

W. BAGWELL.

EXIT FLY SCREEN.

APPLICATION FILED SEPT. 19, 1908.

929,816.

Patented Aug. 3, 1909.

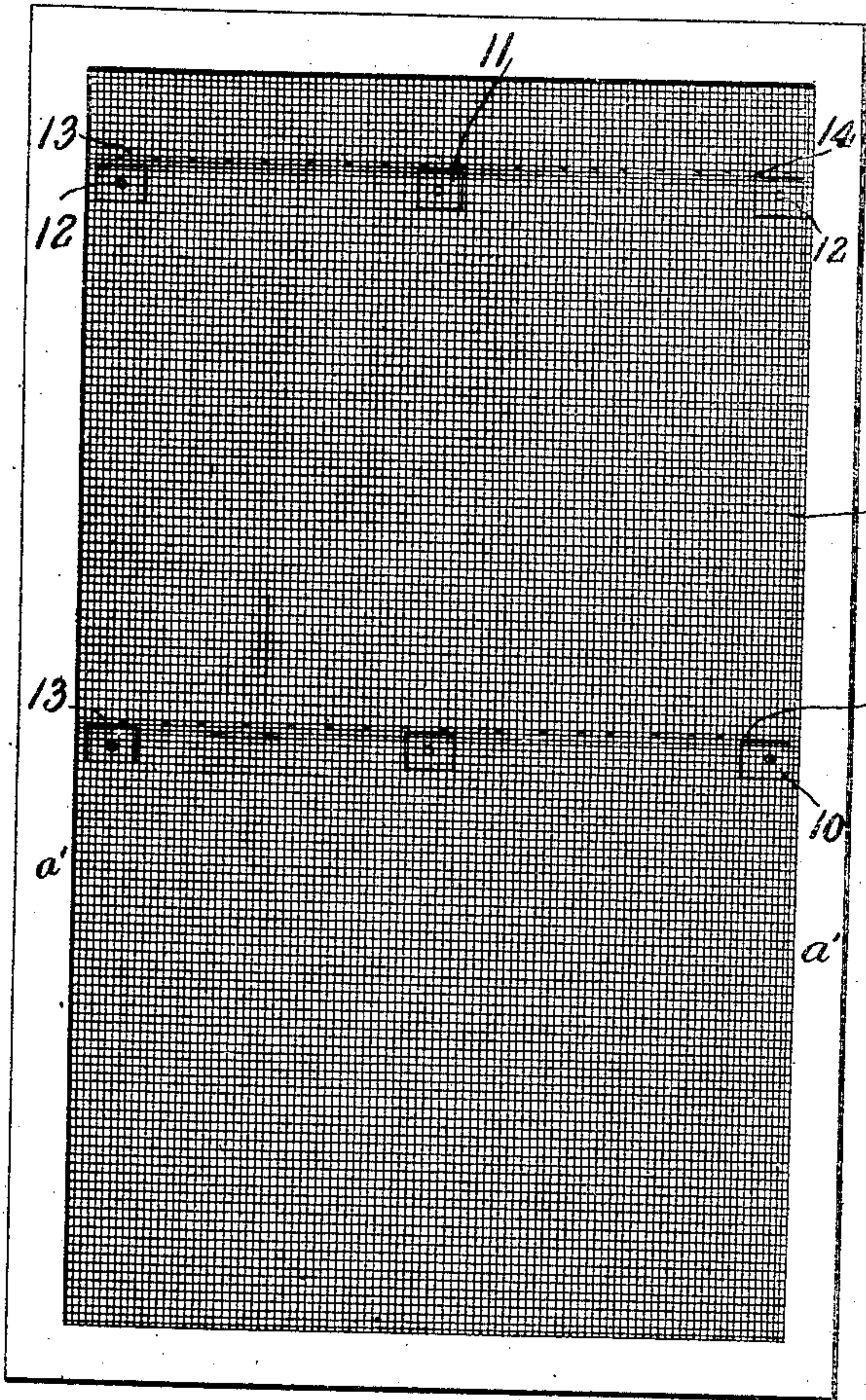


Fig. 1.

