

No. 856,128.

PATENTED JUNE 4, 1907.

L. BRUGEL & O. PASSMANN.

FLY TRAP.

APPLICATION FILED JAN. 23, 1907.

Fig. 1

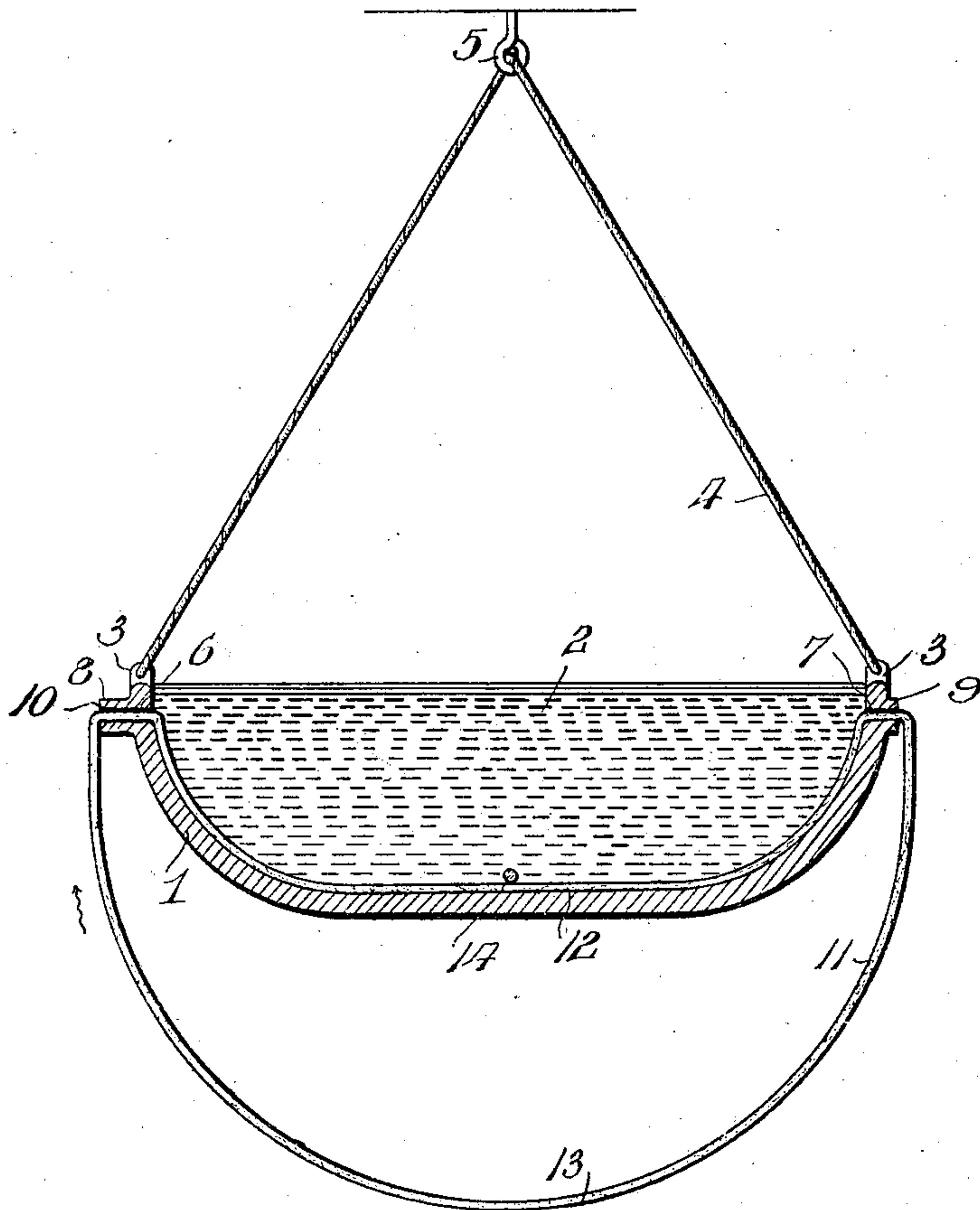
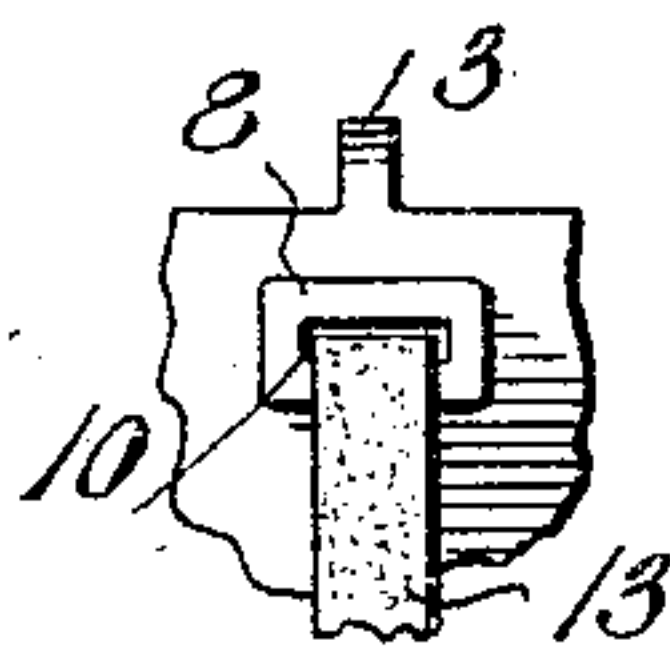


Fig. 2



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LUDWIG BRUGEL AND OTTO PASSMANN, OF BALTIMORE, MARYLAND.

