Jan. 5, 1926. 1,568,494

G. ANASTAS

WINDOW SCREEN

Original Filed April 21, 1924

Fig. 1.

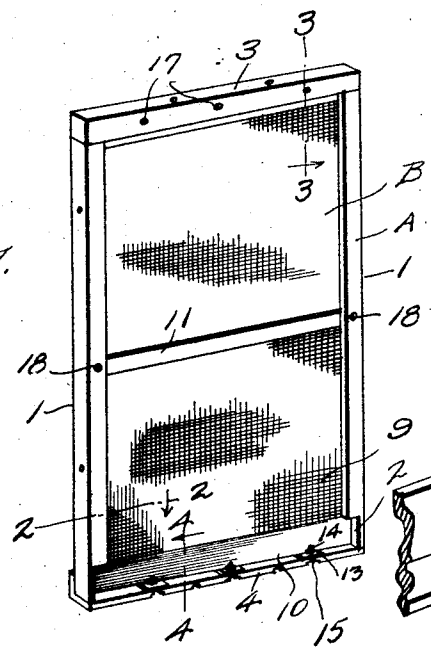


Fig. 5.

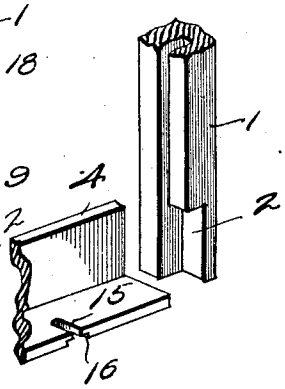


Fig. 2.

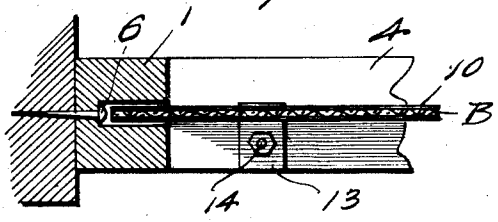


Fig. 3.

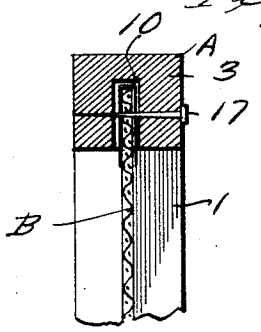
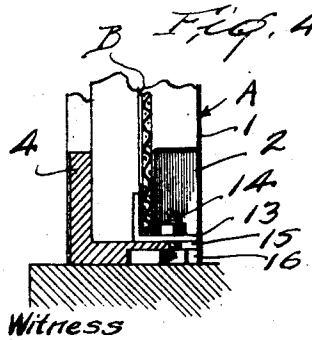


Fig. 4.



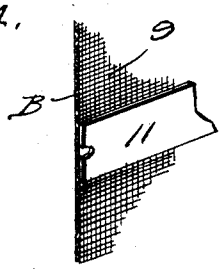


Fig. 6.

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Witness

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UNITED STATES PATENT OFFICE.

GEORGE ANASTAS, OF POCATELLO, IDAHO.

WINDOW SCREEN.

Application filed April 21, 1924, Serial No. 708,035. Renewed October 19, 1925.

To all whom it may concern:

Be it known that I, GEORGE ANASTAS, a subject of Armenia, residing at Pocatello, in the county of Bannock and State of Idaho, have invented certain new and useful Improvements in Window Screens, of which the following is a specification:

This invention relates to improvement in window screens and has for one of its prime objects to provide a simple and efficient structure which may be readily attached to an ordinary window frame and has a screen portion removably associated therewith.

Another important object of the invention is to provide a device of this nature which is strong and durable but may be manufactured at a comparatively low cost and which will be adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description progresses, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:

Figure 1 is a perspective view of the window screen embodying my invention,

Figures 2, 3 and 4 are detail sectional views on an enlarged scale taken substantially on the lines 2—2, 3—3 and 4—4 of Figure 1 looking in the direction of the respective arrows,

Figure 5 is a detail perspective showing one corner of the frame disassembled, and

Figure 6 is a detail perspective showing an intermediate edge portion of the screen proper.

Referring to the drawing in detail it will be seen that A designates the frame and B the screen proper which is receivable in the frame. The frame A consists of the side rails 1, top rail 3, and bottom rail 4. The side rails 1 are U-shaped in cross section and provided with openings 2 at their lower ends to allow insertion of the screen B. The top rail 3 is also U-shaped in cross section and is suitably fixed to the upper ends of the side rails 1. The bottom rail 4 is L-shaped in cross section and fixed to the bottom ends of the side rails 1. These rails, when fixed together, are attached to the window frame by means of suitable fastening elements shown at 6 preferably passing through the intermediate portion of the side rails.

The screen B includes the usual foraminous sheet 9 having U-shaped strips 10 at its ends and a brace strip 11 across its center. These strips 10 and 11 are fixed to the foraminous sheet 9 in any suitable manner. The bottom strip 10 has attached thereto a plurality of angular or L-shaped lugs 13. One leg of each lug is attached to the lower strip 10 and the other leg is adapted to lie on the lower portion of the lower rail. The lower portion of the lower rail is provided with a plurality of transversely extending slots 15 countersunk on the bottom face as at 16 so that bolts 14 may have the heads positioned in the countersunk recesses 16 with the shanks of the bolts passing through the slots and through openings provided in the lugs 13. This assemblage is illustrated to advantage in Figure 4.

In assembling the screen the top strip is positioned substantially parallel with the lower rail and passed into the frame by having its ends inserted through the openings 2 of the side rails 1 and then the upper strip is lifted and inserted in the channel formed in the top rail 3 and held therein by means of screws or other fastening elements 17. The strip 11 is also attached to intermediate portions of the side rails by means of fastening elements 18. The bottom strip is then fastened to the lower rail by means of the lugs 13 and bolts 14 just described. It is thought that the construction, advantages, and operation of this device will now be clearly understood without a more detailed description thereof. It is, however, desired to point out that numerous changes in the details of construction, and in the arrangement of parts may be resorted to without departing from the spirit of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:

In combination, a frame formed of a plurality of rails having channels therein, the bottom rail being substantially L-shaped in cross section and the bottom portion thereof provided with a plurality of transversely extending slots countersunk on the

under surface of the rail, a screen insertable in the rails, means for fixing the screen to the top and bottom rails, a plurality of L-shaped lugs attached to the lower edge of the screen, and bolts having their heads fitted in the countersunk recesses associated with the slots so that the shanks pass through the slot and pierce the lugs all in the manner and for the purpose specified.

In testimony whereof I affix my signature.

GEORGE ANASTAS.