C. A. FULCHER.

FLY TRAP FOR WINDOW AND DOOR SCREENS.

APPLICATION FILED JUNE 10, 1911.

**1,022,669.** Patented Apr. 9, 1912.

Fig. 1

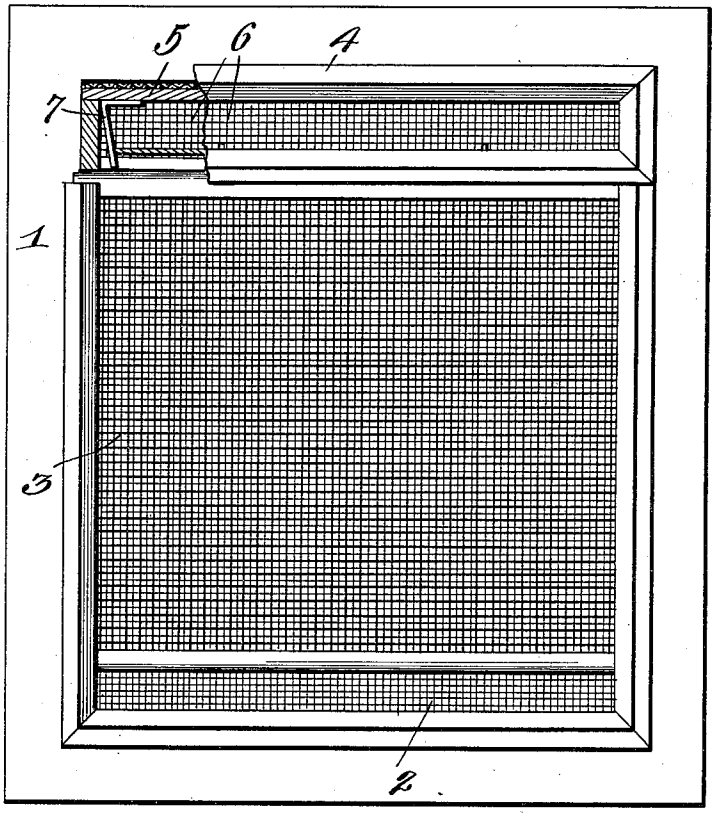



Fig. 2

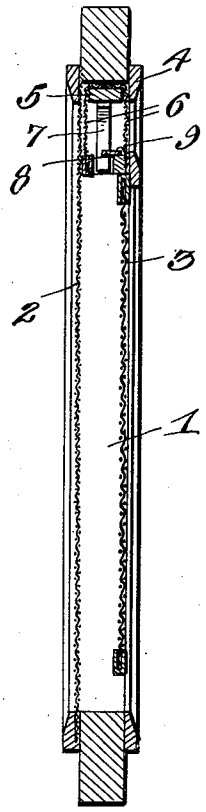



Fig. 3

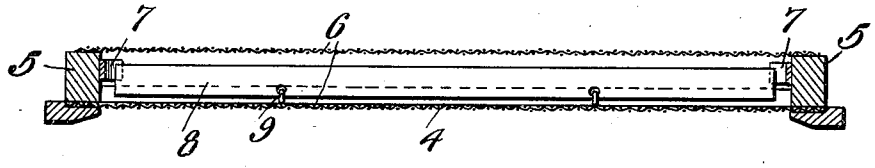
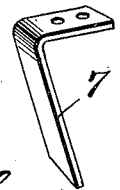



Fig. 4




Witnesses

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# UNITED STATES PATENT OFFICE.

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## FLY-TRAP FOR WINDOW AND DOOR SCREENS.

1,022,669. Specification of Letters Patent. Patented Apr. 9, 1912.

Application filed June 10, 1911. Serial No. 632,430.

*To all whom it may concern:*

Be it known that I, CLARK A. FULCHER, a citizen of the United States, residing at Monroe, in the county of Monroe and State of Michigan, have invented certain new and useful Improvements in Fly-Traps for Window and Door Screens, of which the following is a specification, reference being had to the accompanying drawings.

This invention has for its object to improve the construction of screen doors and windows and consists in the peculiar construction and application of a trap, whereby the flies and other insects are prevented from entering the apartment, while at the same time they are entrapped.

Another object of the invention is to provide a device of this character which will possess advantages in points of efficiency, durability, is inexpensive of manufacture and at the same time being simple in construction and operation.

With the above and other objects in view, the invention consists in the novel features of construction, combination and arrangement of parts hereinafter fully described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is an elevation of a window screen constructed in accordance with my invention, parts being broken away and in section; Fig. 2 is an enlarged vertical sectional view; Fig. 3 is a longitudinal section of the trap removed; Fig. 4 is a detail perspective view of one of the spring retaining members.

Referring more particularly to the drawing 1 indicates a frame having a sheet of woven wire fabric 2 secured to the inner side thereof and a screen of a larger mesh than 2 is secured to the outside of the frame as shown at 3, the mesh in this screen 3 being large enough to allow a fly to pass through the same and be retained in between the two screens as it will not be able to pass through the screen 2. It is a well known fact that flies will crawl upward on a vertical surface, and when a fly passes through the screen 3 and finds he cannot get through the next screen 2 he will ascend until he reaches the trap 4. This trap comprises a frame 5 having screen wire secured to both sides thereof as shown at 6. Secured to the top bar of the frame and bent down at right angles are the spring retaining members 7, which engage both ends of the trap plate 8 to hold the same in a horizontal position when in use, said trap plate being hinged to the frame at 9. When it is desired to empty the trap, the plate 8 is pushed back until it is in a substantially vertical position and the flies are then emptied out through the bottom. The trap 4 is placed near the top of the screen door or window and is adapted to be removed or put back in place at any time.

While I have shown and described the preferred construction of my invention, it will be obvious that various changes in the details of construction and in the proportions may be resorted to for successfully carrying my invention into practice without sacrificing any of the novel features or departing from the scope thereof.

Having thus described the invention what is claimed is:—

In a device of the character described, the combination of a frame having a fine woven wire fabric secured to one side thereof and a screen of a larger mesh secured to the opposite side, a fly trap detachably secured to the upper end of said frame, said trap comprising a frame, having screen wire secured to both sides, a trap plate hingedly mounted in said frame and disposed in a horizontal plane, spring retaining members having one end bent at right angles and secured to the top of said frame and the other free end engaging the ends of the trap plate to keep the same in a horizontal position.

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

CLARK A. FULCHER.

Witnesses:
JAMES H. GILMORE,
WILLIAM S. KNAPP.