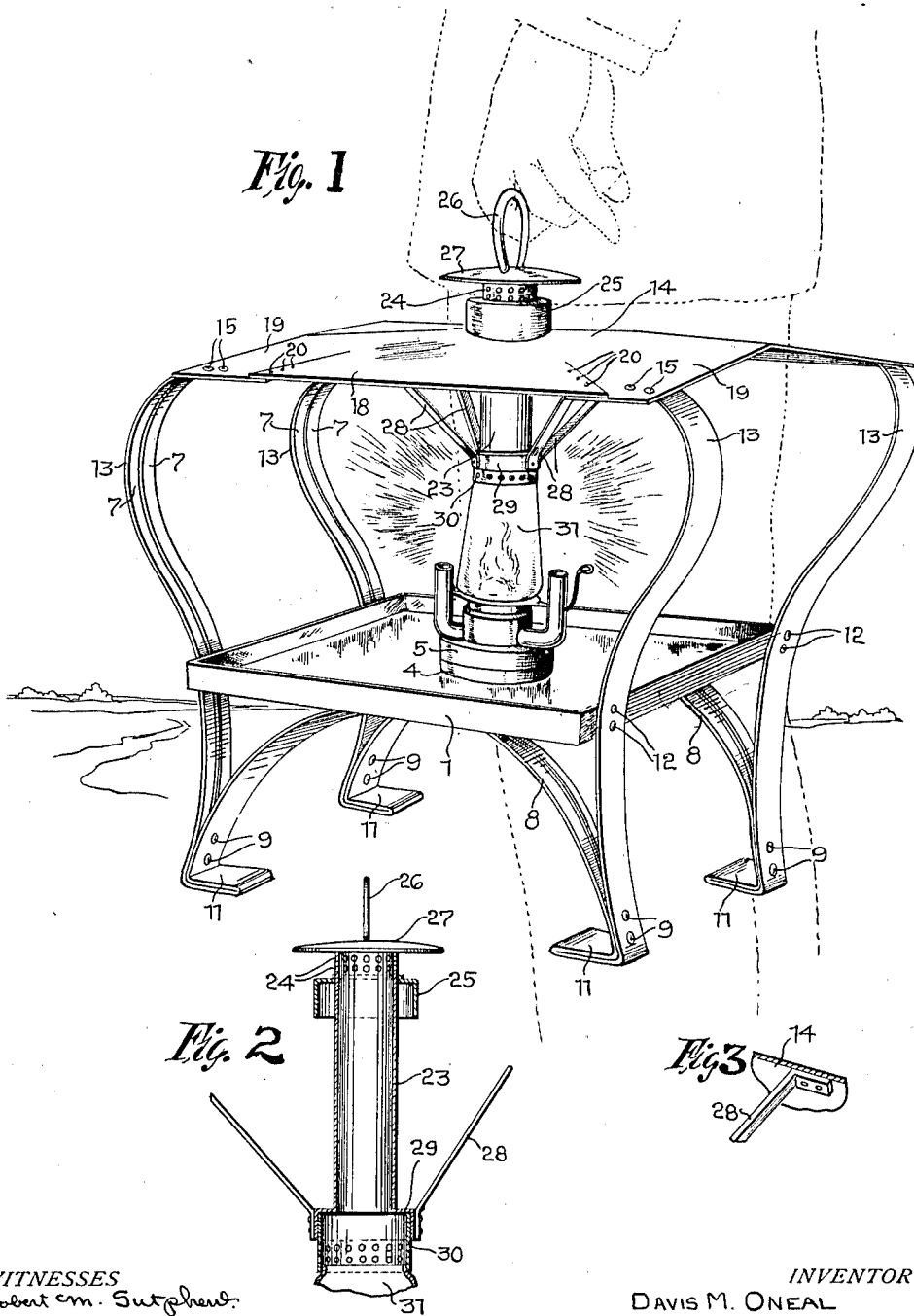


D. M. ONEAL.
INSECT DESTROYING DEVICE.
APPLICATION FILED APR. 8, 1911.

1,012,420.

Patented Dec. 19, 1911.



WITNESSES
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DAVIS M. ONEAL, OF PINE BLUFF, ARKANSAS.

INSECT-DESTROYING DEVICE.

1,012,420.

Specification of Letters Patent.

Patented Dec. 19, 1911.

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To all whom it may concern:

Be it known that I, DAVIS M. ONEAL, a citizen of the United States, residing at Pine Bluff, in the county of Jefferson and State of Arkansas, have invented certain new and useful Improvements in Insect-Destroying Devices, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to insect exterminators of the type which are used for destroying insects, which are harmful to orchards, and the like.

