

(No Model.)

W. DEVOLLD.
INSECT DESTROYER.

No. 587,429.

Patented Aug. 3, 1897.

Fig. 1.

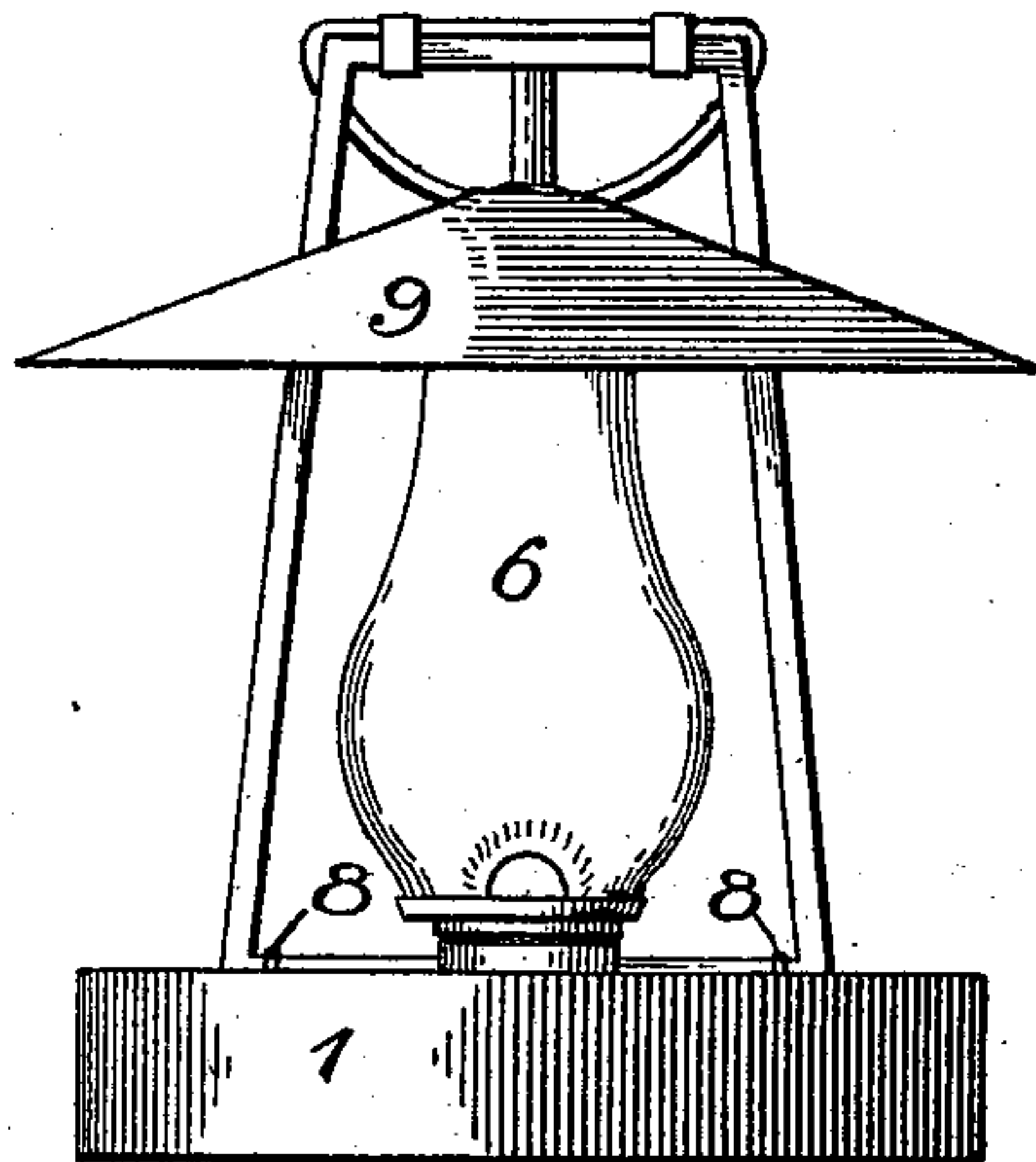


Fig. 2.

