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S. LEVINE ET AL.

WINDOW SCREEN

Filed April 1, 1927

Fig. 1.

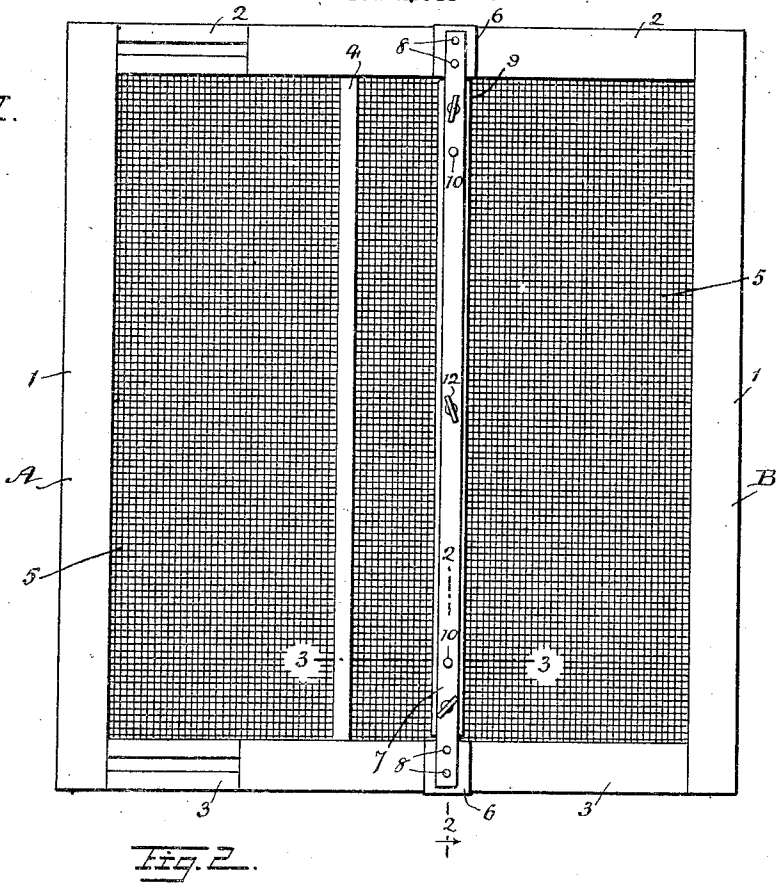


Fig. 2.

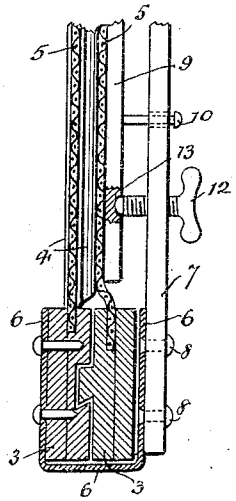
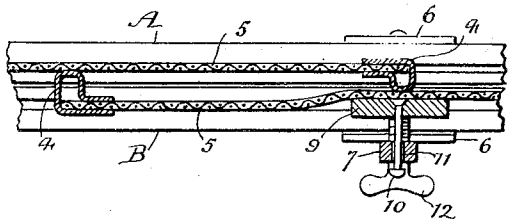


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

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WINDOW SCREEN.

Application filed April 1, 1927. Serial No. 180,212.

This invention relates to window screens and more particularly to window screens of the adjustable sliding type whereby the screen may be made to fit various sizes of windows.

An object of the invention is to provide a screen of this type with improved means whereby the screen sections are caused to engage each other and prevent the passage of flies or other insects between the screen sections.

It is a well known fact that a screen of this type as ordinarily made is more or less imperfect in its operation, and certainly this is true after the screen has been used for a period of time. The screen sections, or more particularly the netting sections, stretch, or the parts sag or warp, so that a space is provided between the screen sections through which the flies or other insects may enter, and it is the purpose of our invention to provide on a screen of this type means which may be adjusted from time to time as may be necessary to maintain the screen sections at all times sufficiently tight and close together to prevent the passage of flies or other insects between the screen sections.

With these and other objects in view, the invention consists in certain novel features of construction and combinations of parts, which will be more fully hereinafter described and pointed out in the claim.

In the accompanying drawings—

Figure 1 is a view in elevation showing the improvement attached to a screen of the sliding or adjustable type;

Figure 2 is an enlarged fragmentary view in vertical section on the line 2—2 of Figure 1;

Figure 3 is an enlarged fragmentary view in horizontal section on the line 3—3 of Figure 1.

A and B represent the two sections of the screen having sliding engagement with each other, and each section comprises an outer vertical bar 1 fixed to horizontal bars 2 and 3 at their upper and lower ends, respectively, the said bars of the respective frames keyed to slide relatively to each other.

Each frame section has an inner bar 4, and the bars 1, 2, 3 and 4 of the frame sections are connected by wire or other netting 5.

In the operation of this type of screen, the sections move relatively to each other and the inner portions of the screen sections overlap, and it is the purpose of our invention to provide means which prevent any spreading or separation of the screen sections at their overlapping portions to exclude flies and other insects.

Our improved device may be carried by either of the screen sections but we have shown the same attached to the section B, and as a mounting for the adjustable means we provide, preferably, U-shaped straps 6 which encompass the upper and lower bars 2 and 3 and to which strap 6 a bar 7 is secured, preferably by rivets or other securing devices 8.

Between the bars 7 and the netting 5 of screen section B a strip 9 is located and this strip 9 is approximately the full length of the netting portion 5 and is located between the bar 7 and the netting. Pins 10 are secured to the strip 9 and project through openings 11 in the bar 7 to hold the parts in proper relation but allow the strip to be moved toward or away from the bar.

To adjust the position of strip 9 we provide a series of set screws 12 which are threaded in the bar 7 and at their inner ends engage the strip 9 so that when these screws are moved inwardly they will force the strip 9 against the netting and press the netting sections together and effectually close any space which may exist sufficiently to allow for the passage of flies and other insects.

The strip 9 is preferably provided with sockets 13 in which the inner ends of the screws 12 are seated, as clearly shown in Figure 2.

While we have illustrated what we believe to be a preferred embodiment of our invention it is obvious that various changes and alterations might be made in the general form of the parts described without departing from our invention, and hence we do

not limit ourselves to the precise details set forth but consider ourselves at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claim.

We claim:

In a removable portable extensible window screen construction, the combination with two sliding sections, a bar fixed to one section, a strip located between said bar and the netting of the screen section, set screws carried by the bar and engaging the strip and adapted to move the strip so as to press the screen material of one section against the bar of the other section whereby the passage of flies and insects is prevented between the sections.

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