

(No Model.)

C. C. & P. J. SCHILD.
INSECT DESTROYER.

No. 574,454.

Patented Jan. 5, 1897.

FIG. 1.

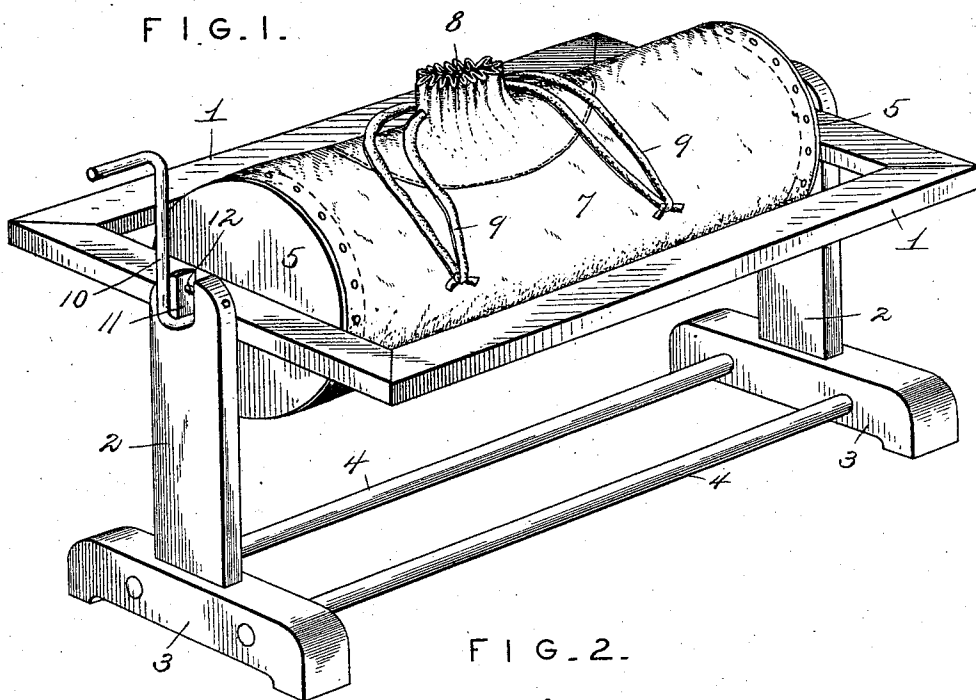
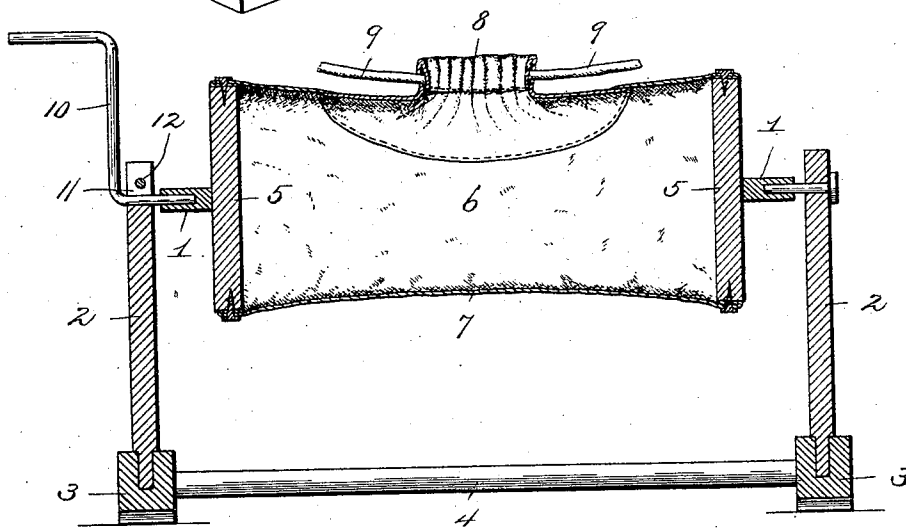


FIG. 2.



Inventors

Witnesses
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and
Peter J. Schild.
By their Attorneys,
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UNITED STATES PATENT OFFICE.

CHARLES C. SCHILD AND PETER J. SCHILD, OF IONIA, MICHIGAN.

INSECT-DESTROYER.

SPECIFICATION forming part of Letters Patent No. 574,454, dated January 5, 1897.

Application filed September 3, 1895. Renewed July 9, 1896. Serial No. 598,593. (No model.)

To all whom it may concern:

Be it known that we, CHARLES C. SCHILD and PETER J. SCHILD, citizens of the United States, residing at Ionia, in the county of Ionia and State of Michigan, have invented a new and useful Insect-Destroyer, of which the following is a specification.

This invention relates to apparatus for destroying vermin on the bodies of poultry and fowl by applying an insecticide in such a manner as to insure its permeating the body-feathers, so as to attain the desired result in a thorough and effective manner.

