

(Model.)

W. G. JESSE.

INSECT TRAP.

No. 266,827.

Patented Oct. 31, 1882.

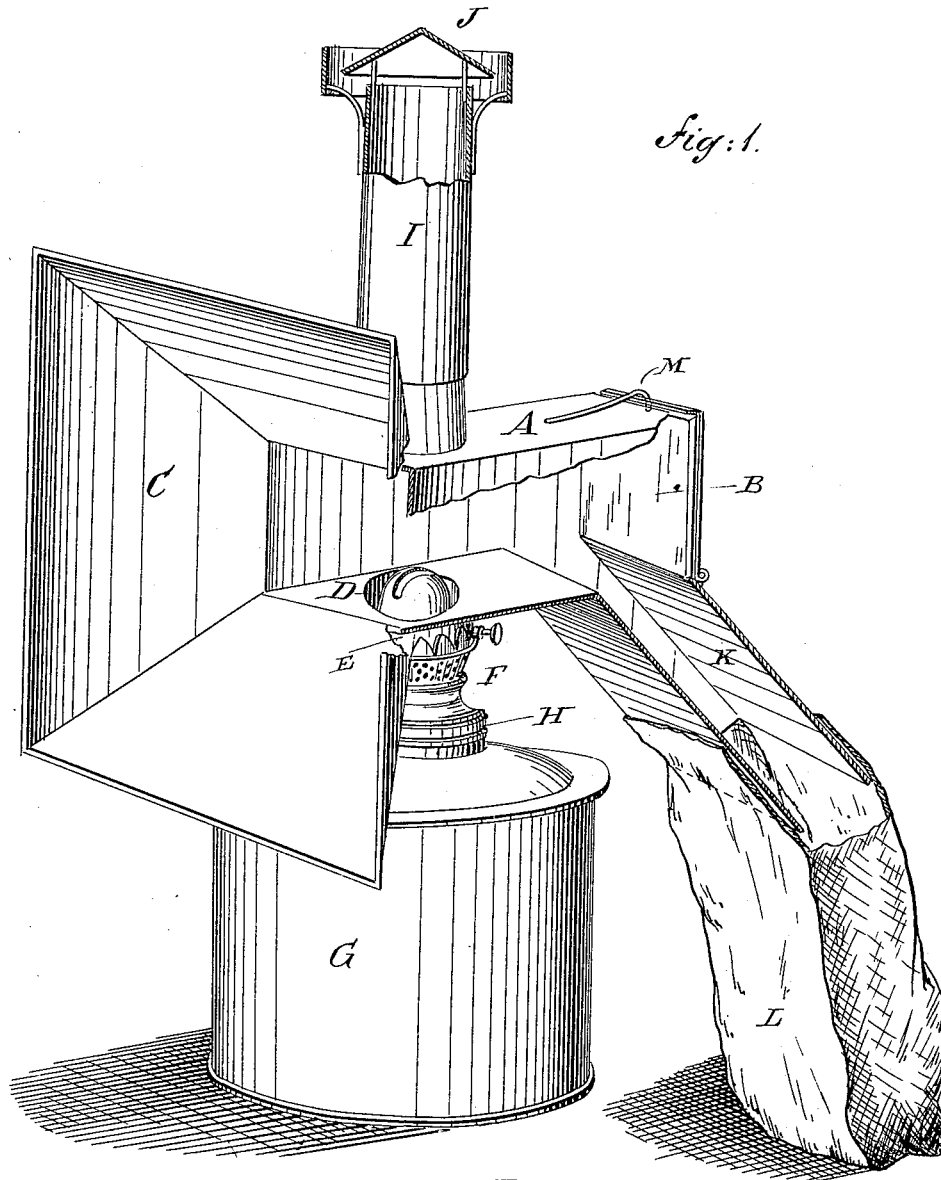
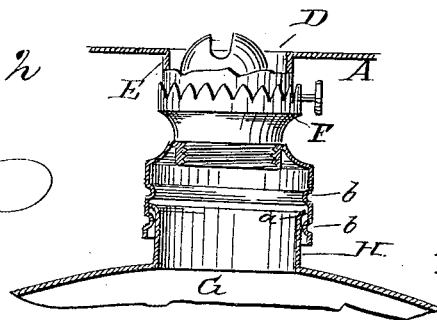


Fig: 2.



