to said one of said chambers but not sufficiently large to permit young adult mosquitoes to escape from said one of said chambers.

3. The structure as recited by claim 2 wherein said cover means comprises a further screen member having openings of substantially the same size as said first named screen member.

4. The structure as recited by claim 3 wherein said receptacle is substantially rectangular in shape having side walls, slotted portions mounted on said side walls in opposing relation, said first named screen member being slidably positioned in said slotted portions and said further screen member formed integrally with said first named screen member and lid means mounted over said receptacle engaging said further screen member, said lid means having an opening extending over both of said chambers.

5. The structure as recited by claim 3 wherein said receptacle has an arcuate side wall and a bottom wall,