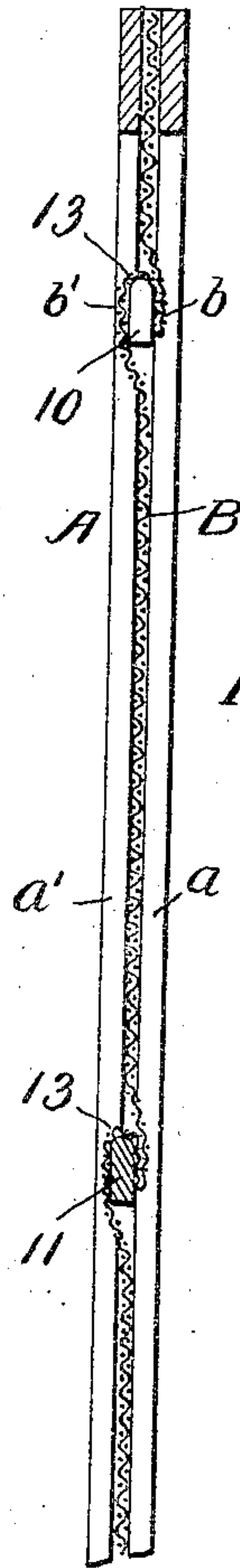


Fig. 2.

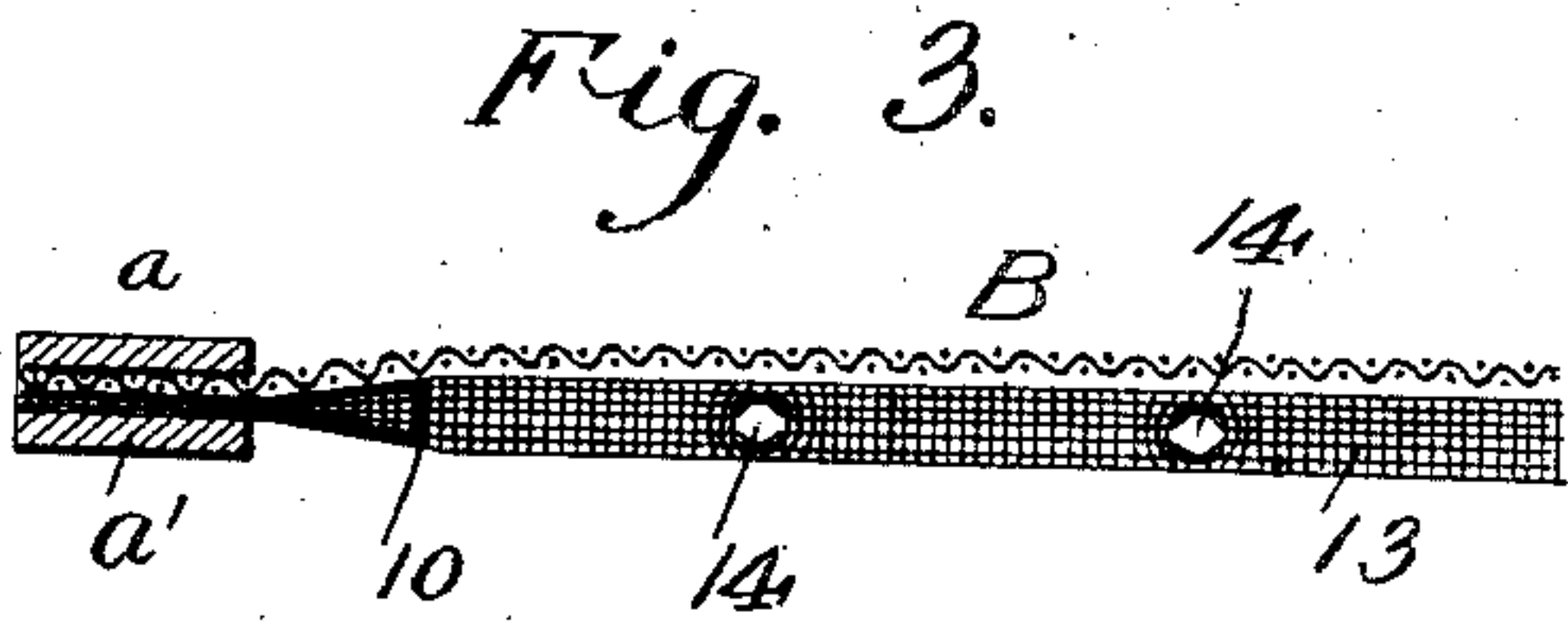


Fig. 3.

