

No. 743,634.

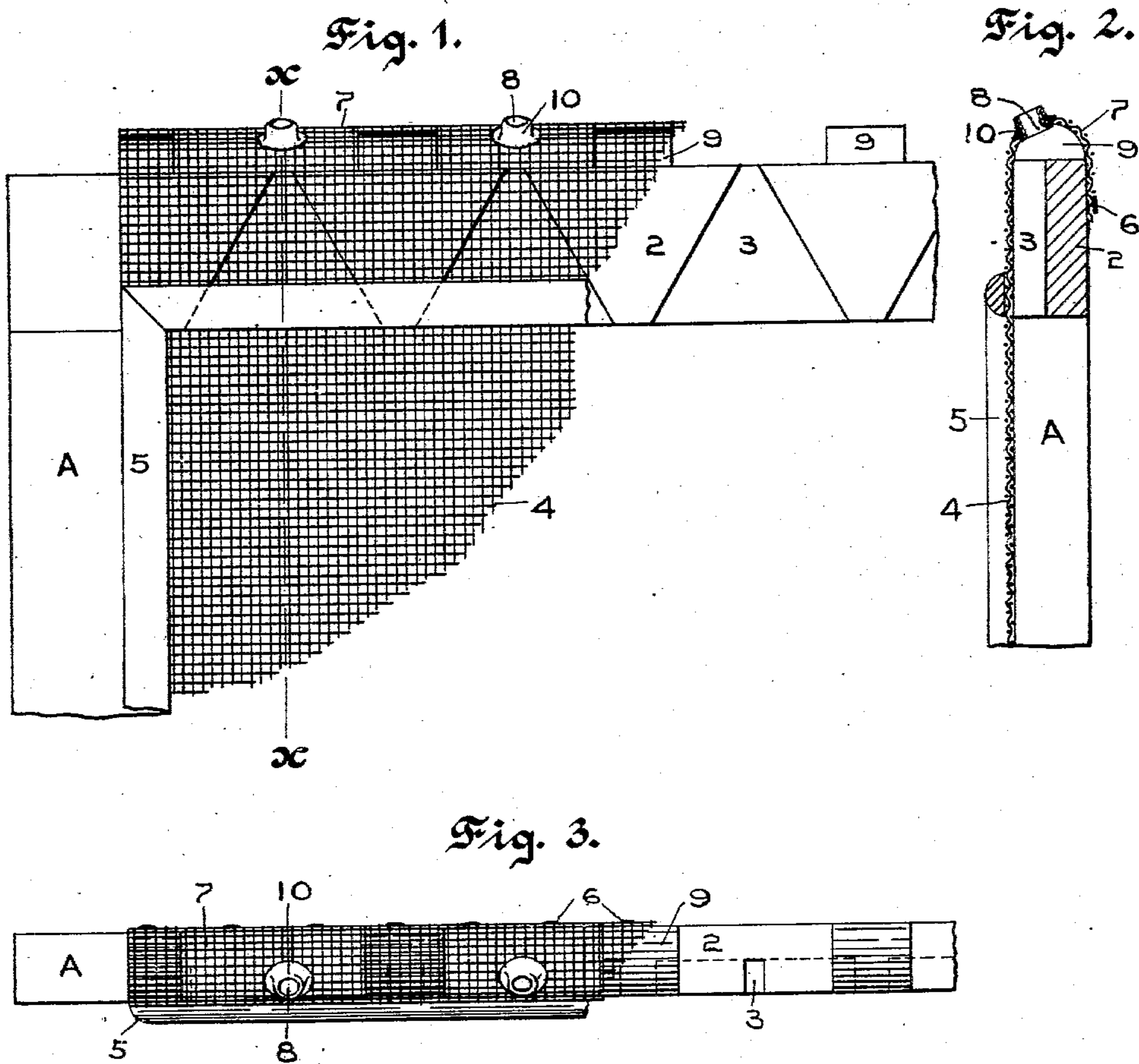
PATENTED NOV. 10, 1903.

L. E. GAYLORD.

SCREEN.

APPLICATION FILED APR. 30, 1903.

NO MODEL.



Witnesses,  
W. H. Palmer.  
Emily F. Otis

Inventor,  
L. E. Gaylord.  
By *John H. Johnson*  
his Attorneys.

# UNITED STATES PATENT OFFICE.

LOT E. GAYLORD, OF ST. PAUL, MINNESOTA.

## SCREEN.

SPECIFICATION forming part of Letters Patent No. 743,634, dated November 10, 1903.

Application filed April 30, 1903. Serial No. 154,960. (No model.)

*To all whom it may concern:*

Be it known that I, LOT E. GAYLORD, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Screens, of which the following is a specification.

My invention relates to improvements in screens designed to be placed in doors or window-casings, its object being to provide a screen which will allow the escape of insects from the interior of the room to the outer atmosphere, while at the same time preventing the entrance of such insects.

To this end my invention consists in the features of construction and combination hereinafter particularly described and claimed.

In the accompanying drawings, forming part of this specification, Figure 1 is an outside view of my improved window, partly broken away. Fig. 2 is a section on line  $x x$  of Fig. 1, and Fig. 3 is a top elevation.

Referring to the drawings, A represents a frame designed to fit within a window or door casing outside of the window or door. 2 represents the upper cross bar or rail of the frame, provided with upwardly-tapered grooves 3 in its outer side. Secured to the outer face of the frame A is a sheet 4, of wire-gauze or other screen material, secured in place, preferably, by a suitable molding 5. The upper end of the screen extends upwardly past the top rail 2 and is arched, as indicated in Fig. 2, the end of the screen being suitably secured to the inner face of the rail 2, as by tacks 6. The arched portion of the screen thus forms a cage above the top rail and is formed at intervals with openings 8, within which are fitted eyelets 10, each provided with an upwardly-projecting flange. Blocks 9 close the ends of the cage portion 7 and are arranged intermediate of the openings 8.

In use the frame is fitted within the window-casing in the ordinary manner with the open side of the frame next to the interior of the room. When the screen is in place, the flies or other insects alighting upon the interior of the screen will follow their natural in-

stincts and crawl upward upon the screen and through the grooves 3 into the cage portion 7. As soon as they are within the cage portion 7 the flies seeking to escape will naturally pass through the openings 8. The natural hesitancy of flies to pass downward will prevent the flies passing from the outer air through the openings 8, and in addition the upwardly-turned eyelets 10, constituting the edges of said openings, will further deter the entrance of flies and other insects.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A screen of the class described, comprising a frame, the upper cross-bar of said frame being formed with upwardly-tapered passages therethrough, a screen secured to said frame, the upper end of said screen being arched over the top cross-bar and formed in its arched wall with openings.

2. A screen of the class described, comprising a frame, the upper cross-rail of the frame being formed with upwardly-directed passages therethrough, a screen secured to the exterior of said frame, said screen being carried above the top rail and arched to form a cage portion above said rail, the upper side of said cage portion being formed with a series of openings.

3. A screen of the class described, comprising a frame having its top rail formed with a series of upwardly-tapered passages therethrough, a screen secured to the exterior of said frame, said screen being carried above the top rail and arched to form a cage portion, the end of the screen being secured to the inner face of the top rail, and a series of openings in the top of said cage portion, said openings being each provided with an upwardly-turned edge.

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

LOT E. GAYLORD.

Witnesses:

H. S. JOHNSON,  
EMILY F. OTIS.