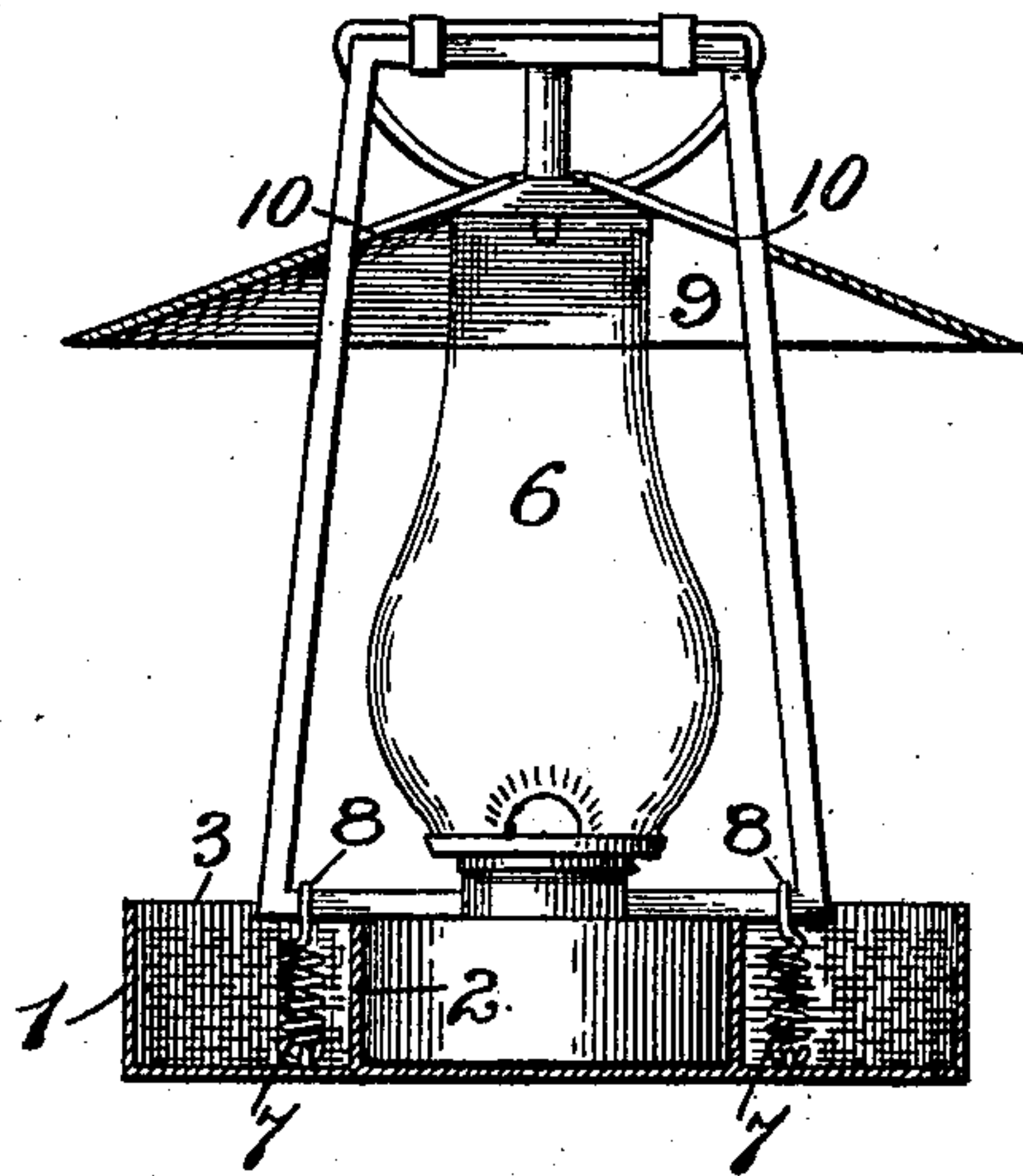


Fig. 3.

