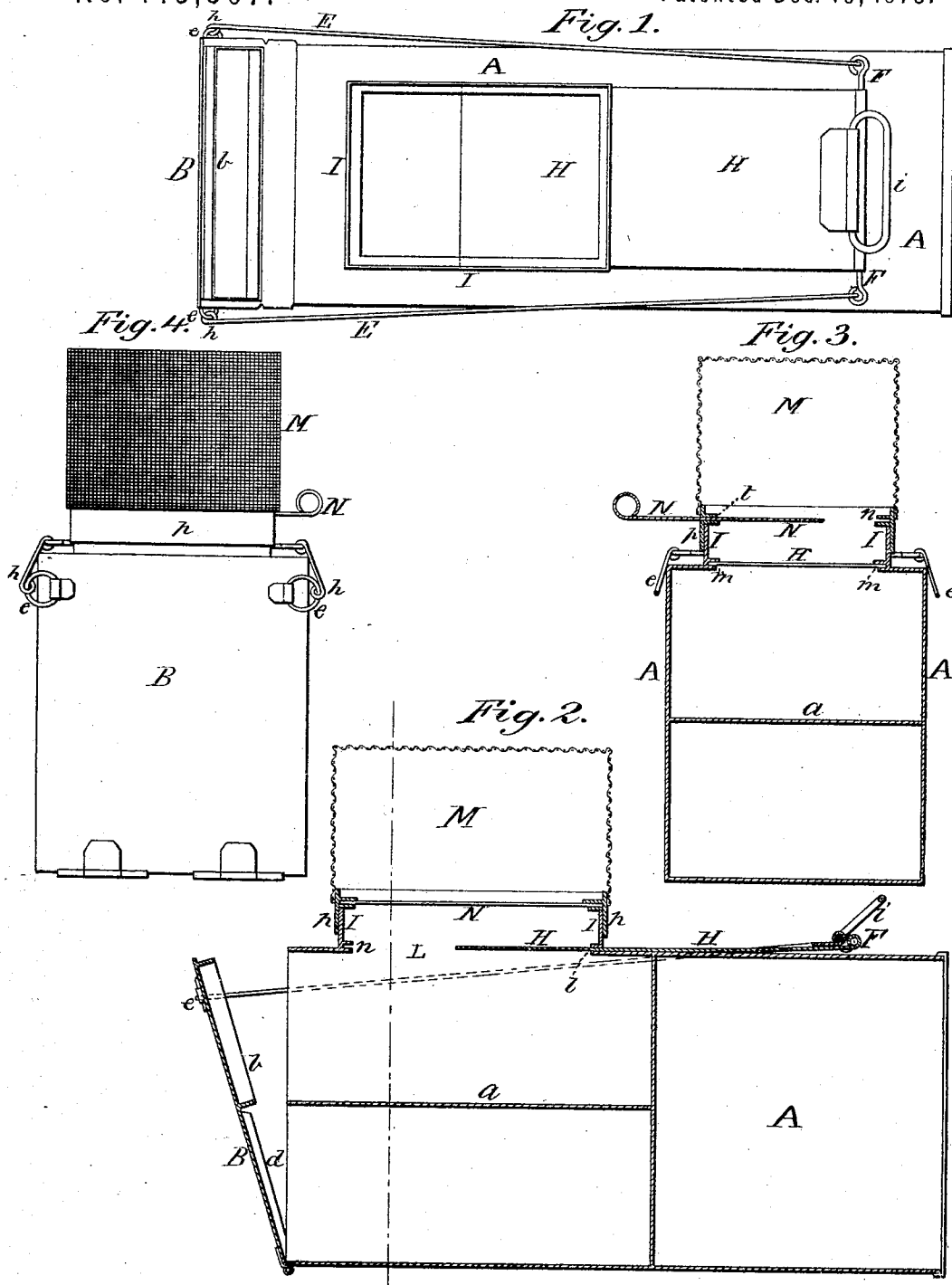


T. LANE.
Fly-Traps.

No. 145,507.

