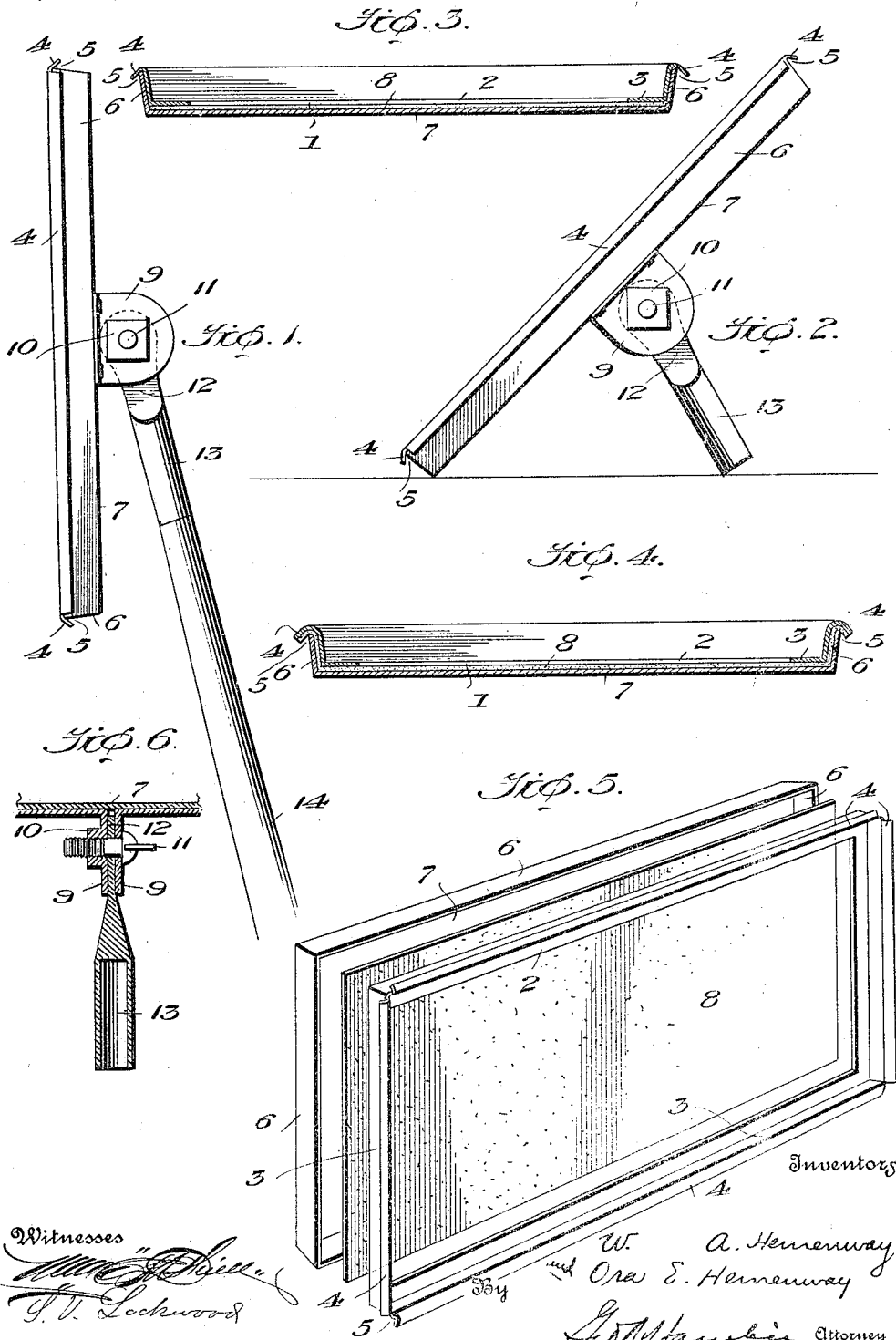


W. A. & O. E. HEMENWAY.
 FLY CATCHER.
 APPLICATION FILED NOV. 20, 1914.

1,154,310.

Patented Sept. 21, 1915.



Witnesses
[Signature]
 J. V. Lockwood

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UNITED STATES PATENT OFFICE.

WILLIAM A. HEMENWAY AND ORA E. HEMENWAY, OF COTTAGE GROVE, OREGON.

FLY-CATCHER.

1,154,310.

Specification of Letters Patent.

Patented Sept. 21, 1915.

Application filed November 20, 1914. Serial No. 873,235.

To all whom it may concern:

Be it known that we, WILLIAM A. HEMENWAY and ORA E. HEMENWAY, citizens of the United States, residing at Cottage Grove, county of Lane, and State of Oregon, have invented certain new and useful Improvements in Fly-Catchers, of which the following is a specification.

Our invention relates to fly catchers.