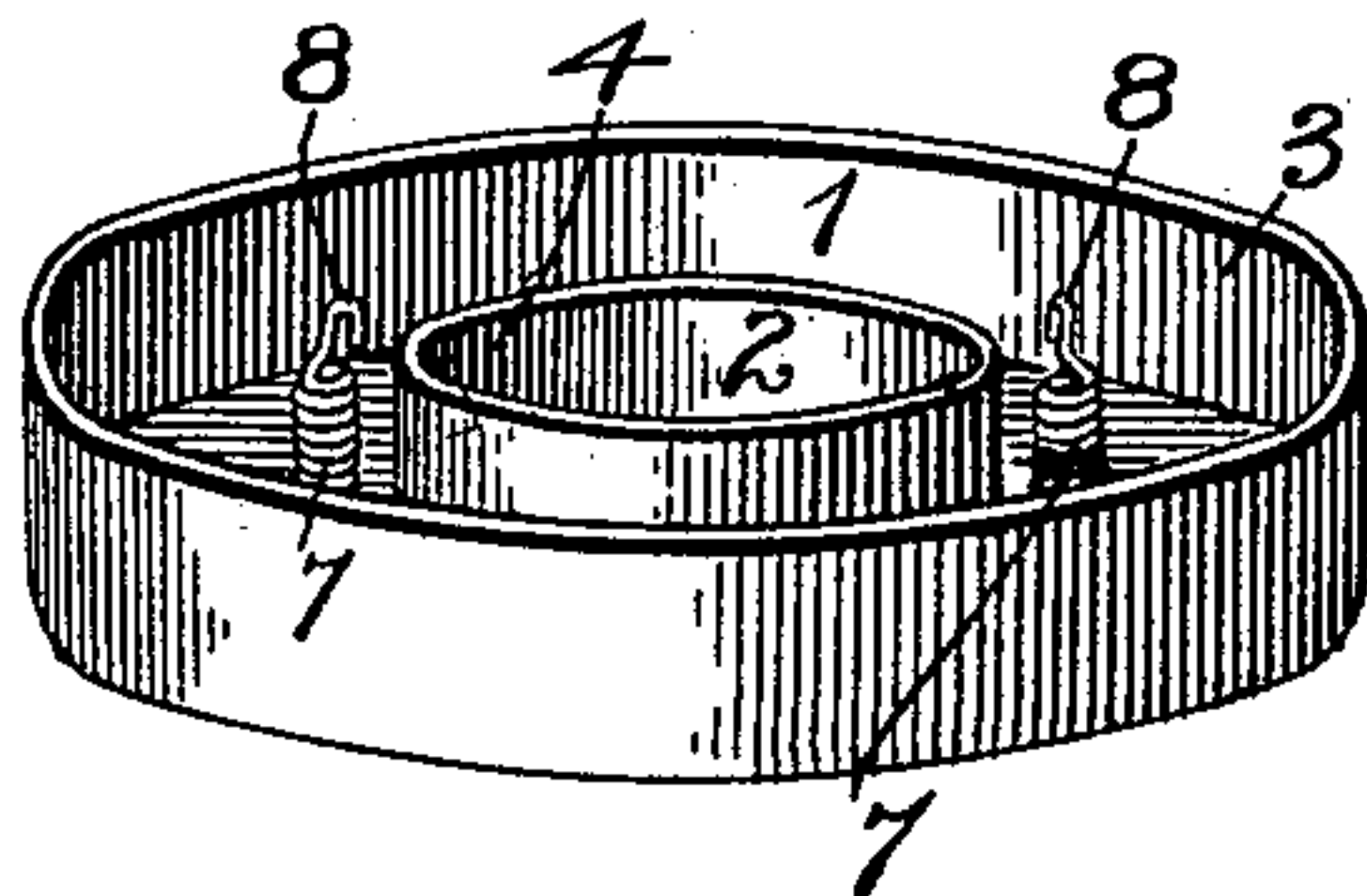
