Aug. 24, 1937. K. E. SWITZER 2,091,221

INSECT SNARE

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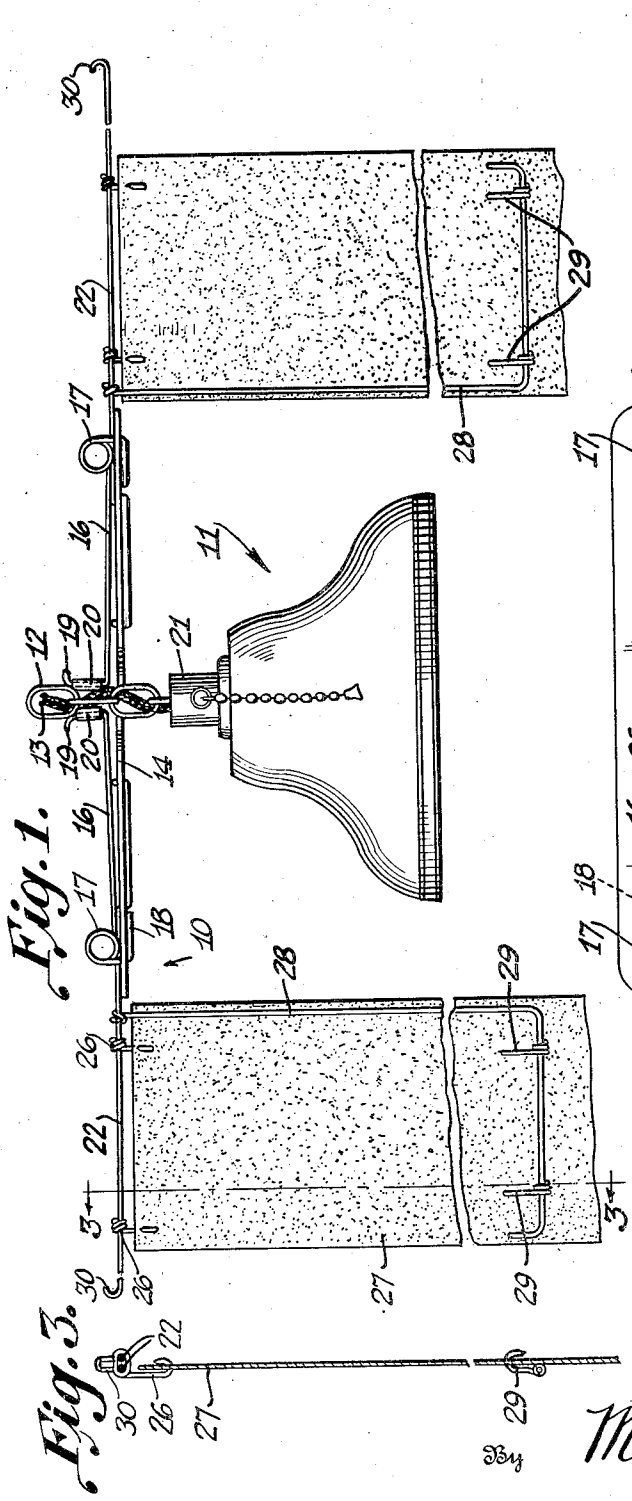


Fig. 1.

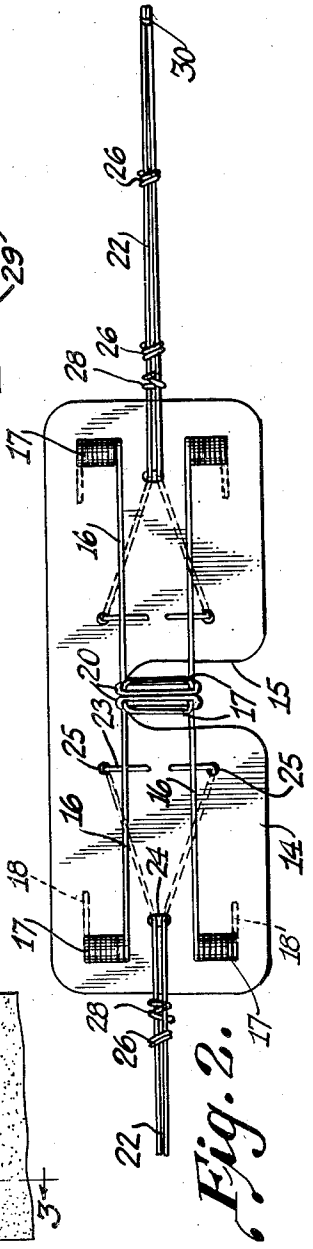


Fig. 2.