The invention consists of a frame journaled at its ends and having oppositely-disposed heads, and a textile fabric arranged around the said heads and secured thereto, so as to form an inclosure or compartment to receive the fowl or poultry to be treated, together with the insecticide, said fabric having a neck portion at one side to be closed in any suitable manner, preferably by means of a draw-string, so as to close the opening by means of which access is had to the interior of the compartment.

The invention also consists of the novel construction and combination of the parts which hereinafter will be more particularly set forth and claimed, and which are illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of an appliance constructed in accordance with this invention. Fig. 2 is a longitudinal section of the revolving compartment, showing the upper portion of the standards.

The frame 1 is oblong and rectangular in shape and is journaled at its ends in vertical standards 2, rising from base-blocks 3, which are connected together by longitudinal bars 4. Heads 5 are secured to the inner sides of the end frame-bars and form the end closures of the revolving compartment, and these heads may have any desired form and are preferably circular, being wooden disks. A suitable textile fabric is arranged around the said heads, so as to form an inclosure or compartment 6 for the reception of the insecticide and the stock to be treated therewith. This fabric 7 is firmly attached to the heads in any convenient manner, and, as shown, its edge portions are folded to secure reinforced edges to receive the tacks or brads, by

means of which the edge portions of the said fabric are fastened to the peripheral edges of the heads 5.

A neck portion 8, of textile fabric, is secured at its inner end to the edge portion of the fabric 7, bordering upon an opening formed in the side thereof, and access is had to the interior of the revolving compartment through this neck 8, and the latter is closed at its outer end in any convenient manner, preferably by means of the draw-string 9, which is fitted in a pocket formed at or contiguous to the outer end of the neck.

The frame 1 is rotated in any desired manner, preferably by means of a crank 10, which is provided at one end and which forms a journal to support the said frame at one end. The vertical standard adjacent to the crank 10 has a notch 11 in its upper end to receive the journal portion of the crank and make provision for the ready removal of the revolving compartment from its base or supporting structure when desired. A pin 12 extends across the open end of the notch 11 and prevents accidental displacement of the journal from the said notch when the apparatus is in operation.

When using the appliance, the neck 8 is opened and a sufficient quantity of a suitable insecticide is introduced into the compartment, and the poultry or fowl to be treated are placed within the said compartment and the neck is closed, after which the compartment is rotated upon its journals a sufficient length of time to insure the thorough distribution of the insecticide through the body-feathers of the fowl or poultry contained within the compartment. After the operation is completed the neck 8 is opened and the poultry is removed from the compartment, when the latter can be used repeatedly in the manner just described.

The apparatus herein set forth is compact and exceedingly light, and the revolving compartment is free from any internal projections which would be liable to result in injury to the poultry when treating the latter with the insecticide. The frame 1 braces the revolving compartment externally and prevents the collapsing of the fabric 7 and obviates the necessity of providing internal projections within the revolving compartment.

It will be understood that the poultry or fowl are inclosed in the compartment with the insecticide for a very short time, so as not to smother or otherwise injure the birds. By
5 completely inclosing the birds in the compartment their head-feathers will be treated and subjected to the insecticide as well as the body-feathers, thereby destroying any vermin which may be lurking therein.

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

1. An apparatus for applying an insecticide to the bodies of poultry, fowl, &c., consisting of heads, a flexible body secured at its ends to
15 the said heads and having an opening in its side closed by a collapsible neck, and a frame exterior to the said body and heads and having the latter secured thereto, and holding the said body distended, and adapted to be rotatably mounted, substantially as and for the
20 purpose set forth.

2. An apparatus for applying an insecticide to the bodies of poultry, &c., constructed substantially as herein set forth and comprising
25 a base having vertical standards, a frame journaled at its ends to the said standards, heads secured to the end bars of the frame, and a flexible or textile fabric body secured to the said heads and held extended by the
30 frame so as to form a compartment, and hav-

ing an opening in its side closed by means of a flexible neck, substantially as and for the purpose set forth.

3. An insecticide apparatus for poultry, fowl and the like comprising a receptacle consisting of heads, and a soft flexible body portion provided with an opening in its side and adapted to closely confine therein the poultry or fowl and loose insecticide, a stationary support for said receptacle, and means for agitating the receptacle on its support, substantially as set forth.

4. An insecticide apparatus for poultry, fowl and the like, comprising a receptacle consisting of heads, and a body portion made of soft textile fabric formed with an opening in its side and adapted to closely confine therein the poultry or fowl and loose insecticide, a stationary bearing-support for the receptacle, and means for positively rotating the receptacle on its support, substantially as set forth.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

CHARLES C. SCHILD.
PETER J. SCHILD.

Witnesses:

WM. HADDEN, JR.,
FRANK C. SCHMÜCKER.