Difficulty has heretofore been experienced in catching with sticky fly paper flies which are on the ceiling or wall. It has heretofore been proposed to hold a sheet of sticky fly paper in a frame for service as a fly catcher or trap, but so far as we are aware, we are the first to provide a holder for sticky fly paper combined with a handle having a rockable or adjustable connection therewith, permitting the holder to be arranged at any desired angle in relation to the handle, to thereby adapt the device to be raised and lowered and otherwise manipulated for catching flies on walls and ceilings and other more or less inaccessible places. To this end we provide a holder composed of parts adapted to secure the sticky fly paper, and a socket or ferrule having a clamping connection to the holder and adapted to receive a detachable or permanent handle. Preferably, the handle is detachable so that the socket or ferrule may be folded when the holder is to be laid on a table, shelf or other object for use in catching flies and so that the handle may be applied to the socket or ferrule and the handle adjusted when it is necessary to catch flies from walls and ceilings.

It has heretofore been proposed to secure sticky fly paper in a holder composed of separable parts having clamping means for securing them together with the sticky fly paper therebetween. Our invention contemplates a further improvement in the construction of the holder, whereby we do away with clamping devices and provide means for quickly and easily securing a piece of sticky fly paper or for its removal. To that end, we provide an open frame having inclined or beveled walls and a channel, in connection with a flanged back or clamp plate whose edges or flanges are adapted to frictionally press and hold the edges of the sticky fly paper in the channels, or, if the sticky fly paper is not of sufficient size to extend into the channels, then to clamp such piece of sticky fly paper against the open

frame and to hold it by reason of the frictional wedging action of the flanges of the back on the walls of the open frame, as more fully set forth hereinafter.

In the accompanying drawings: Figure 1 is a side view showing how the catcher may be applied to a wall; Fig. 2, an end view of the holder when raised upon a support, the handle having been removed; Fig. 3, a cross section through the holder; Fig. 4, a similar view showing the sticky fly paper held in the channel; Fig. 5, a detail perspective of the members of the frame and piece of sticky fly paper in relative position for assembly; and Fig. 6, a detail of the joint between the socket and the holder.

The holder consists of an open frame 1, preferably of rectangular form which has flat portions 2 and side walls 3 provided with re-bent lips 4, thereby defining channels 5 along the four sides of the frame. The sides 3 are beveled or inclined to afford a wedging frictional fit with the flange 6 of the back 7. Preferably, the frame and the back are composed of sheet metal for the sake of lightness, cheapness and strength, but we do not limit ourselves to this material. While the frame and the back are preferably rectangular, we do not limit ourselves to that shape, as a circular form or any other shape, polygonal, oval or otherwise may be employed.

The piece of sticky fly paper 8 should be of sufficient size to rest on the face 2 of the frame, and it may extend farther and down into the channel 5 or against the walls 3, if desired, as shown in Fig. 4. The flange 6 on back 7 fits snugly, yet frictionally, against the inclined or beveled walls 3 and by this wedging and frictional engagement, firmly holds the piece of sticky fly paper in position, the sticky face 8 of the sticky fly paper being exposed, but lying in a plane above the lower edge of the frame so that even if the frame comes in contact with an object, such as the wall, ceiling or furniture, the fly paper does not adhere thereto. Furthermore, when the holder is to be used on a table, shelf, radiator, or other object, without employing the handle, the back will then be lowermost, as shown in Fig. 3, and, if preferred, may be arranged in a standing position, as shown in Fig. 2.

Secured to or provided on the back are ears 9, one of which has an internally screw-threaded portion 10 which may be a nut se-

cured to one of said ears. A thumb-screw 11 is engaged with said threaded portion. Pivoted on the thumb-screw and arranged between the ears is the flattened part 12 of a ferrule or socket 13 which can be secured at
5 any angle in relation to the back by tightening the thumb-screw, thus clamping the ears against the flattened portion 12. A handle 14 of any desired length is adapted to fit
10 into the socket or ferrule. Preferably, this handle is detachably connected to the socket so that the holder may be rested upon any object, as shown in Fig. 2, when the handle is detached. By arranging the handle and
15 socket at any desired angle to the holder, the device may be manipulated to any desired height alongside of a wall and across a ceiling to disturb flies thereon which will there-
upon alight on the sticky face of the fly
20 paper and be caught.

Having thus described our invention,

what we claim as new and desire to secure by Letters Patent, is:

In a fly catcher, a holder for sticky fly paper comprising an open frame having in- 25 clined walls, re-bent lips, and a channel between the walls and lips, and a back having an inclined flange adapted to frictionally engage the inclined walls and to have its edge received in the channels aforesaid, said back 30 and frame being adapted to hold a piece of sticky fly paper therebetween and the edges of the inclined walls to press the paper into the channel and against the rebent lip.

In testimony whereof, we hereunto affix 31 our signatures in presence of two witnesses.

W. A. HEMENWAY.
ORA E. HEMENWAY.

Witnesses:

E. C. LOCKWOOD,
NANNIE A. CONNER.