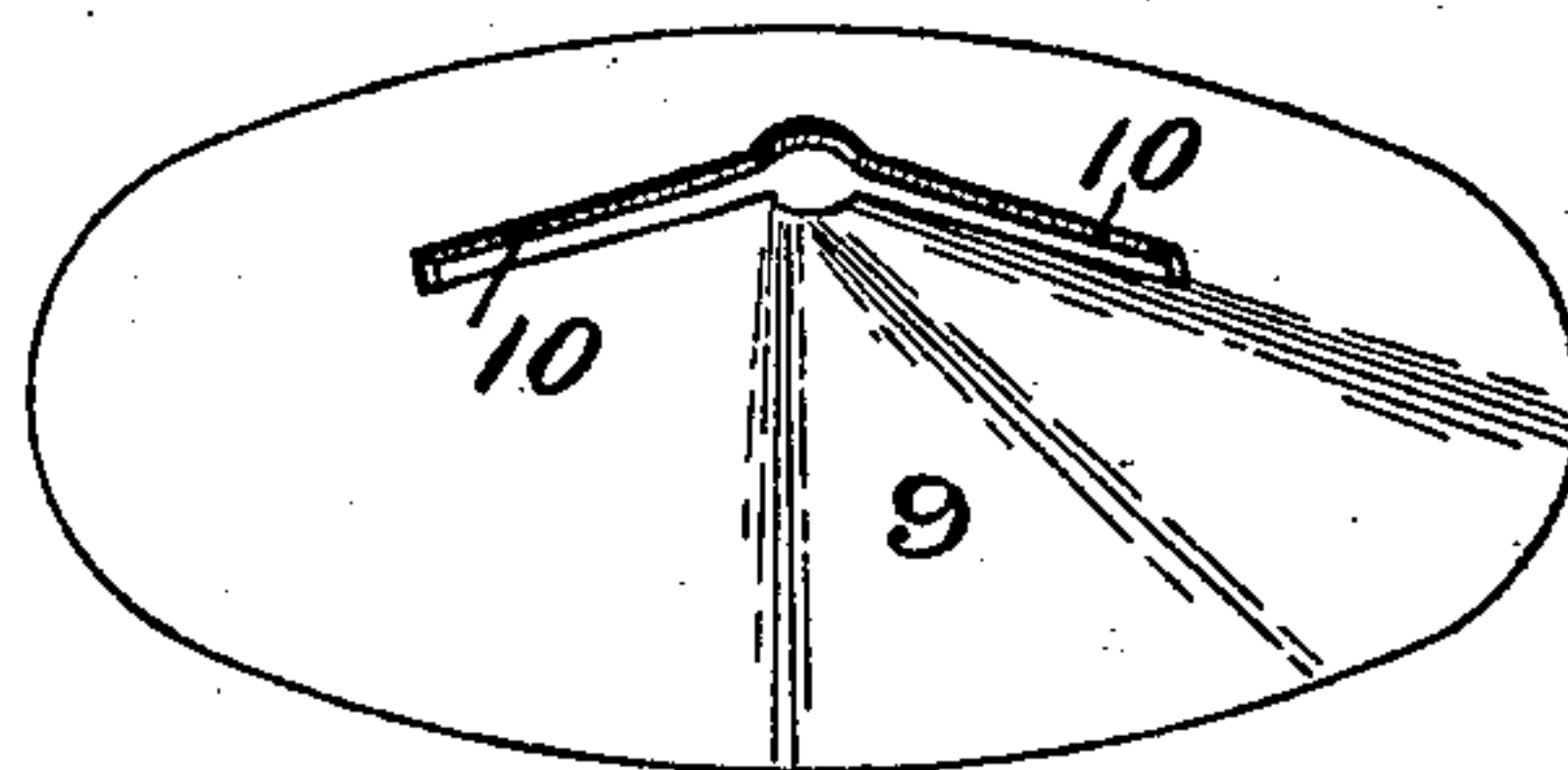


