

No. 653,584.

Patented July 10, 1900.

J. MUELLER.
FLY SCREEN.

(Application filed July 3, 1899.)

(No Model.)

FIG. 1.

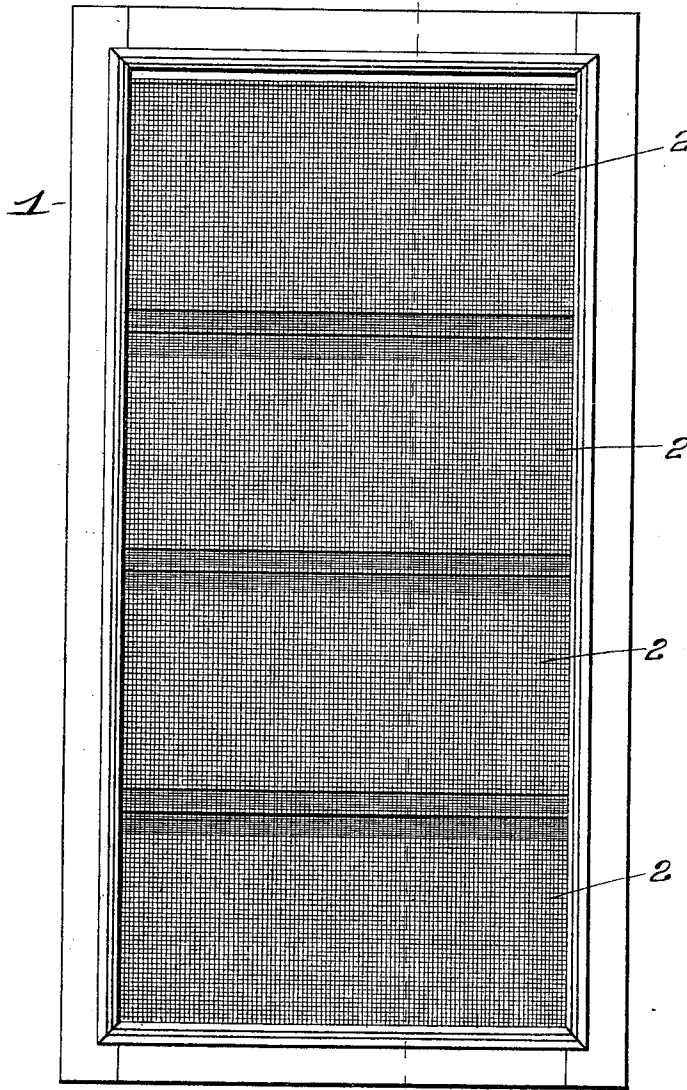


FIG. 2.

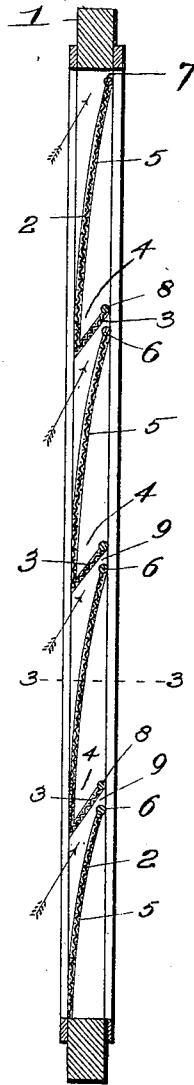
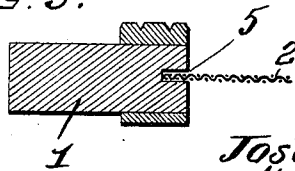


FIG. 3.



Attest
 Wm. Smith
 Master Griffin.

Inventor:-
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 By Wigdon Lougan Atty's

UNITED STATES PATENT OFFICE.

JOSEPH MUELLER, OF ST. LOUIS, MISSOURI.

FLY-SCREEN.

SPECIFICATION forming part of Letters Patent No. 653,584, dated July 10, 1900.

Application filed July 3, 1899. Serial No. 722,743. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH MUELLER, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Fly-Screens, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to fly-screens; and it consists of the novel construction, combination, and arrangement of parts hereinafter described and claimed.

Figure 1 is an elevation of the inside of one of my improved fly-screens. Fig. 2 is a vertical sectional view taken approximately on the line 2 2 of Fig. 1. Fig. 3 is a detail sectional view taken approximately on the line 3 3 of Fig. 2.

In the construction of my improved fly-screen I make use of the usual rectangular wooden frame 1, and in said frame are arranged the sections 2, of wire-netting, there being a plurality of these sections, and said sections have their lower ends bent upwardly, as indicated by 3, to form the V-shaped pockets 4. The side edges of the sections 2 are seated in grooves 5, formed in the inner edges of the side rails of the frame 1, and the top edges of said sections 2 are fixed in any suitable manner to transverse rods 6, the ends of which are seated in the sides of the frame 1, adjacent the outside of said frame, the upper one of these transverse rods 6 being arranged a slight distance below the top rail of the rectangular frame 1, thereby leaving a narrow space or outlet 7 at the top of the screen. The top edges of the upwardly-bent portions 3 of the sections 2 are secured in any suitable manner to transverse rods 8, identical with the transverse rods 6, said rods 8 being separated from said rods 6 by a slight space, thereby forming narrow outlets 9. The portions 3 of the sections 2 extend downwardly and inwardly from the rods 6 to points adja-

cent the front face of the frame of the screen and in a plane somewhat below the plane occupied by the rods 6, and from thence the sections 2 extend upwardly and rearwardly to the rods 8.

It has been observed that when flies alight upon a screen they most generally crawl upwardly, or toward the top of said screen. Therefore where a screen of my improved construction is made use of the flies alighting on the inside of the sections 2 will in crawling upwardly pass outwardly through the spaces 9 to the outside of the screen, and should any of the flies alight on the inside of the top section 2 they will, after crawling to the top of said section, pass outwardly through the opening 7 at the upper end of said section.

A screen of my improved construction is simple, inexpensive, and provides very efficient means for preventing flies from entering a door or window and also allows an escape for the flies alighting on the inside of said screen.

I claim—

In a fly-screen, a rectangular frame, a plurality of horizontal rods 6 secured to the said frame near the outer side thereof, a plurality of horizontal rods 8 secured to the said frame in vertical alinement with the rods 6, a plurality of reticulated sections arranged in said frame, which sections at their upper ends are attached to the said rods 6, and which slope inwardly toward their bottom, whence they turn upwardly and outwardly forming V-shaped pockets the lower points of which are below the rod 6 of the next lower section and the upper ends of which are secured to the said rods 8, substantially as specified.

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

JOSEPH MUELLER.

Witnesses:

EDWARD E. LONGAN,
M. B. SMITH.