FLY-TRAP.

No. 856,128.

Specification of Letters Patent.

Patented June 4, 1907.

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To all whom it may concern:

Be it known that we, LUDWIG BRUGEL and OTTO PASSMANN, subjects of the Emperor of Germany, residing at Baltimore, in the State of Maryland, have invented new and useful Improvements in Fly-Traps, of which the following is a specification.

This invention relates to improvements in fly traps or catchers, the object of the invention being to provide a simple, cheap, reliable and effective device of this character which may be suspended from a ceiling or other suitable support and embodies an endless strip adapted to be coated with an adhesive or fly catching material contained within a receptacle by which the strip is supported, the strip being arranged for movement through said receptacle to coat the same and remove the caught flies therefrom, the construction being such that the strip may be used continuously by a simple adjustment thereof to recoat and strip the caught flies from its different portions.

In the accompanying drawing,—Figure 1 is a vertical central section through a fly trap or catching device embodying my invention. Fig. 2 is a fragmentary side elevation thereof.

Referring to the drawing, 1 designates a suitable receptacle, which is preferably cup-shaped, and adapted to hold a supply 2 of a fly-catching or adhesive composition. The vessel may be open or closed at the top, as desired, and is provided at diametrically opposite sides with perforated ears 3, to which is attached a suspending device 4 preferably in the nature of a cord or wire secured at its ends to said ears and arranged to form a loop for connection with an eye or suspending device 5 secured to the ceiling or some other suitable support.

Formed in opposite sides of the vessel 1 are horizontal guide slots or passages 6 and 7, which extend through lugs or projections 8 and 9 formed upon the outer side of the vessel, the lug 8 being somewhat longer than the lug 9, so that the outer edge of the upper wall thereof will form a stripping surface 10, as hereinafter described.

In connection with the cup or vessel as thus constructed and arranged, an endless strip, tape or string 11 of fabric or any other suitable flexible material is employed. This strip or tape extends and is movable through the guide passages 6 and 7 and has a portion 12 which projects across the vessel and lies in contact with the bottom wall thereof, and a

portion 13 which hangs pendent below the vessel in position to attract and catch the flies. The portion 12 is submerged in the adhesive substance 2 and is similarly held in contact with the central portion of the bottom of the vessel by a cross rib or piece 14, which forms a guide to maintain such portion of the tape in contact with the wall of the vessel in the operation of manipulating the tape to coat the different portions thereof with the adhesive substance.

In the operation of the device, the vessel is suspended in the manner shown from the ceiling or some other support, and it will be assumed that the exposed pendent portion 14 of the tape is coated with the adhesive substance, from which it will be understood that such exposed portion will attract the flies, which will stick or become attached thereto. When such portion 13 becomes covered with flies, a part of the exposed portion may be gripped in the hand of the operator to move or propel the strip in the direction of the arrow shown in Fig. 1, so that in the movement of the strip through the guide passages 6 and 7 the used portion of the tape will be stripped of the flies by the stripping portion 10 of the lug 8, while, by the continued movement of the tape, the portion 12 will be drawn outward through the passage 7 to take the place of the portion 13, the latter being drawn into the cup for a succeeding coating of the surface thereof with the adhesive composition 2, as will be readily understood. By this construction it will be apparent that as soon as the exposed portion of the tape becomes covered with flies the tape may be drawn through the guides to expose a freshly coated portion while the collected flies will be simultaneously stripped from the used portion. Hence the device may be used continuously, it being only necessary to replenish the cup or vessel with sufficient of the sticky substance at intervals to take the place of that consumed or lost by evaporation.

Having thus described the invention, what is claimed as new, is:—

1. A device of the character described, comprising a vessel having guides at opposite sides thereof, said vessel being adapted to contain a sticky substance, one of the guides being provided with a stripper, means for supporting the vessel, and an endless tape movable through said guides and having a portion submerged in the sticky substance and extending across the interior of the ves-

sel and a portion disposed without and hanging dependent from the vessel, said tape being adapted to be propelled through the guides, whereby, in the operation of propelling the strip, the same will be coated with the adhesive substance and the caught flies stripped from the used portion thereof by the action of the stripper.

2. A device of the character described comprising a vessel having guides at opposite sides thereof, means for supporting the vessel, an endless strip movable through said guides having one portion extending within and across the vessel and another portion hanging pendent therefrom, and means for guiding the interior portion of the tape in its movement across the vessel.

3. A device of the character described,

comprising a vessel having guide slots at opposite sides thereof, a guide member centrally disposed within the vessel, means for supporting the vessel, and an endless strip or tape extending through said guide slots and having an exterior portion pendent from the vessel and an interior portion extending across the same, said interior portion being maintained in guided contact with the interior of the vessel by said guiding member.

In testimony whereof, we affix our signatures in presence of two witnesses.

LUDWIG BRUGEL.
OTTO PASSMANN.

Witnesses:

E. G. SHIPLEY,
PHILIP BISSON.