

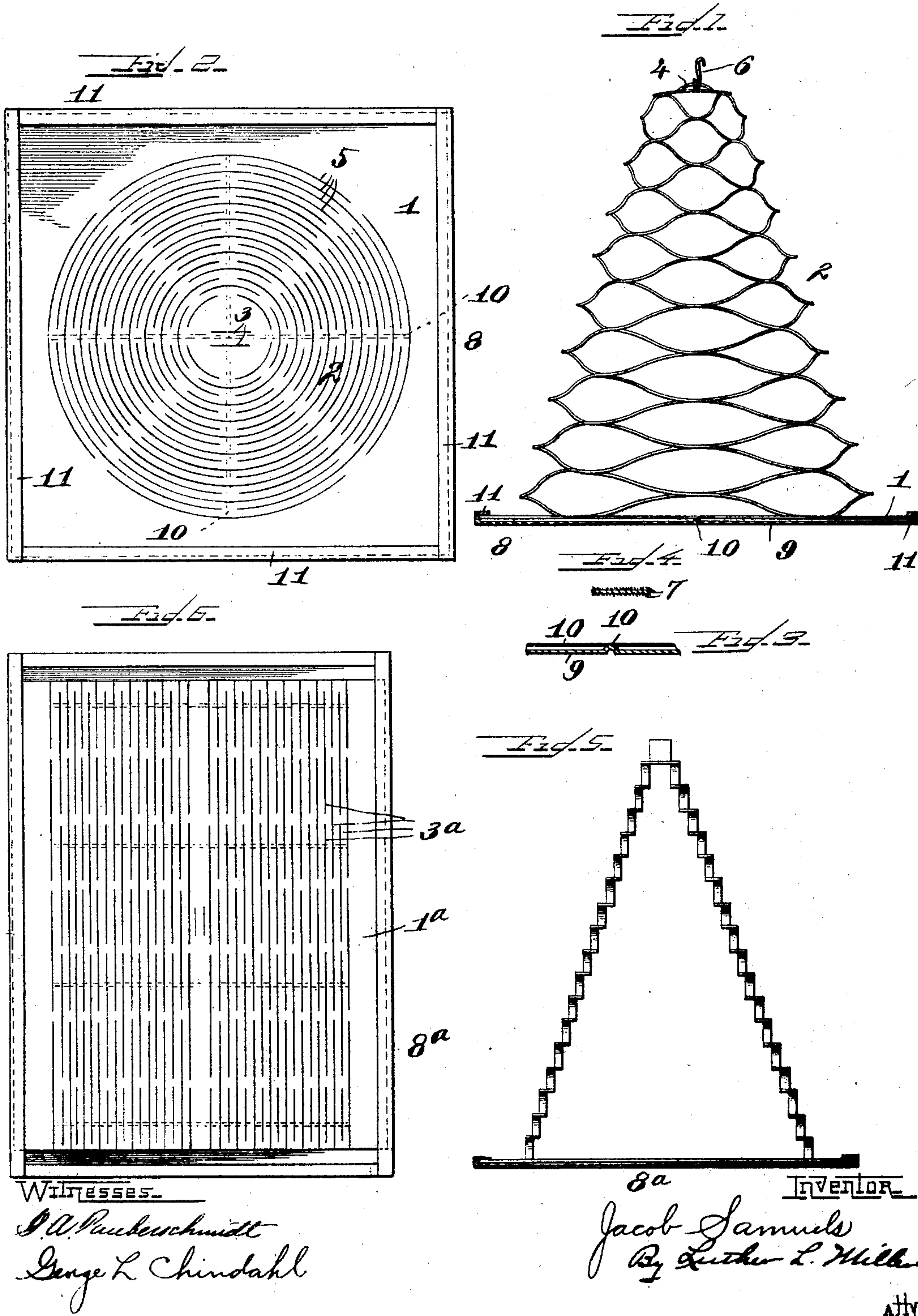
No. 756,415.

PATENTED APR. 5, 1904.

J. SAMUELS.
INSECT CATCHER.

APPLICATION FILED AUG. 19, 1903.

NO MODEL.



UNITED STATES PATENT OFFICE.

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INSECT-CATCHER.

SPECIFICATION forming part of Letters Patent No. 756,415, dated April 5, 1904.

Application filed August 19, 1903. Serial No. 170,011. (No model.)

To all whom it may concern:

Be it known that I, JACOB SAMUELS, a subject of the Queen of the Netherlands, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Insect-Catchers, of which the following is a specification.

This invention relates to devices for entrapping insects, and has for one of its objects the production of a device of this character which may be suspended from any convenient support.

A further object of the invention is to provide a device employing an adhesive substance for catching the insects which shall occupy but little space during storage or transportation and which when in use shall dispose the sticky substance over a considerable area.

The invention further refers to various improvements in insect-catchers to be more particularly pointed out hereinafter.

In the accompanying drawings, Figure 1 is a side elevation of an insect-catcher embodying the features of my invention, a portion of said device being shown in section. Fig. 2 is a top plan view of said insect-catcher. Fig. 3 is a fragmental transverse section through the holder of this insect-catcher. Fig. 4 is a detail sectional view. Fig. 5 is an end elevation of a modified form of insect-catcher. Fig. 6 is a top plan view of said modified form.

