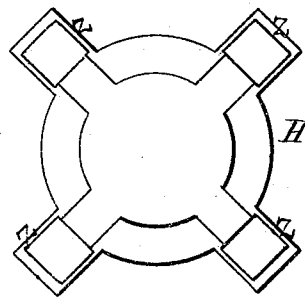
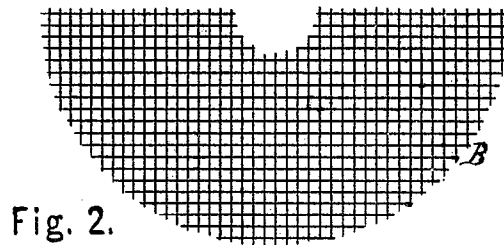
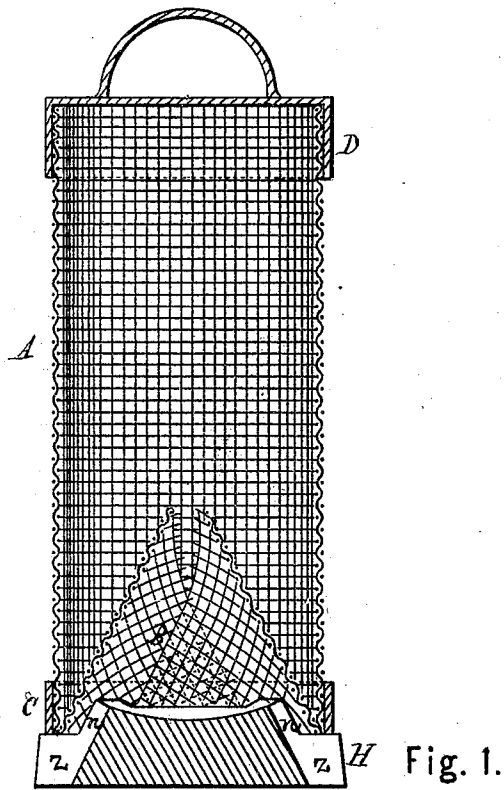


J. M. HARPER.
Improvement in Fly-Traps.

No. 131,098.

Patented Sep. 3, 1872.



WITNESSES.

Villette Anderson.
Phil. C. Mason.

INVENTOR.

James M. Harper
Chapman & Co.
Attys

UNITED STATES PATENT OFFICE.

JAMES M. HARPER, OF EL PASO, ILLINOIS.

IMPROVEMENT IN FLY-TRAPS.

Specification forming part of Letters Patent No. **131,098**, dated September 3, 1872.

To all whom it may concern:

Be it known that I, JAMES M. HARPER, of El Paso, in the county of Woodford and State of Illinois, have invented a new and valuable Improvement in Fly-Traps; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a sectional view of my invention. Fig. 2 is a detail view of my invention. Fig. 3 is a detail view of my invention, showing bottom of trap.

This invention has relation to the manufacture of fly-traps; and consists of the novel construction of the concave base-block with its conical shoulders, and the wire cylinder and base-cone adapted to fit said block, as hereinafter described, whereby such traps may be made with great rapidity and at comparatively small prices.

The letter A of the drawing represents a cylinder formed of ordinary wire cloth, and is constructed by taking a piece of such cloth of the proper length and of rectangular form and placing the two sides together so that they shall be slightly overlapped. B represents a hollow cone formed by cutting a piece of wire-cloth in the shape of a half circle, as shown by Fig. 2, and, after lapping the sides slightly, so as to leave an opening in the top, unite the bottom with the bottom of the cylinder A by

sewing them together with a wire or thread. C represents a ring encircling the bottom of cylinder A, and D is a ring and removable cap united, to serve both as a cover and support for the cylinder. The letter H represents the bottom of the trap, formed of a single piece, the bottom of which is flat and the top hollowed out to form a receptacle for the bait. It is also provided with shoulders *n* and arms *z*, as shown, to hold the bottom of the cylinder, leaving room for the passage of flies upward, as represented. The base of the wire cone is adapted to fit closely the conical shoulders *n* of the block, thereby serving to support the cylinder in place and prevent displacement or accidental overturning.

I am aware that traps having a cylindrical body and interior cone of wire cloth are not new, and hence I do not lay claim to the invention thereof; but

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

The fly-trap herein described, having cylinder A, cone B, ring C, cap D, and concave base-block H having conical shoulders *n* and horizontal arms *z*, constructed and arranged as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JAMES M. HARPER.