Fig. 3.

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INSECT SNARE

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6 Claims. (Cl. 43—113)

This invention relates to an insect snare and has for an object to provide an improved insect snare for catching such insects as gnats, millers, moths and other pests or flies that are attracted to and swarm about the light at home or other buildings including both lights used inside a building as well as lights attached to the outside of a building.

During certain seasons of the year lights at night prove great attractive points for many types of insects especially around the home, which is particularly true if the light is on the outside of a building, as on a porch, even though the porch is screened in, and such insects manage to find their way in through the screen or through the open screen door and prove extreme pests and sources of annoyance. Fly paper or sticking paper commercially sold under various trade names is a desirable means for catching and destroying insects and flies and it is a feature of this invention to provide a contrivance for mounting or holding the fly paper in such a manner that it will be easily and quickly secured to any pendant light fixture in such a way as to provide a maximum amount of entrapping surface for any insects that may gather around that particular light.

As a further feature the contrivance of this invention is such that it may be quickly and easily attached to and detached from any pendant light without disturbing the position of the fly paper already thereon. In this manner it is possible to temporarily mount the insect snare of this invention on any convenient light fixture such as a porch light while the porch is being used, and thereafter remove the snare from the porch light when the light is extinguished upon retiring.

As a further feature the part of the mounting means for securing the snare to the light fixture is concealed behind a panel which serves as additional reflecting means or the like while the fly paper itself is supported in a vertical position so as to cast a minimum amount of shadow and interfere with the efficiency of the light to the minimum degree, and in addition the added reflection of the panel will more than counterbalance the slight amount of shadow cast by the vertical fly paper or its supporting means.

With the foregoing and other objects in view, as will hereinafter become apparent, this invention comprises the constructions, combinations and arrangements of parts hereinafter set forth, disclosed and claimed.

Figure 1 is an elevational view of the insect snare in operative position,

Figure 2 is a top plan view of the insect snare support per se, and

Figure 3 is a sectional view on the line 3—3 of Figure 1.

There is shown at 10 the insect snare of this invention which is adapted to be used in cooperation with any conventional light fixture such as shown at 11. The light fixture 11 may be supported in the usual manner by the chain 12 through which are threaded electric wires 13 as usual.

The insect snare 10 of this invention includes a supporting panel 14 which is substantially rectangular in outline, but is provided with a U-shaped incision 15 along one edge thereof, enabling the same to be mounted over the supporting chain 12 and electric wires 13 of the fixture 11. This panel 14 may be made of paste board or of other inexpensive material and will generally be provided on its bottom at least with a reflecting surface so as to act as an additional reflector for the light fixture 11.

In order to detachably secure the panel 14 above the fixture 11, the panel 14 is provided with a pair of spring clamps 16. Each spring clamp 16 is generally U-shaped and is provided at the end of each leg with a coil spring 17 having a finger 18 extending through the panel for holding the spring clamp in position thereon. The bight of each clamp 16 is turned upwardly and then outwardly and each bight 19 is enclosed in a metal band or strap 20 encircling the same, so that when mounted on the panel the straps or bands 20 are forced into contact with each other through the strength of the coil springs 17.

In order to mount the snare 10 above the light fixture 11 the clamps 16 are set apart by grasping the bights 19 and pulling them away from each other to allow the same to be mounted over the electric wires 13 and chain 12. Obviously if no chain 12 be present the band 20 will still clamp electric wires 13 therebetween causing incision 15 of panel 14 to partly encircle a light fixture socket 21.

