L. M. TULLY.

FLY SCREEN.

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916,632.

Patented Mar. 30, 1909.

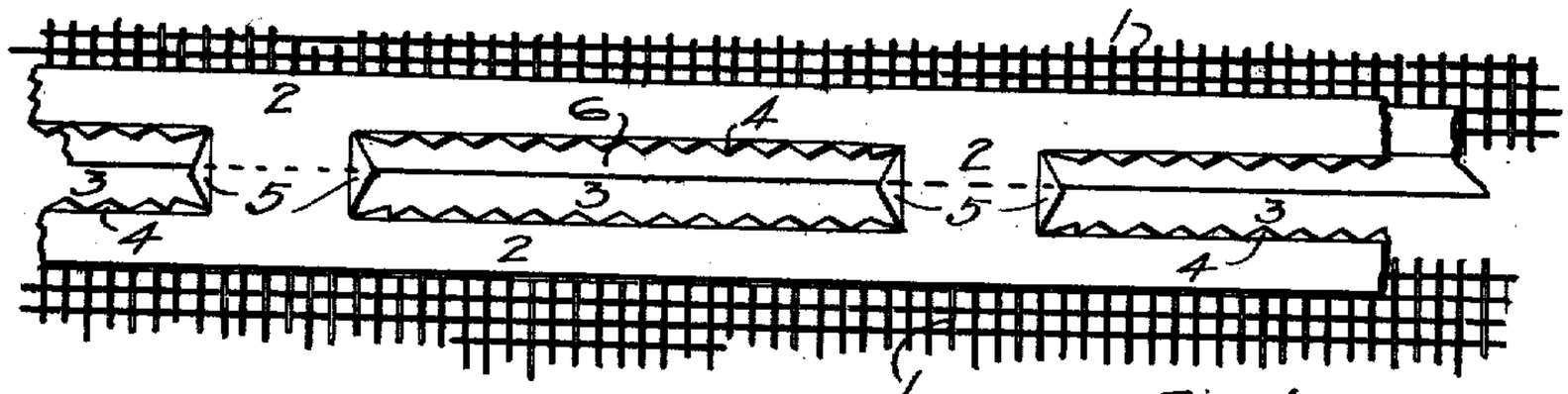


Fig. 1.