Witnesses:

C. E. BARNEY,
J. J. CASSELL.

J. M. HARPER.

Fly-Trap.

No. 6,493.

Reissued June 22, 1875.

Fig. 1

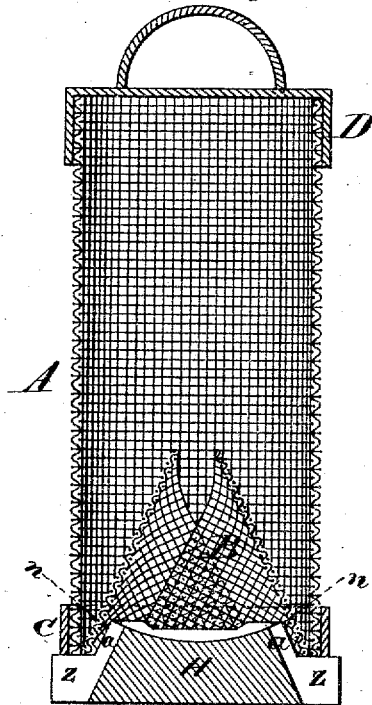


Fig. 2

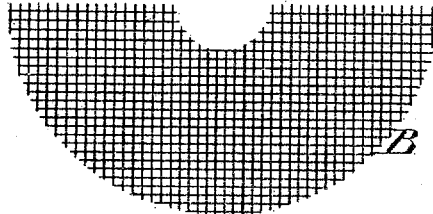
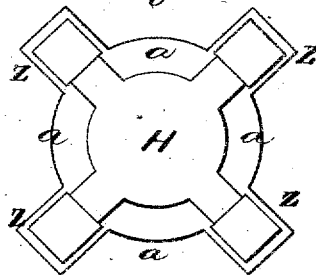


Fig. 3



WITNESSES

Villette Anderson.
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INVENTOR

James M. Harper,
Chipman & [unclear] & Co.,
ATTORNEYS

UNITED STATES PATENT OFFICE.

JAMES M. HARPER, OF EL PASO, ILLINOIS.

IMPROVEMENT IN FLY-TRAPS.

Specification forming part of Letters Patent No. 131,093, dated September 3, 1872; reissue No. **6,493**, dated June 22, 1875; application filed May 15, 1875.

To all whom it may concern:

Be it known that I, JAMES M. HARPER, of El Paso, in the county of Woodford and State of Illinois, have invented a new and Improved Fly-Trap; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a section taken diametrically through the trap. Figs. 2 and 3 are detail views of the trap.

Similar letters of reference indicate corresponding parts in the several figures.

This invention has relation to the manufacture of fly-traps; and it consists in a novel construction of the base of the trap, whereby the lower end of the wire-cloth cylinder and peripheral notches in the base-block constitute passages for the flies into the trap. It also consists in a peripherally-notched base having a bait-cavity in its top, in combination with a surrounding wire-cloth cylinder and an internal trapping-cone, as will be hereinafter explained.

In the annexed drawings, A designates a cylinder, which is formed of wire-cloth. B designates a hollow cone, which is made of wire-cloth, with an opening at its apex, and which is secured at its base to the lower edge of the cylinder A. C designates a base-ring encircling the lower end of the cylinder A, and affording support to it; and D is a ring and removable cap, united to serve both as a cover for the top of the cylinder A and a support for the same. H designates the bottom of the trap, formed of a single piece, the bottom of which is flat, and the top recessed to

form a receptacle for bait. This base-piece is provided with shoulders *n* and extensions *z*, as shown, to hold the bottom of the cylinder A, leaving spaces between the extensions *z* for the passage of flies upward into the cone B. The base of the cone B is adapted to fit closely the conical shoulders *n* of the bottom piece H, thereby serving to sustain the cylinder in its place, and preventing displacement or accidental overturning.

It will be observed that the passages *a*, through which the flies enter the cone B, are formed by cutting away portions of the periphery of the block H.

I am aware that the base-block of a fly-trap has heretofore been constructed with passages in its periphery and a convex surface inside thereof; and I, therefore, lay no claim to such construction, which affords no receptacle for bait.

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

1. The concave base-block H, having extensions *z* and shoulders *n*, in combination with the cylinder A and its cone B, substantially as described.

2. The base H, having passages *a* in its periphery and a concavity inside thereof, in combination with cylinder A, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JAMES M. HARPER.

Witnesses:

GEO. L. GIBSON,
JOHN T. HARPER.