In the drawings, 1 refers to a piece of sheet metal, in this instance of rectangular shape. While metal on account of its greater strength is perhaps preferable, paper or other suitable material may be employed. The central portion 2 of the sheet 1 is provided with two straight parallel slits 3, the material between which slits may be bent upward to form a loop 4 for suspending the device. Said central portion 2 is also provided with elongated openings or slits 5, formed in any suitable manner, as by punching, which slits constitute arcs of a series of concentric circles, the arcs of one circle overlapping the arcs of the next adjacent circles, as shown in Fig. 2. It will thus be seen that the central portion 2 of the sheet 1 may be extended or drawn out in the direction of the thickness of the sheet, as illus-

trated in Fig. 1, a hook 6 being inserted into the slits 3 for extending said central portion and for suspending the device from a convenient support. The sheet 1 is coated on both sides with a suitable adhesive substance 7.

A tray or holder 8, of cardboard or other suitable material, is adapted to contain the sheet 1 and to receive any portion of the adhesive substance which may drip from the extended central portion 2 of said sheet. This holder comprises the bottom plate 9, having on its upper side two straight integral ridges 10, said ridges intersecting each other at right angles centrally of said bottom plate. Side strips 11, also of cardboard, are secured to the bottom plate 9 in any suitable manner, as with glue, to form a rim or flange for the tray 8. The side strips 11 for a portion of their width overlie the edges of the sheet 1, thus securing said sheet upon its holder 8. The portion of the upper side of the holder 8 which lies beneath the central portion 2 of the sheet 1, being exposed when said portion 2 is extended, is coated with the viscous material. The ridges 10 support the central portion 2 out of contact with the tray, so that it shall not adhere to said tray.

When this insect-catcher is to be used, the hook 6 or any suitable implement is inserted into the slits 3 and the material between said slits bent upward to form the loop 4. The central portion 2 of the sheet 1 is then drawn out or extended by means of the hook 6 and the device placed upon or suspended from any convenient support. The sticky coating upon the fixed portion of the sheet 1, the extended central portion 2, and the surface of the bottom plate 9 beneath said extended portion will catch and retain any flies or other insects that may alight upon said parts. If desirable, only the upper surface of the bottom plate 9 may be given a sticky coating, in which construction the extended central portion 2 acts as a screen or guard for said coated surface.

It is clear that the central portion of the sheet 1 may be made extensible by slitting it in various ways, and in Figs. 5 and 6 I have illustrated one modification of the construction shown in Figs. 1 and 2. In this modified

form the sheet 1^a, being provided with straight slits 3^a in staggered arrangement, assumes when extended the form of a straight-sided open-end structure, as shown in Fig. 5. The sheet 1^a in this construction is secured to its tray 8^a at two of its edges only.

Various other changes may be made in embodying the invention herein disclosed without departing from the spirit and scope thereof. Therefore I desire not to limit myself to the precise details herein shown and described.

I claim as my invention—

1. An insect-catcher comprising a piece of sheet material, a portion of which is adapted to be extended in the direction of its thickness, said sheet material being coated with an adhesive substance.

2. An insect-catcher comprising a piece of sheet metal, a portion of which is adapted to be extended in the direction of its thickness, said sheet metal being coated with an adhesive substance.

3. An insect-catcher comprising a piece of sheet material, a portion of which is cut on lines forming overlapping arcs of concentric circles, said sheet material being coated with an adhesive substance.

4. An insect-catcher comprising a piece of sheet metal, a portion of which is cut on lines forming overlapping arcs of concentric circles, said sheet metal being coated with an adhesive substance.

5. In an insect-catcher, in combination, a piece of sheet material, a portion of which is adapted to be extended in the direction of its thickness; a coating of an adhesive substance on said sheet; and a holder for said sheet.

6. In an insect-catcher, in combination, a holder; a piece of sheet material secured at its edges to said holder, a portion of which sheet is adapted to be extended in the direction of its thickness; and a coating of an adhesive substance upon said sheet.

7. In an insect-catcher, in combination, a piece of sheet material, a portion of which is adapted to be extended in the direction of its thickness; a coating of an adhesive substance on said sheet; and means for suspending said sheet.

8. In an insect-catcher, in combination, a

piece of sheet material, a portion of which is adapted to be extended in the direction of its thickness; a coating of an adhesive substance on said sheet; a holder for said sheet; and means for suspending said sheet with its holder.

9. In an insect-catcher, in combination, a piece of sheet material, a portion of which is adapted to be extended in the direction of its thickness; a tray for containing said sheet, said sheet being coated with an adhesive substance upon a portion of its surface adjacent to said tray; and means for supporting said coated surface out of contact with said tray.

10. In an insect-catcher, in combination, a piece of sheet material, a portion of which is adapted to be extended in the direction of its thickness; a tray for containing said sheet, said sheet being coated with an adhesive substance upon a portion of its surface adjacent to said tray; and means on said tray for supporting said coated surface out of contact with said tray.

11. In an insect-catcher, in combination, a piece of sheet material, a portion of which is adapted to be extended in the direction of its thickness; a tray for containing said sheet, said sheet being coated with an adhesive substance upon a portion of its surface adjacent to said tray; and projections on said tray for supporting said coated surface out of contact with said tray.

12. In an insect-catcher, in combination, a piece of sheet material, a portion of which is adapted to be extended in the direction of its thickness; a coating of an adhesive substance on said sheet; and a tray for containing said sheet, which tray comprises a bottom plate and side strips, said bottom plate being provided with a central, integral, projecting portion.

13. In an insect-catcher, in combination, a piece of sheet material, a portion of which is adapted to be extended in the direction of its thickness; a holder for said sheet; and a coating of an adhesive substance on said holder.

JACOB SAMUELS.

Witnesses:

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GEORGE L. CHINDAHL.