C. F. WOOD.

INSECT TRAP.

APPLICATION FILED JULY 3, 1914.

1,183,615. Patented May 16, 1916.

FIG. 1.

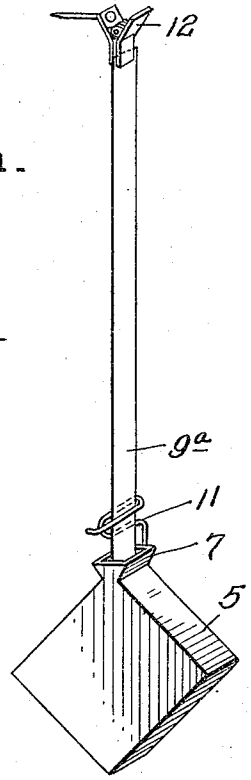


FIG. 2.

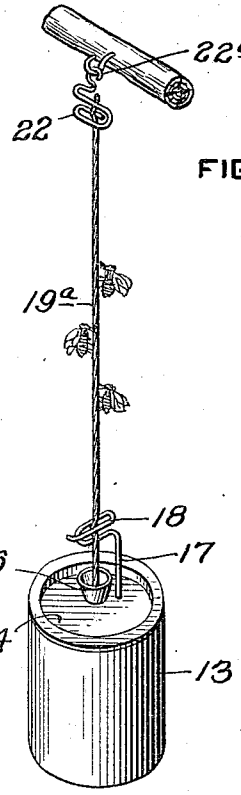


FIG. 3.

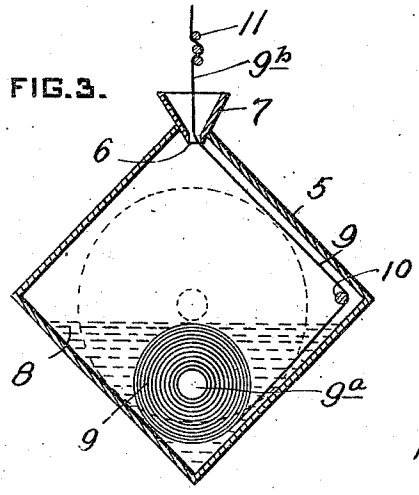
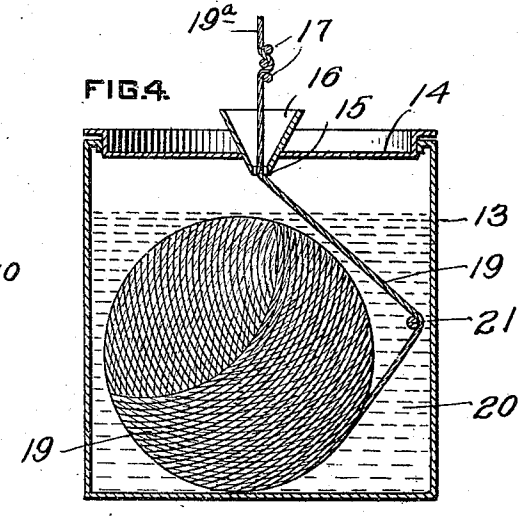


FIG. 4.



WITNESSES

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INSECT-TRAP.

1,183,615. Specification of Letters Patent. Patented May 16, 1916.

Application filed July 3, 1914. Serial No. 848,774.

To all whom it may concern:

Be it known that I, CHARLES F. WOOD, a citizen of the United States, residing at Louisville, in the State of Kentucky, have invented certain new and useful Improvements in Insect-Traps, of which the following is a specification.

My invention relates generally to devices for snaring insects by a sticky material and containers of material adapted for the purpose. Its primary objects are to continually supply various lengths of cord or tape properly coated for the purpose and supported in proper position, and to provide a container which is efficient and durable and sightly in appearance.

The invention is illustrated in the accompanying drawing in which—

Figure 1 is a perspective view of a form of container with a length of flexible tape drawn out therefrom, and the container suspended from such drawn out portion; Fig. 2 is a similar perspective view of a different form of container and sticky string; Figs. 3 and 4 are respectively vertical sections of the containers of Figs. 1 and 2.