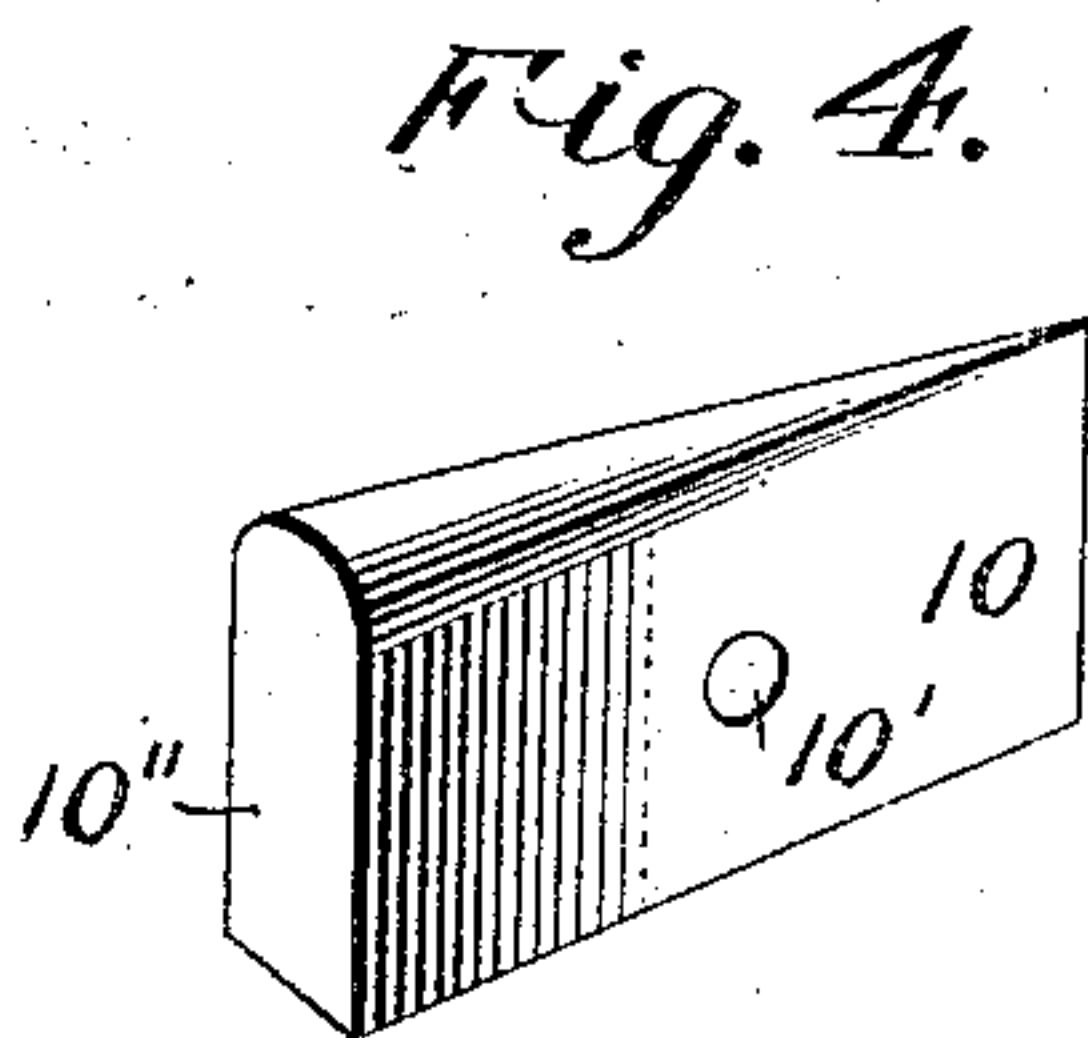
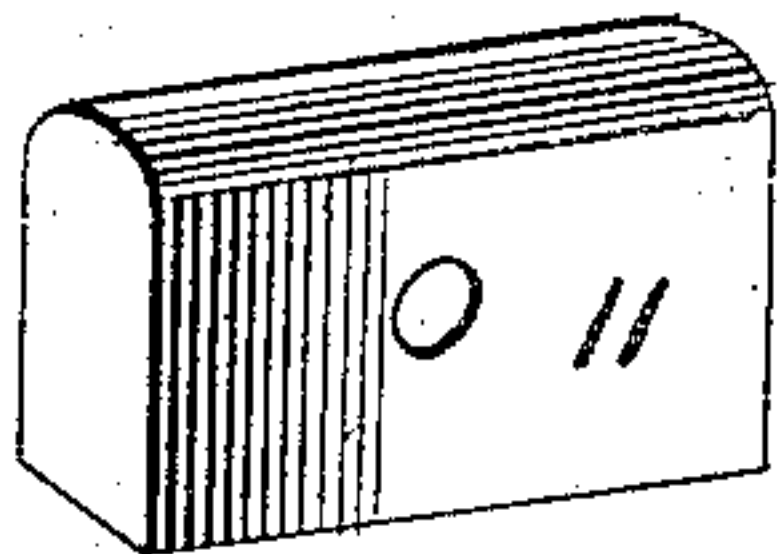


Fig. 4.

Fig. 5.



Witnesses

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UNITED STATES PATENT OFFICE

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EXIT FLY-SCREEN.

