

W. P. EVERETT.

FLY TRAP.

APPLICATION FILED MAY 8, 1908.

898,857.

Patented Sept. 15, 1908.

Fig. 1.

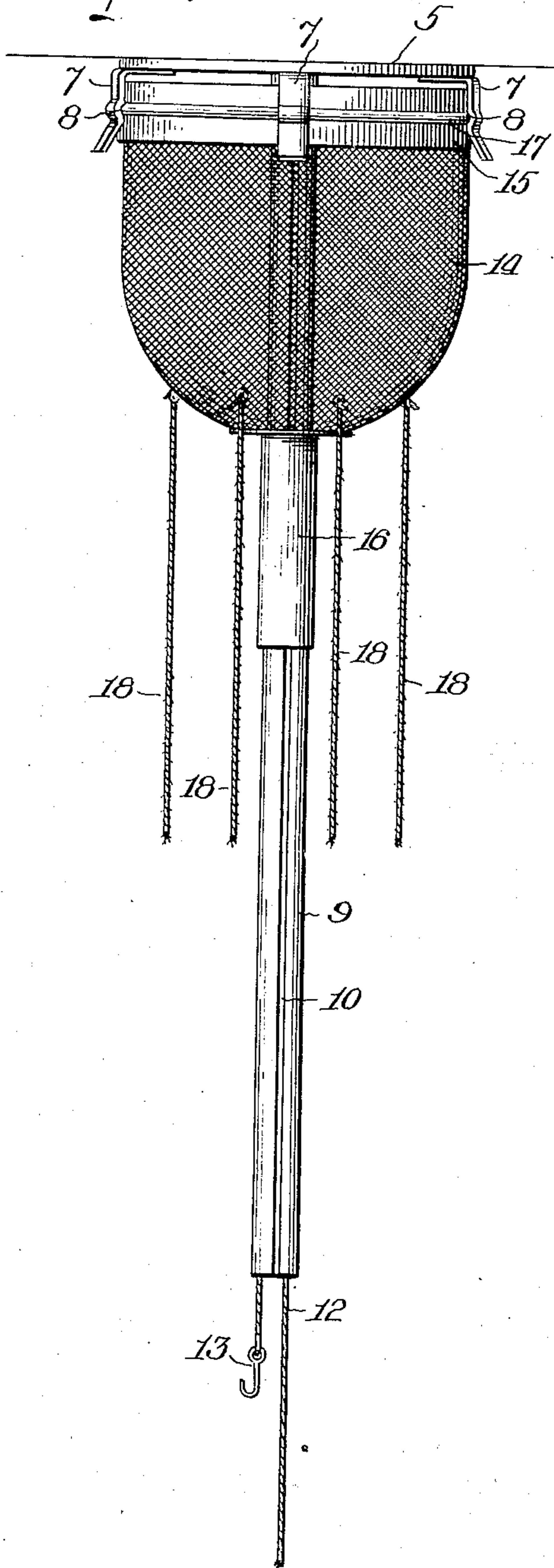
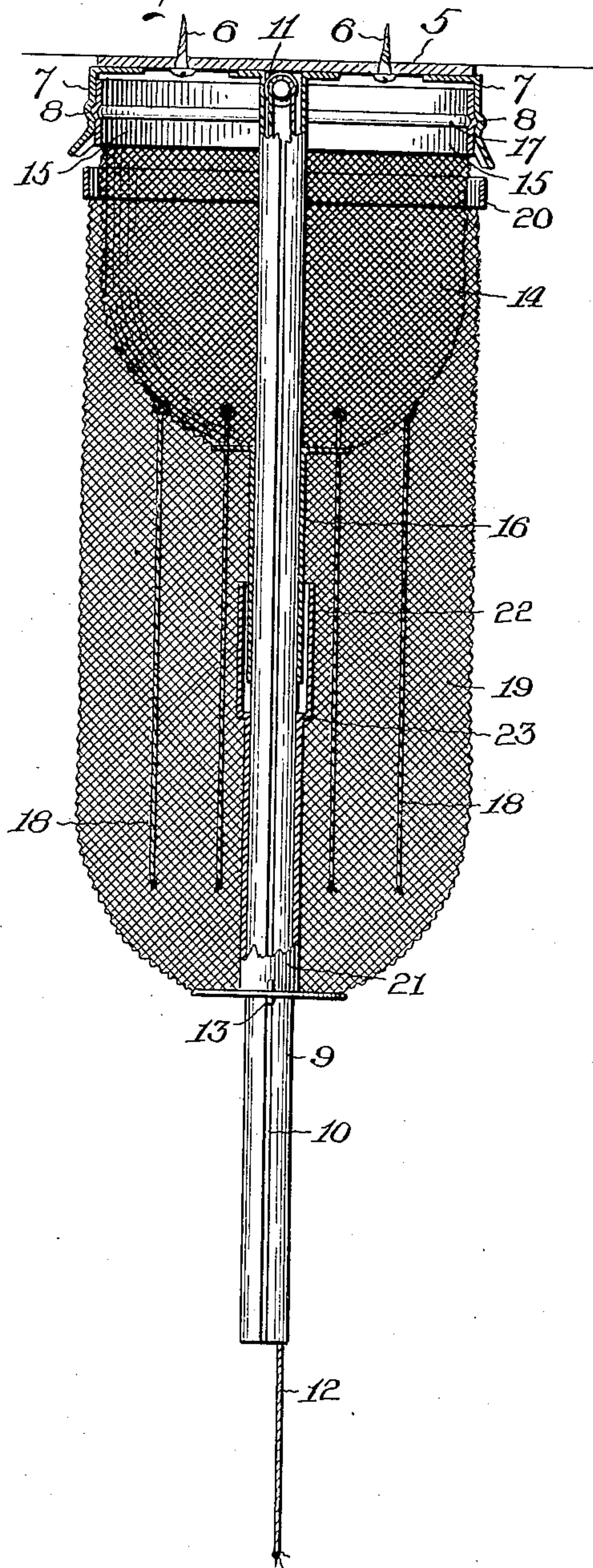


