

Jan. 2, 1923.

1,441,104

J. MARSDEN.
FLY EXIT SCREEN.
FILED SEPT. 13, 1921.

Fig. 1.

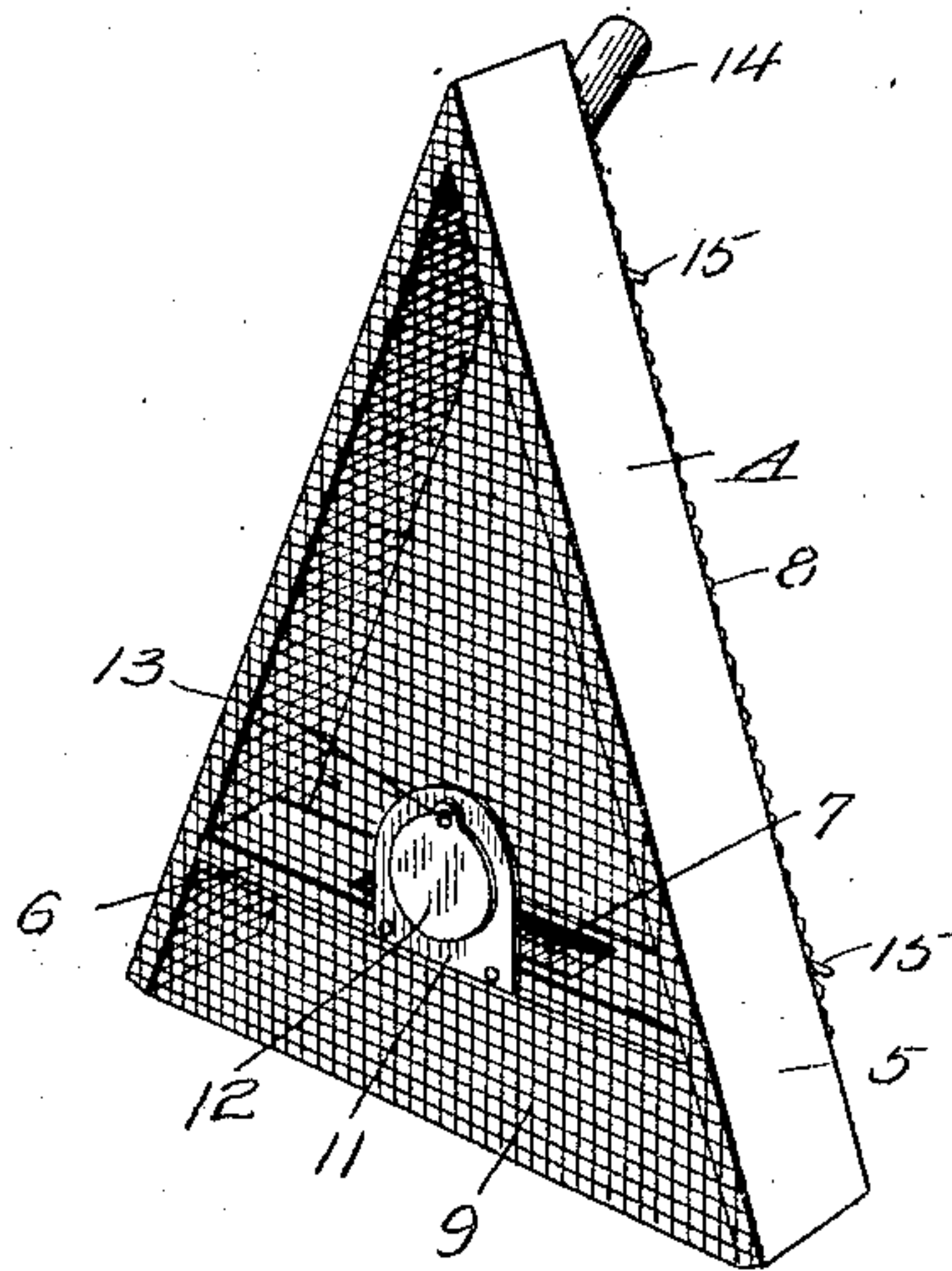
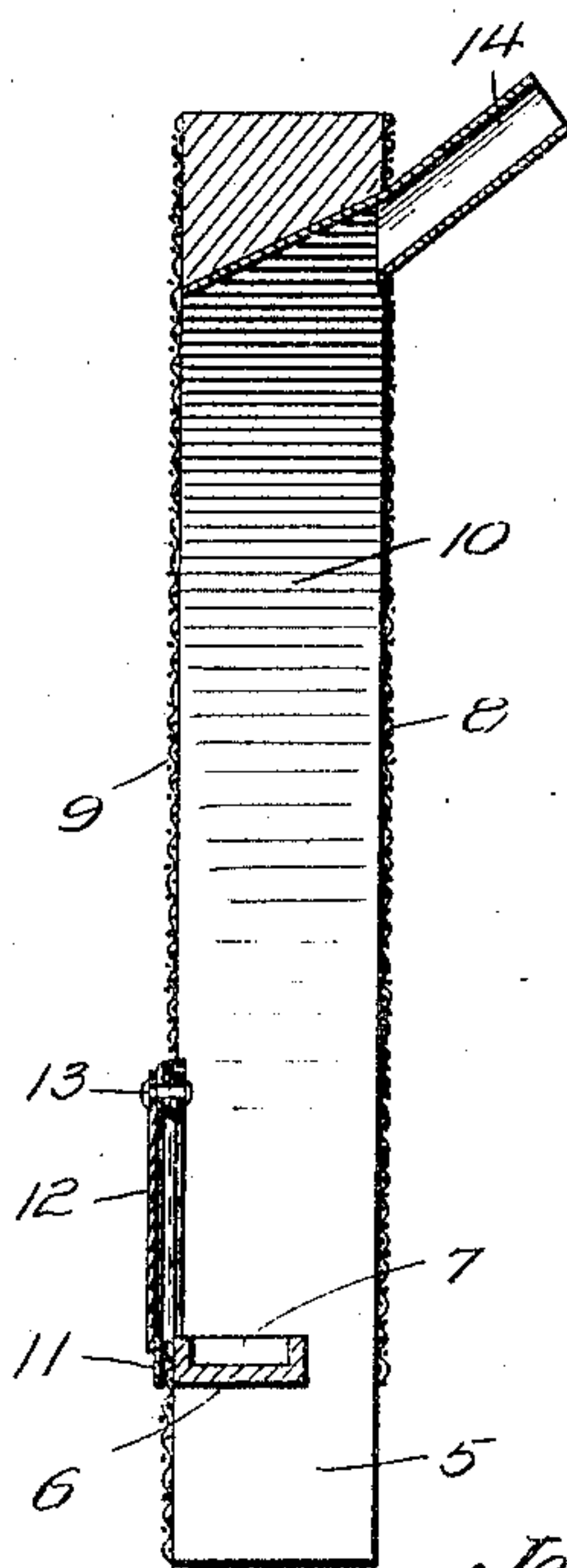