Suspended strips of tape coated with sticky fluid have heretofore been used for catching insects, and sometimes the strip of tape has been packed in a small case in the form of a roll which when drawn out fully may be held in vertical position by the weight of the case; in my invention I provide a container of liquid in which is immersed a supply roll or ball of string or cord or tape, and the container is provided with an attaching device, so that any desired length of the cord may be drawn out, and when its top end is supported the cord in turn supports the container and thus is held in proper vertical position, so as to catch the drip from the string, and also to prevent the cord flying loosely around in currents of air. The cord may thus be used for catching flies, or for banding trees or similar purposes, as will be obvious.

The drawing shows two simple illustrations of the invention; and referring first to Figs. 1 and 3, it will be seen that I provide a vessel 5 closed at all points except for an outlet 6 at the top, which outlet is preferably formed as the bottom of a funnel 7. The vessel contains a supply of insect trapping liquid 8, and submerged in this liquid is a tightly wound roll of tape 9, which is prevented from lifting out of the liquid by being wound on a heavy metal rod 9^a, and also is preferably passed around a laterally placed guide rod 10 before emerging from the outlet 6. Formed as a part of the vessel, or in any convenient way attached thereto, I provide a fastening device, as for instance the wire loop 11 in this case, in which the tape may be slid to adjust to any length and designed to securely hold the drawn out portion 9^b of the tape 9 so that the vessel may be suspended by this portion of the tape. At the extreme end of it I may employ any desired form of fastening device, as for example the spring clamp 12, having a perforated leaf to hang on a nail, as shown in this case.

It will be understood that any desired length of the tape may be drawn out and thus exposed and held securely in a fixed vertical position, while the funnel 7 will catch any drip and return it to the vessel 5. When covered with flies this exposed length may be cut off and thrown away, and a new portion drawn out for exposure.

In Figs. 2 and 4 I show a different form of container and medium for carrying the trapping material. The vessel in this case is a round can 13 closed by an indented top 14, which top has a small central orifice 15, formed as the bottom of a funnel 16. Here again I have provided a fastening device 17 attached to the can, and arranged with a gripper 18 to securely hold the can to the extended portion 19^a of the cord, which is here wound in a ball 19 and submerged in the liquid 20 contained in the can, passing out over the guide 21 and held at the extreme end of the extended portion by any convenient fastener, as spring clip 22, having a hook 22^a for suspending. The ball of cord when soaked with the liquid will generally be sufficiently heavy to keep it submerged.

It will of course be understood that the container may be of any shape, size or material, and that I may use any convenient form of fastener attached in any convenient way to the vessel for holding the can to the drawn out section of the cord. The cord may be of any desired form, and preferably either in the form of a fibrous round cord or a flat tape of paper. A roll of paper is preferably wound so tight as to prevent the fluid entering between layers so that the tape will

unwind more easily. The weight of the vessel will hold the cord in correct vertical position. When an exposed length of the cord has been covered with insects, cut off, and a renewed portion drawn out, it will be observed that as it is drawn out it is freshly coated with new liquid. The material is well adapted for banding trees with a heavy fibrous cord of round section; the liquid may of course contain a poison when this is desired. The device lends itself readily to packing for transportation, is neat in appearance and for handling, and is very economical of the trapping materials.

In the following claims it will be understood that the term "cord" is here used to include a tape or any form of extended flexible carrying medium for the trapping liquid or paste.

Having thus described my invention, what I claim is:

1. An insect trapping device comprising a closed receptacle having a funnel shaped aperture in its top, a package of flexible cord in the vessel, a quantity of sticky fluid submerging said package, a device near the aperture of the vessel for positively and adjustably attaching a drawn out portion of the cord, and means for suspending the vessel and the drawn out portion of the cord from the top or free end of the cord, substantially as described.

2. An insect trap comprising the combination of a metallic vessel having a removable closing top with a funnel shaped aperture therein, a package of flexible cord and a coating liquid contained in the vessel, an attaching device at the aperture adapted to affix the vessel to a drawn out portion of the cord so that the free end of the cord being supported the vessel hangs in position to drain any liquid from the cord and meantime to hold the cord steadily in vertical position at an adjustable height from the end of the cord, substantially as described.

CHARLES F. WOOD.

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