Fig. 2.



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FLY-TRAP.

No. 898,857,

Specification of Letters Patent.

Patented Sept. 15, 1908.

Application filed May 8, 1908. Serial No. 431,636.

To all whom it may concern:

Be it known that I, WILLIAM P. EVERETT, a citizen of the United States, residing at Hornbeck, in the parish of Vernon and State of Louisiana, have invented certain Improvements in Fly-Traps, of which the following is a specification.

My present invention is more especially an improvement upon the fly-trap shown and described in my prior patent, No. 885,592, issued April 21st, 1908.

The principal object of my present invention is to provide means by which the bait-section and the inclosing trap-section of the device may be each raised independently to engage the ceiling-plate, and both sections lowered, by a person standing on the floor, thus dispensing with the use of a step-ladder as required in the operation of the device disclosed in my aforesaid patent.

With this principal object in view my present invention contemplates the provision of supporting devices for the bait-section so constructed that the latter will be automatically released when the trap-section is brought into engagement with said supporting devices, whereby when the flies are entrapped both sections may be lowered together; in connection with means for raising and lowering the sections, and for guiding them; all as hereinafter fully described and specifically set forth in the appended claims.

In the accompanying drawings, which form a part of this specification:—Figure 1 is a side view showing the bait section suspended from the ceiling-plate in position for the flies to collect thereon. Fig. 2 is a sectional view showing the application of the trap-section that incloses the bait-section and entraps the flies collected on the latter.

Like numerals of reference indicate like parts in both figures of the drawings.

In carrying out my invention I employ a supporting-plate 5, herein termed the "ceiling-plate", which is preferably circular in shape and permanently secured to the ceiling by means of attaching screws 6. This ceiling-plate is provided at suitable intervals around its outer edge with depending spring fingers 7, each having intermediately a bead which forms a transverse groove 8 at the inner side of said finger, the lower or free end of the finger being flared outwardly, for the purpose hereinafter explained. Secured in any suitable manner to the center of the ceiling-plate, and depending therefrom, is a hollow

rod or tube 9, provided at one side with a longitudinal slit 10, and within this tube, at the upper end thereof, is a sheave or grooved pulley 11 over which passes a cord 12 having a hook 13 at one end, said cord depending through the tube beyond the lower end thereof and providing the means for raising and lowering the sections of the trap.

The bait-section comprises a cup-shaped gauze-device 14, having a stiffening-band 15 at its upper end and a sleeve 16 attached to and depending from the lower end thereof. The band 15 is of such size as to fit between and engage the spring fingers 7, and in order that the bait-section may be firmly supported said band 15 is provided with a circumferential bead 17 adapted to engage in the grooves 8 of said fingers. The sleeve 16 on the lower end of the bait-section is adapted to slide upon the rod or tube 9 and guide the bait-section so that it will properly engage the supporting-fingers. From this bait-section are suspended a number of cords 18, to provide additional roosting places for the flies, and these cords, as well as the cup-shaped gauze-device may be supplied with a suitable bait for attracting the flies.

As hereinbefore stated, the ceiling-plate and depending tube are permanently attached to the ceiling, and in applying the bait-section it is slid upon the lower end of the tube, and after engaging the hook 13 with the lower end of the tube 16 the cord is drawn upon and said bait-section slides upward upon the tube until the band 15 engages the spring-fingers, thereby supporting the bait-section in operative position. In the upward sliding movement of the bait-section the bill-end of the hook 13 travels in the slit 10 of the tube 9 so as to properly engage the sleeve.