Fig. 2.



Jeremiah Marsden,
INVENTOR.

BY
Geot. Kimmel,
ATTORNEY.

UNITED STATES PATENT OFFICE.

JEREMIAH MARSDEN, OF WHITE SALMON, WASHINGTON.

FLY-EXIT SCREEN.

Application filed September 13, 1921. Serial No. 500,329.

To all whom it may concern:

Be it known that I, JEREMIAH MARSDEN, a citizen of the United States, residing at White Salmon, in the county of Klickitat and State of Washington, have invented certain new and useful Improvements in a Fly-Exit Screen, of which the following is a specification.

The invention relates to a window or door screen attachment, and more particularly to the class of fly exit devices for window or door screens.

The primary object of the invention is the provision of an attachment or device of this character, wherein the same when applied to a door or window screen will permit flies which alight on the inside thereof to escape to the outside and to prevent any possibility of their returning by the same way.

Another object of the invention is the provision of an attachment or device of this character, wherein the construction thereof is novel in form so that it is readily portable and capable of being detachably mounted upon a window or door screen at any desired position thereon so that flies within an inclosure can have an exit without the same, the attachment or device being equipped with means for encouraging egress of flies that alight on the inner surfaces of the door or window screen.

A further object of the invention is the provision of an attachment or device of this character, which by reason of its construction is a unit capable of being detachably engaged upon the wire mesh fabric of a window or door screen to accomplish the purposes intended thereof, the said attachment or device being simple in construction, thoroughly reliable and efficient in its purpose, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts, as will be hereinafter fully described, illustrated in the accompanying drawing and pointed out in the claims hereunto appended.

In the accompanying drawing:

Figure 1 is a perspective view of the fly exit attachment or device constructed in accordance with the invention.

Fig. 2 is a vertical longitudinal sectional view taken centrally through the attachment or device.

Similar reference characters indicate corresponding parts throughout the several views in the drawing.

Referring to the drawing, in detail, the fly exit attachment or device for a window or door screen comprises an inverted substantially V-shaped frame A, including the upwardly converging side strips 5, which meet each other at the apex of the inverted substantially V-shaped frame A and are joined to each other in any suitable manner, while spaced from the lowermost open end of said frame A is a cross rail or slat 6, the width of which is considerably less than the width of said strips 5 of the frame and this slat 6 has formed therein medially of the same a channel or pocket 7 constituting a well for the reception of substance for attracting flies through the open lower end of the frame A.