Extending from opposite ends of panel 14 are a pair of horizontal supporting wires 22. These supporting wires 22 extend a substantial distance beyond the ends of the panel 14 so as to permit adjustment of the fly paper thereon depending upon the size of the fixture 11. The supporting wires 22 each consist of a doubled over wire member having its ends 23 inserted through a common

aperture 24 in the panel 14 and then spread apart and individually extending through separate apertures 25 and then bent at right angles as shown so as to hold the wires 22 fixed relative to the panel 14.

A pair of hook members 26 are slidably supported on each wire 22 and are adapted to have a section of fly paper 27 supported thereover as shown. An L-shaped wire 28 is likewise slidably supported on the wire 22 and is provided with a pair of lower hook members 29 pivoted on the bottom leg of the L so as to enter the fly paper 27 and thus hold it in substantially vertical position extended from the wire 22. The outer ends of the wires 22 are folded over to form stops 30 so as to prevent hooks 26 and wire 28 from being slid beyond the ends thereof. Although a single piece of fly paper 27 has been shown on each set of hook members it will be obvious that two pieces of fly paper 27 back to back with their sticky surfaces outside may be placed on each set of hooks so as to provide an insect catching surface on each outer side thereof.

The novel features and the operation of this device will be apparent from the foregoing description. While the device has been shown and the structure described in detail, it is obvious that this invention is not to be considered limited to the exact form disclosed and that changes may be made therein within the scope of what is claimed without departing from the spirit of the invention.

Having thus set forth and disclosed the nature of this invention, what is claimed is:

1. An insect snare mount for fly paper comprising a panel, means for detachably securing said panel to a light fixture in a horizontal light reflecting position and means extending from said panel for supporting a plurality of sheets of fly paper in a vertical position.

2. An insect snare mount for fly paper comprising a panel, means for detachably securing said panel to a light fixture in a horizontal position and means extending from said panel for supporting a plurality of sheets of fly paper in a vertical position, said supporting means being adjustable relative to said panel.

3. An insect snare comprising a substantially horizontal panel having an incision on one side thereof permitting the same to be placed over a light fixture, clamping means secured to said panel adapted to cooperate with the light fixture and hold said panel in horizontal position, supporting wire means extending from said panel and pendant hook means slidably dependent from said wire means for supporting fly paper thereon,

4. An insect snare comprising a substantially horizontal panel having an incision on one side thereof permitting the same to be placed over a light fixture, clamping means secured to said panel adapted to cooperate with the light fixture and hold said panel in horizontal position, supporting wire means extending from said panel and pendant hook means slidably dependent from said wire means for supporting fly paper thereon, said hook means including an L-shaped wire member whereby part of said hook means may cooperate with both the top and bottom edges of the fly paper.

5. An insect snare comprising a reflector panel having an incision in one edge thereof permitting the same to be placed over the supporting means of a light fixture, a pair of U-shaped wire clamp members secured to said panel, each clamp member being formed with a pair of coil springs, the bight of the U of one clamp extending toward the bight of the U of the other clamp member, said bights being folded upwardly and away from each other, metal band members encompassing the bights of the U and being urged into contact with each other by said coil springs, and fly paper supporting means extending from each end of said panel.

6. An insect snare comprising a reflector panel having an incision in one edge thereof permitting the same to be placed over the supporting means of a light fixture, a pair of U-shaped wire clamp members secured to said panel, each clamp member being formed with a pair of coil springs, the bight of the U of one clamp extending toward the bight of the U of the other clamp member, said bights being folded upwardly and away from each other, metal band members encompassing the bights of each U and being urged into contact with each other by said coil springs, and fly paper supporting means extending from each end of said panel, each of said fly paper supporting means comprising a folded over wire member having its ends inserted thru perforations in said panel to hold said wire member in horizontal position, a pair of fly paper supporting hooks supported on each of said wire members, the end of each of said wire members being bent over to provide a stop preventing loss of said wire hooks, said wire hooks being adapted to receive the top of a piece of fly paper thereon, an L-shaped pendant wire slidably supported on said wire member, and a second pair of wire hooks secured to the leg of said L-shaped pendant wire member to cooperate with the bottom of said fly paper.

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