Nov. 20, 1928.

1,691,977

L. LEVI

WINDOW SCREEN

Filed March 10, 1928

Fig. 1.

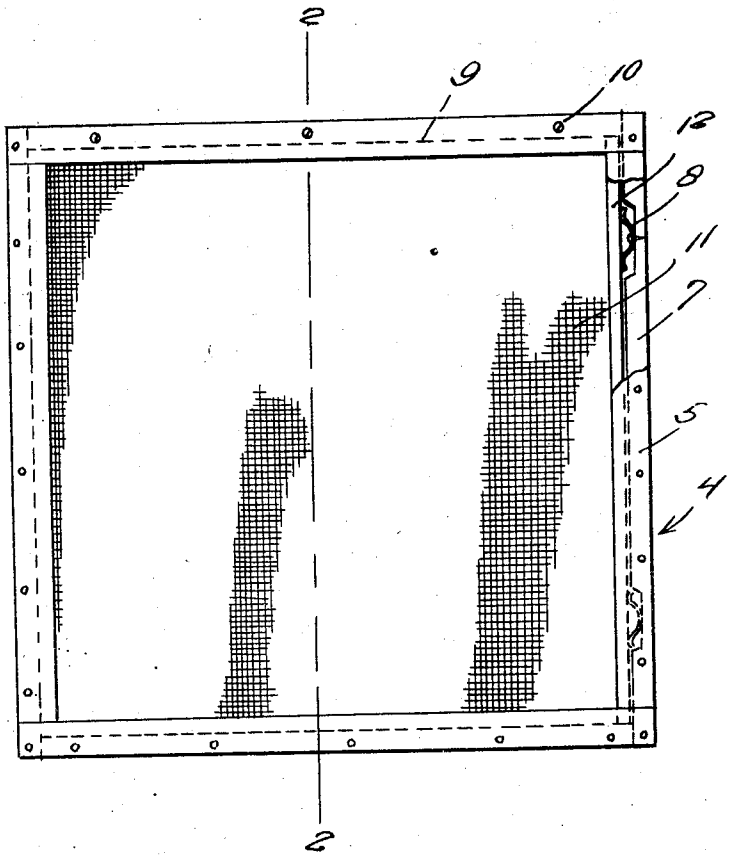


Fig. 2.

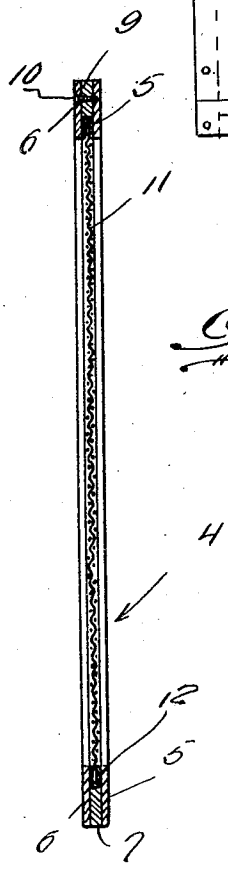
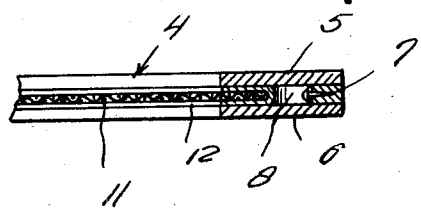


Fig. 3.



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UNITED STATES PATENT OFFICE.

LOUIS LEVI, OF WINTHROP, MASSACHUSETTS.

WINDOW SCREEN.

Application filed March 10, 1928. Serial No. 260,648.

This invention relates to an improved window screen, wherein the screen fabric is rigidly secured to a rigid metal frame, and the metal frame slidably mounted in an especially constructed outer wooden frame.

What I aim to do is to provide a simple and inexpensive structure characterized by this two-part inner and outer frame structure to facilitate construction, assembly and repair.

The particular structural details which serve to characterize and individualize this particular contribution to the art will become more readily apparent from the following description and drawings.

In the drawings:

Figure 1 is a side elevation of a screen constructed in accordance with the invention, with portions broken away to disclose the arrangement of details more clearly.

Figure 2 is a central vertical section taken on the line 2—2 of Figure 1.

Figure 3 is an enlarged fragmentary detail section, showing resilient retaining clips forming a part of the invention.

In the drawing, the numeral 4 designates generally the wooden frame which is of usual rectangular configuration. This is made up of spaced parallel side strips 5 and 6, having filler strips 7, fastened therebetween to provide guideways or channels for the slidable section of the screen. The right hand filler strip 7 as shown in Figures 1 and 3 is provided with spring retaining clips 8, these projecting into the complemental guide channel. It is desired to distinguish the top filler strip by the numeral 9 as it is intended to be removable and is held in place by retaining screws 10.

The slidable section comprises suitable screen fabric 11, stretched tautly and fastened to a metallic frame 12.

In assembling, the top retaining strip 9 is removed and the fabric screen and its metallic frame is slipped into the channels in a manner to cause the clips 8 to engage one end bar and to hold it in place. The clips operate as anti-rattling means. After the screen is then slipped into the wooden frame, the strip 9 is placed back and the screws fastened to hold the two frames in assembled relation as shown in the drawings.

The advantages of this arrangement are quite apparent to persons skilled in the art to which the invention relates, and therefore, a more detailed description is regarded unnecessary.

Minor changes in shape, size, and arrangement of parts coming within the field of invention claimed may be resorted to, if desired.

I claim:

A window screen comprising an outer frame embodying frame bars, at least one of which is composed of spaced parallel parts, and a filler strip arranged removably therebetween, said side bars being of channel shaped cross section, an inner frame slidably received in the channels and held in place by said filler strip, and screen fabric carried by said inner frame, said outer frame being constructed of wood and said inner frame being constructed of metal, said outer frame having one of its side bars provided with resilient retaining clips extending into the adjacent channel and engaging the adjacent side bar of the metallic inner frame.

In testimony whereof I affix my signature.

LOUIS LEVI.