The principal object of the same is to provide an exterminator in which there is provided a receptacle for holding a sticky liquid, and also to provide a light for attracting the insects.

A second object of the invention is to so construct the device that the legs which support the receptacle and the standards which support the roof can be formed from a single strip of metal.

Another object of the invention is to so construct the bottom of the receptacle that the attracting lamp will be held above the level of the liquid and so that the liquid will be prevented from escaping.

This invention is illustrated in the accompanying drawings, wherein:—

Figure 1 is a perspective view of the exterminator. Fig. 2 is a section through the chimney of the exterminator. Fig. 3 is a fragmentary view showing the manner of securing the chimney braces to the roof.

Referring to the accompanying drawings by numerals it will be seen that this invention comprises a tray 1, which is preferably formed from sheet metal and which is rectangular in shape. The bottom of the tray is provided with a central opening 3, the edges of which are bent upwardly to form a flange 4, which supports the lamp 5 and also forms a flange to prevent the sticky liquid with which the tray is filled from leaking through the central opening. It should be noted that this flange 4 extends above the point to which the tray is to be filled with sticky liquid, so that the lamp will be held above the liquid. This lamp 5 may be of any type desired, such for instance as a kerosene or alcohol lamp, and is provided with the outwardly extending shoulder which rests upon the upper edge of the flange 4 and prevents the lamp from slipping through the opening 3. The legs

of this trap are formed from resilient strip metal which has its side portions 7 bent inwardly that the legs will be stronger and also that there will be no danger of cutting the hands of the person handling the exterminator. Each of these strips of metal is bowed intermediate its length to form the arch 8 which is secured to the bottom of the tray and is then doubled and secured together by means of the rivets 9 which pass through openings formed through the strip. The end portions of the double strip are bent to form the feet 11. The end portions of the strips are brought upwardly and secured to the edges of the tray by means of the rivets 12 or any other desired means and are then bowed to form the standards 13, the upper ends of which are secured to the roof 14 by means of the rivets 15. The roof is formed from a rectangular blank which is provided with the slits which extend inwardly from the sides of the blank and toward the central portion. In order to form the roof the blank is bent longitudinally and the central tongues 18 which are formed by the slits overlap the end portions 19 and are secured in place by the rivets 20.

It will be readily seen that this exterminator as far as constructed can be made with a small amount of labor and can be constructed with little or without any loss of material as the parts from which this portion of the device is made consist practically of rectangular blanks or elongated strips which are bent to form the various parts. A chimney 23 is mounted in the roof 14 at the central point and extends above the roof. The upper portion of the chimney is provided with a number of openings 24 to permit the products of combustion to escape. A collar 25 surrounds the upper portion of the chimney and is secured in place by any desired means and rests upon the roof so that the chimney is prevented from slipping through the roof. A ring 26 is secured to the cover 27 of the chimney so that the exterminator may be conveniently carried. A plurality of braces 28 are secured adjacent the lower end of the chimney and have their upper ends secured to the roof so that the chimney will be securely braced and held in the proper position. The lower end 29 of the chimney to which the braces are secured is enlarged and a perforated band 30 is secured therein. This band is perforated so that when the lamp is in

place air may enter the chimney through the openings formed in the band 30 and create the necessary draft. The lamp which is preferably used in this chimney is constructed somewhat similar to a signal lantern and has its chimney 31 fitting into the band 30. This lamp is placed in the central opening formed in the pan 1 and the roof is raised a sufficient distance to permit the chimney to fit into the band 30. When the lamp is in place the resilient supports 13 hold the chimney 23 tightly upon the lamp chimney 31 and the lamp is thus held in place.

The operation of this device is as follows:—The pan is filled with any suitable sticky liquid such for instance as creso dip or tangle foot. The lamp 5 is placed within the central opening and lighted and the exterminator is then placed out of doors adjacent the trees or plants which are being injured by insects. The insects are attracted by the light of the lamp and fly toward the exterminator where their wings are burned by the flame and they fall into the pan.

What I claim is:—

1. In a device of the character described, a pan, a lamp carried by said pan, supporting legs for said pan, a roof, resilient standards supporting said roof above said pan, a chimney mounted in said roof above said lamp, and braces secured to said chimney and to said roof.

2. In a device of the character described, a receptacle, a roof for said receptacle, a chimney passing through said roof, a collar secured to said chimney and resting upon said roof, the lower end of said chimney being enlarged, a band mounted in the enlarged end of said chimney and adapted to rest upon a lamp chimney, and braces secured to the enlarged end of said first mentioned chimney and to said roof.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

DAVIS M. ONEAL.

Witnesses:

GEO. M. WELLS,
ZACH TANKERSLEY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."