No. 929,816.

Specification of Letters Patent.

Patented Aug. 3, 1909.

Application filed September 19, 1908. Serial No. 453,863.

To all whom it may concern:

Be it known that I, WITHERS BAGWELL, a citizen of the United States, residing at Chase City, in the county of Mecklenburg and State of Virginia, have invented certain new and useful Improvements in Exit Fly-Screens, of which the following is a specification.

This invention relates to fly screens for dwellings and similar purposes, and has particular reference to that class of screens known as exit screens, whereby flies may pass outwardly from the inside of the building but are not permitted to enter through the same. It is a well known characteristic of the common house fly that it will not pass downwardly through a hole, but will readily pass upwardly through the same. Taking advantage therefore of this characteristic of the fly, this device provides for a plurality of exit holes in a screen, the screen being so arranged that any flies which may happen to be on the interior of the building, having entered through an open door or otherwise, may find their way outwardly through the screen toward the brighter light.

For a full understanding of the invention, including its construction and characteristic advantages, reference is to be had to the following detail description and the accompanying drawings, in which—

Figure 1 is an elevation of the entire screen; Fig. 2 is a vertical section of the same on an enlarged scale; Fig. 3 is a transverse sectional detail, showing the top of an outer lobe in plan, and Figs. 4 and 5 are perspective views of the spacing blocks.

Throughout the following detail description and on the several figures of the drawings similar parts are referred to by like reference characters.

In carrying out a preferred embodiment of the present invention there is employed a frame A consisting of inner and outer strips *a* and *a'*. A piece of suitable netting B, which may be of any ordinary construction, either wire or fabric, is folded upon itself one or more times so as to provide inner and outer lobes *b* and *b'*. It will be understood that the number of folds may be varied at will, and inasmuch as they are all of similar form a specific description will be given of only one. After the netting B has been folded as indicated it will be secured at all of its edges permanently between the inner and outer strips of the frame. The

frame it will be understood may be suitable for the purpose of introducing into or out of a window or door, or it may constitute a window or door frame.

As plainly illustrated the inner lobe *b* is directed downwardly and the outer lobe *b'* is directed upwardly. In order to form the outer lobe into proper shape and so maintain it for operative purposes means are introduced therein from the inside of the screen, such means being shown as comprising wedge-shaped blocks 10, one for each end of the lobe and one or more intermediate blocks 11. The wedge-shaped blocks 10 are so introduced into the lobe *b'* that their points lie adjacent to the screen frame A. By this arrangement the wedges may easily be introduced into the lobe after the netting has been secured in a substantially flat form within the frame of the screen. The larger end 10' of each wedge will have sufficient width to insure the walls of the lobe *b'* being sufficiently spaced to permit flies to enter therebeneath as they ascend upon the inside. Whether or not intermediate blocks are employed will depend upon the width of the screen or the length of the lobes employed. Each of the blocks will be secured in position in the lobe *b'* in any suitable manner. As a convenient and satisfactory illustration of such means, it may be provided with a transverse hole 10'' through which a rivet 12 or other fastening means will be passed securing the same to the netting. The blocks will preferably be rounded on their upper edges so as to maintain the outer lobe in rounded form as indicated at 13.

After the parts of the screen are assembled as indicated above, a plurality of exit holes are formed in any suitable manner at the edge 13 of the lobe *b'*. When the screen is of wire netting such holes 14 may be formed conveniently by a round pointed tool or instrument which will spread the wires of the screen netting sufficiently to form such holes. This means of forming the holes is merely suggestive, however, but constitutes a simple and expeditious manner of formation, without materially injuring the fabric.

From the above specification of construction it will be understood that the screen will be employed in the customary manner, so introduced in position that the lobe *b* of the screen will be upon the inside of the building. Any flies which may be upon the

inside may light upon the screen as is common and while walking thereupon will travel upwardly within the lobe b' and find their way out through the holes 14. No
5 flies, however, will enter downwardly through such holes.

Having thus described a preferred embodiment of my invention but with no desire to be limited to the exact construction disclosed, what I claim and desire to secure by
10 Letters Patent of the United States, is:

The hereindescribed exit fly screen comprising a frame having inner and outer strips, a netting folded upon itself so as to
15 form inner and outer lobes and having its edges secured permanently between said in-

ner and outer frame strips, said outer netting lobe being directed upwardly and provided with a plurality of fly exit holes, and means introduced into said outer lobe and
20 secured therein for the purpose of maintaining it in proper form, said means including a wedge shaped block at each end of the lobe, the point of which wedge is adjacent to the frame.

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

WITHERS BAGWELL.

Witnesses:

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