Secured in any suitable manner to the edges of the side strips 5 of the frame A are inner and outer reticulated wire mesh fabric sections 8 and 9 respectively, the inner section 8 being extended from the apex of the frame A to a point removed from the lower open end of said open frame A so that the edge of this section 8 is in a plane with the horizontal lower face of the slat 6, while the section 9 extends from the apex of the frame A to the lower open end thereof with its lower edge flush therewith. These sections 8 and 9 secured to the frame A constitute an inclosure 10 therein for flies which enter said inclosure through the lower open end of the frame.

The section 9 contiguous to the slat 6 is cut away to accommodate a plate 11, preferably of the shape shown in Fig. 1 and located medially of said section 9, the plate being secured to the section 9 in any suitable manner and is provided with a suitable central opening normally closed by a swinging gate or slide 12 pivoted at 13 to said plate 11. On the opening of the gate 12 access can be had to the interior of the inclosure 10 for the introduction of suitable substance into the well 7 for attracting flies into the inclosure, the substance being delivered through the opening in the plate 11 and thereafter the gate 12 is closed, so that flies cannot make an exit through this opening in the plate 11 to the inside of a room or other inclosure.

Mounted in the frame A adjacent to the apex thereof between the side strips 5 is an exit spout 14, preferably made from metal of tubular form and the same is fastened to the said frame in any suitable manner so as to project outwardly and upwardly beyond the inner screen section 8 the desired distance for a purpose presently described.

The spout 14 opens into the inclosure 10 and constitutes an exit passageway from said inclosure 10 to the outside of a window or door screen so that flies alighting upon the latter at the inside thereof will be attracted by the substance within the well 7 in the frame A into the inclosure 10 and by reason of the formation of the frame A will be caused to make an exit through the spout 14 to the outside of the window or door screen.

Mounted at suitable intervals on the strips 5 at the inner edges thereof are hangers 15, which in this instance are in the form of prongs, yet the same may be of any other form to serve as means for fastening said attachment or device to the inside of a door or window screen, the attachment or device being hung upon the wire mesh fabric of the said screen so that the section 8 will contact with said screen, it being understood of course that the said attachment or device can be permanently fastened upon the screen if found desirable. The spout 14 is protruded through one of the interstices of the wire mesh fabric from the inside of the screen to the outside thereof and this spout by reason of the particular length thereof may protrude the desired distance outside of the screen for the complete exit of flies when imprisoned in the inclosure 10 and passing upwardly therein through said spout from the inside of a room or other inclosure to the outside of the same.

It will be readily apparent that by reason of the construction of the attachment or device the same can be mounted at any desired locality upon the wire mesh screen or fabric of the door or window screen. The device may be made of any desirable size although preferably of such size as to permit the shifting thereof at any desired point throughout the area of the wire mesh fabric of the window or door screen.

The attachment or device in its construction constitutes a unit, thereby making the same portable and readily applied to and removed from a window or door screen.

From the foregoing it is thought that the construction and manner of use of the attachment or device is clearly understood and therefore a more extended explanation has been omitted.

What is claimed is:

1. A fly exit attachment or device of the character described comprising an inverted substantially V-shaped frame having a cross slat remote from the apex end thereof and provided with a channel forming a well, wire mesh fabric sections secured to certain of the edges of the frame to provide a lower open end thereto and constituting an inclosure within the frame, an exit spout arranged at the apex of the frame and communicating with the inclosure and projecting a distance outwardly from said frame, and means on the frame at one side thereof for the detachable mounting of said frame upon a window or door screen.

2. A fly exit attachment or device of the character described comprising an inverted substantially V-shaped frame having a cross slat remote from the apex end thereof and provided with a channel forming a well, wire mesh fabric sections secured to certain of the edges of the frame to provide a lower open end thereto and constituting an inclosure within the frame, an exit spout arranged at the apex of the frame and communicating with the inclosure and projecting a distance outwardly from said frame, means on the frame at one side thereof for the detachable mounting of said frame upon a window or door screen, and means mounted on the outermost screen section of the frame when carried by the window or door screen to permit access to the well within the inclosure.

3. A fly exit attachment or device of the character described comprising an inverted substantially V-shaped frame having a cross slat remote from the apex thereof and provided with a channel forming a well, wire mesh fabric sections secured to certain of the edges of the frame to provide a lower open end thereto and constituting an inclosure within the frame, an exit spout arranged at the apex of the frame and communicating with the inclosure and projecting a distance outwardly from said frame, means on the frame at one side thereof for the detachable mounting of said frame upon a window or door screen, and means mounted on the outermost screen section of the frame when carried by the window or door screen to permit access to the well within the inclosure, the said cross slat being of less width than the width of the frame to afford a passage for flies through the lower open end of said frame to the inclosure.

In testimony whereof, I affix my signature hereto.

JEREMIAH MARSDEN.