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INSECT-TRAP.

SPECIFICATION forming part of Letters Patent No. 266,827, dated October 31, 1882.

Application filed August 21, 1882. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM G. JESSE, of Georgetown, in the county of Scott and State of Kentucky, have invented a new and Improved Insect-Trap, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved trap for catching tobacco-flies, cotton-flies, bee-millers, and other insects which injure the crops.

The invention consists in a box adapted to be mounted to turn on a lamp and provided at its inner end with a mirror.

The invention further consists in a downwardly-inclined chute between the lamp-burner and the mirror, to the lower end of which chute a bag or receptacle is attached for receiving the insects which have been killed or crippled by the flame in passing over the same to the mirror.

The invention also consists in the combination, with the collar of the lamp, of a burner adapted to turn in the same, on which burner the above-named box rests, so that the box can turn to present its closed end to the wind.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a perspective view of my improved insect-trap, parts being broken out and shown in section. Fig. 2 is a detail cross-sectional view of the lamp-collar.

An oblong box, A, has one end closed and provided on the inner surface with a mirror, B, and at the opposite end, which is open, the box is provided with a flaring or funnel-shaped mouth, C. The box is provided in its bottom with an opening, D, surrounded by a downwardly-projecting collar, E, which rests on the burner F of a lamp, G, which burner is secured on the collar H of the lamp G in such a manner that it can turn, but cannot be removed. This is accomplished by providing the lamp-collar H with an outwardly-projecting flange, a, and with prongs and spinning or other wire, forming internally-projecting ridges b on the burner-collar above and below the flange a of the collar H, as shown in Fig. 2. Above the opening D the box A is provided with a chimney, I, provided with a rain and wind cap, J,

in the usual manner. At the inner end of the box A—that is, adjoining to the mirror B—an inclined chute, K, extends downward, and a bag, L, of canvas or other material, is secured to the lower end of said chute. That end of the box A to which the mirror B is attached is preferably hinged or made removable, so that the mirror can be cleaned and polished conveniently. The said hinged end is held closed by means of a latch or spring-catch, M, on the box A.

The operation is as follows: The insects are attracted by the glare of the light and enter the box A and attempt to reach the light and the reflection of the same in the mirror B. In doing so they pass the flame of the lamp and have their wings singed or burned. The crippled insects then drop on the floor of the box A and slide down the chute K into the bag L, in which they remain, as it is cool therein. If they leave the bag, they must pass the flame again, and will then be destroyed. As the box A can turn on the lamp-burner, the wind cannot extinguish the light, as the wind always turns the box A in such a manner that the closed end is presented to the wind.

I am aware that a conical head provided with a reflector, a lamp, and fluid-vat surrounding the lamp, has been poised upon a pivot, so as to turn with the wind; and I am also aware that a chimney of a lamp has been provided with an opening at one side to receive a funnel, and I therefore do not claim such invention.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. In an insect-trap, the combination, with a lamp, of a box having a mirror at its closed end, mounted on the lamp and adapted to turn thereon, substantially as herein shown and described.

2. In an insect-trap, the combination, with a box having an open end and adapted to be mounted on a lamp, of a downwardly-inclined chute at the inner end of the same, and of a bag or receptacle attached to the lower end of the said chute, substantially as herein shown and described, and for the purpose set forth.

3. In an insect-trap, the combination, with the box A, having an open end and constructed

ed to be mounted on a lamp, of the mirror B at the inner end of said box, the downwardly-inclined chute K between the lamp-burner and the mirror, and the bag or receptacle L, attached to the lower end of the chute, substantially as herein shown and described, and for the purpose set forth.

4. In an insect-trap, the combination, with the box A, having its inner end made removable, of a mirror, B, attached to the said inner end, and of a catch or latch for locking the said movable end in place, substantially as herein shown and described, and for the purpose set forth.

5. In an insect-trap, the combination, with the box A, of the lamp G, having a collar, H,

with an outwardly-turned flange, *a*, and the burner F, provided with annular internal ridges, *b*, above and below the flange *a*, substantially as herein shown and described, and for the purpose set forth.

6. In an insect-trap, the combination, with the lamp G, of the box A, provided with a flaring mouth, C, the mirror B, the downwardly-inclined chute K, and the bag L, substantially as herein shown and described, and for the purpose set forth.

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Witnesses:

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