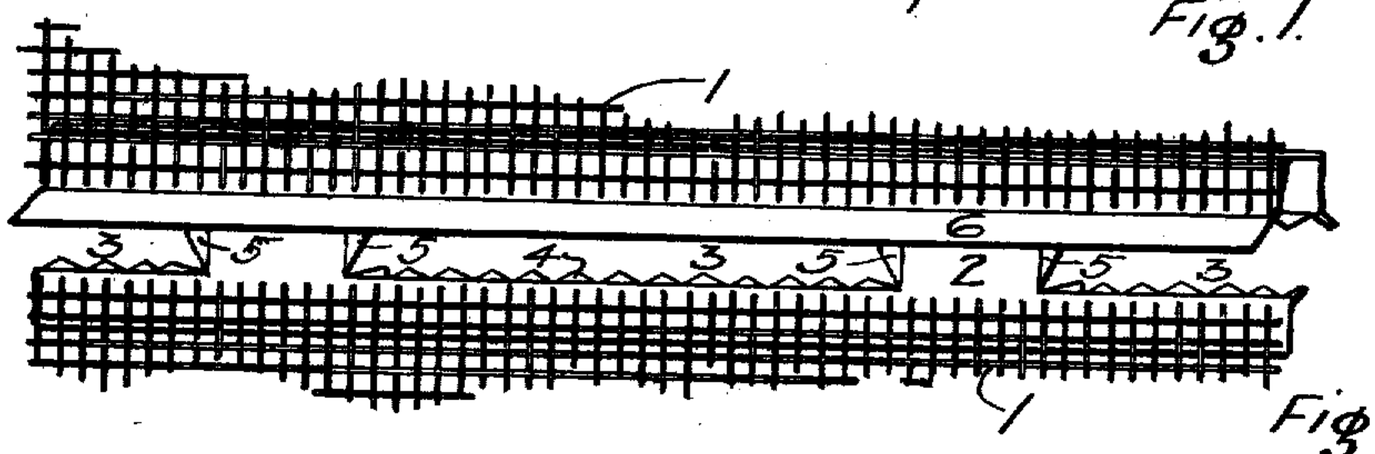


Fig. 2

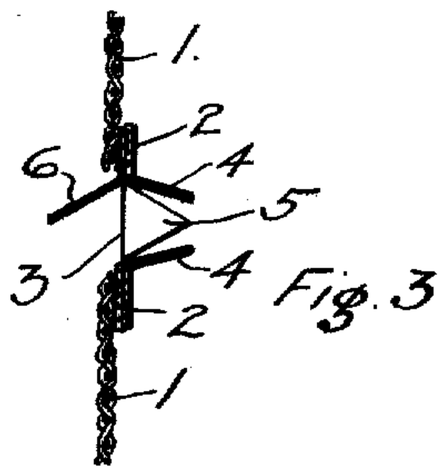


Fig. 3

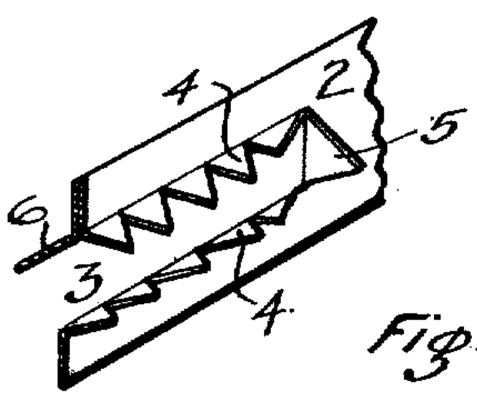


Fig. 4.

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FLY-SCREEN.

No. 916,632. Specification of Letters Patent. Patented March 30, 1909.

Application filed August 10, 1908. Serial No. 447,730.

To all whom it may concern:

Be it known that I, LAWRENCE M. TULLY, a citizen of the United States of America, residing at Tacoma, in the county of Pierce and State of Washington, have invented certain new and useful Improvements in Fly-Screens, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to screens for windows and doors and has for its object to prevent the entrance of flies and other insects into the room and to allow their free egress therefrom. I attain this object by the devices illustrated in the accompanying drawing, in which—

Figure 1 is an outside view of a portion of a screen equipped with my device; Fig. 2 is a similar inside view thereof; Fig. 3 is a vertical cross-section thereof; and Fig. 4 is a perspective view.

Similar numerals of reference refer to similar parts throughout the several views.

Flies and other insects have become recognized as the principal carriers of almost all the diseases produced by germs. It is therefore highly important to prevent their entrance into a room through any opening therein for ventilation or for entrance thereinto and this has been partially accomplished through the insertion of a screen in the said opening. It has been found, however, in many places to be practically impossible to entirely exclude them and the effect of the screen is then almost as dangerous as though no screen were there since such flies as do gain an entrance are unable to find their way out and consequently explore the interior of the room much more thoroughly than if they were free to come or go at will. Hence it is very desirable to provide a means to allow the flies free exit from the room and yet keep them from entering it as much as possible.

My invention, as illustrated in the drawings, consists of a metal plate secured by any suitable means to the fly-screen (preferably soldered thereto) and having openings formed therein, the said opening being surrounded on the outer side of the screen by a series of teeth forming an obstruction over which flies will not readily climb, if the said teeth are properly proportioned. A continuous projection is also formed on or secured to the plate adjacent to the said openings on the inner side of the screen and tending to guide the flies to the openings.

Referring now to the drawings, the woven screen 1 is secured in any suitable manner (as by solder, or the like) to the upper and lower portions of the plate 2, extending across the screen, and the said plate 2 is provided with openings 3 in its face. The openings are formed by cutting pairs of inclined slits in the plate extending from edge to edge of the space for the hole and then bending the teeth 4 thus formed up and down into almost horizontal positions to form the upper and lower rows of teeth. The end teeth 5 are formed similarly by cutting the slits from the center of the space for the hole to the edges thereof. The guiding flange 6 is preferably made separate from the main plate and is secured thereto in any suitable manner.

Having described my invention, what I claim is:

The combination with a fly-screen having an elongated slit therein, of a plate carried by said screen parallel therewith and flatly thereagainst, and disposed over said slit, said plate having, substantially midway of the width thereof and intermediate its length, an elongated opening therethrough, and having teeth bent outward from all of the edges of said opening.

In testimony whereof I affix my signature in presence of two witnesses.

LAWRENCE M. TULLY.

Witnesses:

J. S. ELLSWORTH,

GEO. J. WOLFE.