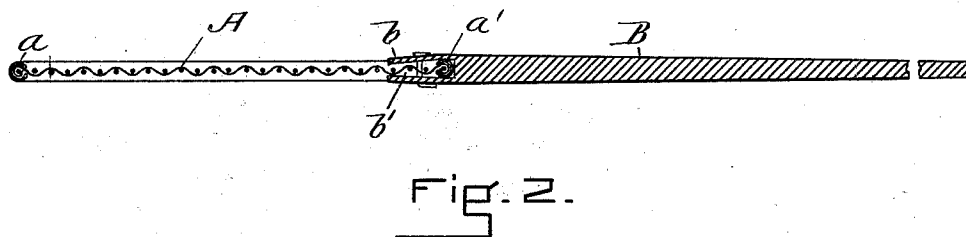
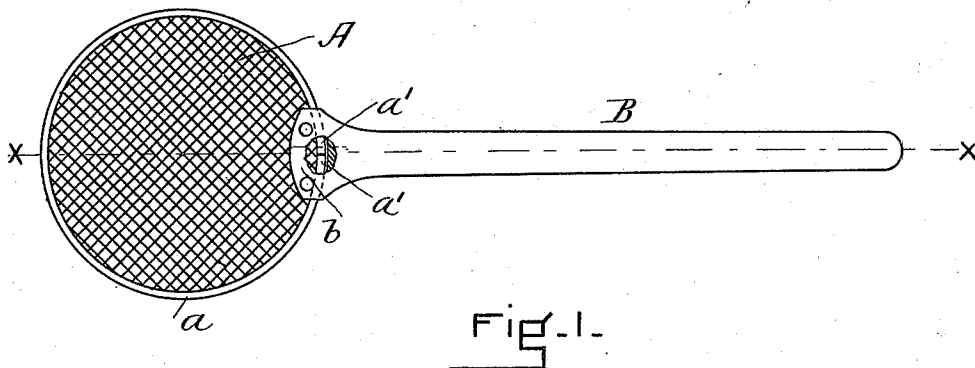


(No Model.)

G. S. CHASE.
INSECT DESTROYER.

No. 542,464.

Patented July 9, 1895.



WITNESSES

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UNITED STATES PATENT OFFICE.

GEORGE S. CHASE, OF CAMBRIDGE, MASSACHUSETTS.

INSECT-DESTROYER.

SPECIFICATION forming part of Letters Patent No. 542,464, dated July 9, 1895.

Application filed September 19, 1894. Serial No. 523,433. (No model.)

To all whom it may concern:

Be it known that I, GEORGE S. CHASE, a citizen of the United States, residing at Cambridge, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Insect-Destroyers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part of this specification, in explaining its nature.

The invention is an improvement upon that described in my Patent No. 407,574, dated July 23, 1889; and it relates especially to the means of joining the metal binding-strip where its ends abut to a handle of peculiar shape or construction which serves not only to hold the gauze of which the killer is composed and the binding-strip, but also to unite the ends of the binding-strip and strengthen the construction.

In the drawings, Figure 1 is a view in plan of my invention, and Fig. 2 is a view, enlarged, in section upon the dotted line of Fig. 1.

A represents the wire-gauze, which, preferably, is cut to a circular shape and is very fine and light.

a is the binding-strip, which is bent about the outer edge of the gauze upon each side thereof and whose ends a' abut or lap each other, as the case may be.

B is the handle, made of any suitable material and in one or more pieces. Its end b is widened and it has in said end a deep recess b', into which the abutting ends of the binding-strip are inserted, as well as a portion of the gauze. This recess b' may be made by sawing a deep groove across the end b, or by making the handle of two thin parts, one section of which laps upon one side and the other upon the other side of the binding-strip and gauze, the two parts being fastened together.

I prefer that the handle be made of wood and that it be made thin and flat, although this is not necessary. The handle is united to the rim or binding-strip and gauze by means of fastenings which extend through the end of the handle within the rim or binding-strip and through the meshes of the gauze.

It will be seen that the widened section of the handle not only acts to hold the gauze and its binding-strip firmly, but it also serves to tie the abutting ends of the binding-strip or rim together, thereby securing them so that they cannot escape from the wire and making a strong construction.

My invention I consider would be followed if instead of the recess the gauze and abutting ends of the rim were fastened to one side of the enlarged end or into a rabbet formed therein, or if the enlarged end of the handle were formed of a flexible material, like leather, united to the wooden or flat portion of the handle by fastenings, or in any other desired way, and to the gauze and rim above specified. This construction provides a stronger and a little more flexible connection between the gauze and the handle than where the connection is of wood integral with the handle.

Having thus fully described my invention, I claim and desire to secure by Letters Patent of the United States—

As an improved article of manufacture an insect killer having a handle B with an enlarged end b in which a recess b' is formed, a net of wire gauze A with a metal binding strip a, the ends a' of which meet within the recess b' and are there fastened to the handle B.

GEO. S. CHASE.

In presence of—

J. M. DOLAN,
JOHN MCGRATH.