Fig. 4.



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UNITED STATES PATENT OFFICE.

WILLIAM DEVOLLD, OF ST. MARY'S, KANSAS.

INSECT-DESTROYER.

SPECIFICATION forming part of Letters Patent No. 587,429, dated August 3, 1897.

Application filed May 13, 1897. Serial No. 636,336. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM DEVOLLD, a citizen of the United States, residing at St. Mary's, in the county of Pottawatomie and State of Kansas, have invented a new and useful Insect-Destroyer, of which the following is a specification.

This invention relates to improvements in insect-destroyers.

The object of the present invention is to improve the construction of that class of insect-destroyers which are employed in connection with a light for attracting the insects to be destroyed and which contain a suitable liquid for destroying the insects.

A further object of the invention is to provide a simple and inexpensive device adapted to be readily applied to an ordinary lantern and capable of shielding the receptacle from rain to prevent it from overflowing.

The invention consists in the construction and novel combination and arrangement of parts, as hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a side elevation of an insect-destroyer constructed in accordance with this invention and shown applied to a lantern. Fig. 2 is a sectional view of the same. Fig. 3 is a detail perspective view of the receptacle. Fig. 4 is a similar view of the shield.

Like numerals of reference designate corresponding parts in the several figures of the drawings.

1 designates a circular pan or receptacle comprising a bottom and sides and provided within it with a vertical annular flange or partition 2, forming an outer annular space 3, and an inner circular compartment or space 4 to provide a socket for the bowl or reservoir of a lantern 6. The outer annular compartment or space is adapted to receive water and a small supply of oil to form a film or coating for destroying moths and other insects dropping into the pan or reservoir and attracted by the light of the lantern. The pan or receptacle is provided at opposite sides with spiral springs 7, terminating at their upper ends in hooks 8, which are adapted to engage the bottom of the frame of the lantern,

whereby the device is detachably connected to the same and is held firmly in position.

In order to shield the pan or reservoir and also the lantern, a slightly-concavo-convex disk or plate 9 is provided and is mounted on the upper portion of the lantern in order to shed water to prevent the outer annular space or compartment from overflowing. The shield or plate is provided with a central circular opening to receive the chimney or flue of the lantern, and it has slots or extensions 10, through which passes the wire or frame of the lantern.

The insect-destroyer is designed to be arranged in an orchard, garden, or field, and may be mounted on a post or suspended from a limb of a tree, and the light will attract insects and cause them to fall into the pan or receptacle.

The device is adapted for destroying various insects and may be effectively employed for exterminating moths, especially those kinds which infest beehives.

It will be seen that the device is extremely simple and inexpensive in construction, that it is positive and reliable in operation, and that it is capable of being applied to any ordinary lantern.

What I claim is—

1. In a device of the class described, the combination with a lantern, of a pan or receptacle provided with an annular flange or partition forming a central socket to receive the bowl or reservoir of the lantern and providing an outer annular liquid-receiving space, and hooks mounted in the pan or receptacle and arranged to engage the frame of the lantern, substantially as described.

2. A device of the class described comprising a pan or receptacle provided with an annular flange or partition forming a socket to receive the bowl or reservoir of a lantern and providing an outer liquid-receiving space, and spiral springs arranged at opposite sides of the receptacle and terminating in hooks adapted to engage the frame of a lantern, substantially as described.

3. A device of the class described comprising a pan or receptacle provided with a socket to receive the bowl of a lantern and having a liquid-receiving space, fastening devices for

detachably connecting a pan or receptacle to a
lantern, and a removable shield provided with
a central opening and having opposite slots
and adapted to be mounted on the upper por-
5 tion of a lantern, substantially as and for the
purpose described.

In testimony that I claim the foregoing as

my own I have hereto affixed my signature in
the presence of two witnesses.

WILLIAM DEVOLLD.

Witnesses:

JAMES CASS,

JAMES L. BYRNES.