Patented Dec. 16, 1873.



Witnesses.
Wm. Howard
Chas. J. Wilson

Inventor:
T. Lane
By Cox & Cox Attys.

UNITED STATES PATENT OFFICE.

TARLTON LANE, OF WHITESBURG, TENNESSEE.

IMPROVEMENT IN FLY-TRAPS.

Specification forming part of Letters Patent No. **145,507**, dated December 16, 1873; application filed November 17, 1873.

To all whom it may concern:

Be it known that I, TARLTON LANE, of Whitesburg, Tennessee, have invented certain new and useful Improvements in Fly-Traps, of which the following is a specification, reference being had to the accompanying drawings.

The invention relates to a fly-trap, and consists in a box open at one end, and having hinged to its lower edge a door, to the upper corners of which are secured the ends of rods, by means of which the door is operated. The rear ends of the rods are connected with the rear corners of a slide which passes through a slot in the rear side, and fits into guides at the base of the other sides of a raised rim placed about an aperture in the top of the box, over which rim fits the base of a perforated cage, which is provided with a slide passing through one side of and sustained in guides upon the other sides of the base of the cage, thus permitting the opening or closing of its under portion. The object of the invention is to provide a convenient and effective means of catching flies and similar insects.

Figure 1 is a plan view of the top of a device embodying the elements of the invention, with the cage M removed. Fig. 2 is a longitudinal vertical central section of same. Fig. 3 is a vertical transverse section of same through the center of the cage. Fig. 4 is an end view of same.

A in the accompanying drawings is a box, having, in the present instance, the lateral partition *a*, upon which the bait is placed. To the front edge of the end of the box, on its under side, is hinged the door B, provided with the flanges *d*, which fit upon the outer side of the lower part of the box A, and the flanges *b*, which fit inside the box above the partition *a*, though these features (the flanges) may be dispensed with, it being only necessary that the door B can be brought closely against the end of the box. The upper corners of the door B are provided with the rings *e*, in which are secured the eyes *h* on the ends of the rods E, which extend backward and are secured to eyes at the ends of the bar F, which forms the rear of the slide H, provided with the handle *i*, by means of which it is operated. The slide H extends forward, passing through the slot *b* at the base of the rear side of the raised rim I, its sides entering the guides *m*, and its front edge the guide *n*, respectively, at base of the

lateral and front sides of the rim I, which projects above the upper surface of the box A adjacent the aperture L, to receive the base *p* of the cage M, which is composed of wire-netting or other suitable material, and provided, near its base *p*, which is made of tin or other thin sheet metal, with a slot, *t*, through which passes the slide N, working in guides in the sides and end of the base *p*, which fits snugly about the raised rim I.

The slide H is thrown forward, which opens the door B, when the bait is placed upon the partition *a*. When a sufficient number of flies have settled upon the partition, the slide H is drawn back, closing the door B. The slide N is then retracted. The flies, now attracted to the light, will rise through the aperture L into the cage, when the slide N may be closed, thereby confining them in the cage. They may now be destroyed by heat or immersing the cage in water. The cage may then be emptied and replaced, and the operation repeated, without removing the bait.

It is obvious in this operation that, as it is only necessary to close the door B, the slide H may be dispensed with, as the rods E can be operated by moving the bar F.

The operation may be varied by the following: Remove the cage M from the rim I and replace it when the flies have collected about the bait. By retracting the slide H, the door B is closed and the aperture L opened, whereupon, by operating the slide N, as aforesaid, the flies may be similarly taken.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The box A, provided with the aperture L, door B, and rods E, in combination with the slide H and cage M, substantially as shown and described.

2. The box A, provided with the aperture L, door B, and rods E, operated by the bar F, in combination with the cage M, provided with the slide N, substantially as shown and described.

In testimony that I claim the foregoing improvements in fly-traps, as above described, I have hereunto set my hand and seal.

TARLTON LANE. [L. s.]

Witnesses:

M. CARRIGER,
R. S. LANE.