After the flies have collected on the bait-section they are entrapped by an inclosing trap-section comprising a cup-shaped gauze-device 19 having a stiffening-band 20 at its upper end and a sleeve 21 attached to its lower end, said sleeve projecting upwardly within the trap-section and is slightly enlarged at its upper end, as at 22. The sleeve of this trap-section is adapted to slide upon the depending tube 9 so as to guide the trap-section in its upward movement, and the stiffening-band 20 is of such size as to engage the outwardly flared lower ends of the spring-fingers 7 and move said fingers outwardly to disengage or release the bait-section.

tion. This trap-section is raised by the cord 12 and hook 13 in the same manner as the bait-section, in this instance the said hook engaging the lower end of the sleeve 21 through a hole in the lateral flange at the lower end of said sleeve.

It will be seen that when the bait-section is released by the operation of the trap-section it will be supported in the upper part of the latter by means of the sleeve 16 which engages within the enlarged portion 22 of the sleeve 21 of the trap-section and rests upon the shoulder 23 at the lower end of said enlarged portion; also that when the parts or sections are detached from the rod or tube these connected sleeves will keep them in alinement, so that the device as a whole may be conveniently handled for the purpose of destroying the flies, for instance by submerging the device in a pail of water to drown the flies entrapped therein.

The stiffening-band 20 at the upper end of the trap-section is very little wider than the stiffening-band 15 and its surrounding bead 17, or not enough to permit the entrapped flies to escape from between the bait and trap sections.

As will be readily seen the particular form of supporting devices, in connection with the raising and lowering means provide for operating the entire device from the floor, as it is intended that the rod or tube shall depend so that the lower end thereof will be in easy reach of the floor to enable the operator to slide the sections thereon and engage the hook therewith.

Having thus described my invention, what I claim as new, and desire to secure by Letters-Patent, is:—

1. A fly-trap, comprising, a ceiling-plate having depending portions, a bait-section frictionally and detachably connected thereto, a trap-section adapted to inclose the bait-section and release the same from its support, and means for raising and lowering the sections, substantially as shown and described.

2. A fly-trap, comprising a ceiling-plate having depending spring fingers flared outward at their lower ends, a bait-section adapted to frictionally and detachably engage said fingers, a trap-section adapted to inclose the bait-section and engage the fingers to release said bait-section, and means for raising and lowering the sections, substantially as shown and described.

3. A fly-trap, comprising a ceiling-plate having depending portions, a bait-section frictionally and detachably connected thereto, a trap-section adapted to inclose the bait-section and release the same from its support, sleeves on the sections adapted to telescope one within the other, and means for

raising and lowering the sections, substantially as shown and described.

4. A fly-trap, comprising a ceiling-plate having depending spring fingers flared outward at their lower ends, a bait-section adapted to frictionally and detachably engage said fingers, a trap-section adapted to inclose the bait-section and engage the fingers to release said bait-section, sleeves on the sections adapted to telescope one within the other, a sheave carried by the ceiling-plate, and a cord passing over the sheave and depending through the sleeves, said cord having a hook at one end, substantially as shown and for the purpose set forth.

5. A fly-trap, comprising a ceiling-plate having a depending tube and sheave, a bait-section frictionally and detachably connected to the ceiling-plate and having a sleeve slidable on the tube, a trap-section having a sleeve slidable on the tube and adapted to inclose the bait-section and release the same from its support, and a cord passing over the sheave and having a hook at one end, substantially as shown and for the purpose set forth.

6. A fly-trap, comprising a ceiling-plate having spring fingers and a depending tube with a slit at one side, a bait section slidable upon the tube and adapted to frictionally and detachably engage the spring fingers, a trap-section slidable upon the tube and adapted to inclose the bait-section and engage the spring fingers to release said bait-section, a sheave in the upper end of the tube, and a cord passing over the sheave and depending through the tube, said cord having a hook at one end, substantially as shown and for the purpose set forth.

7. A fly-trap, comprising a ceiling-plate having spring fingers and a depending tube with a slit at one side, a bait-section slidable upon the tube and adapted to frictionally and detachably engage the spring fingers, a trap-section slidable on the tube and adapted to inclose the bait-section and engage the spring fingers to release said bait-section, sleeves on the sections slidable on the tube and adapted to telescope one within the other, a sheave in the upper end of the tube, and a cord passing over the sheave and depending through the tube, said cord having a hook at one end, substantially as shown and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM P. EVERETT.

Witnesses:

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W. A. CHISOM.