March 12, 1946. H. F. DION 2,396,560

SECTIONAL WINDOW SCREEN

Filed Feb. 13, 1945

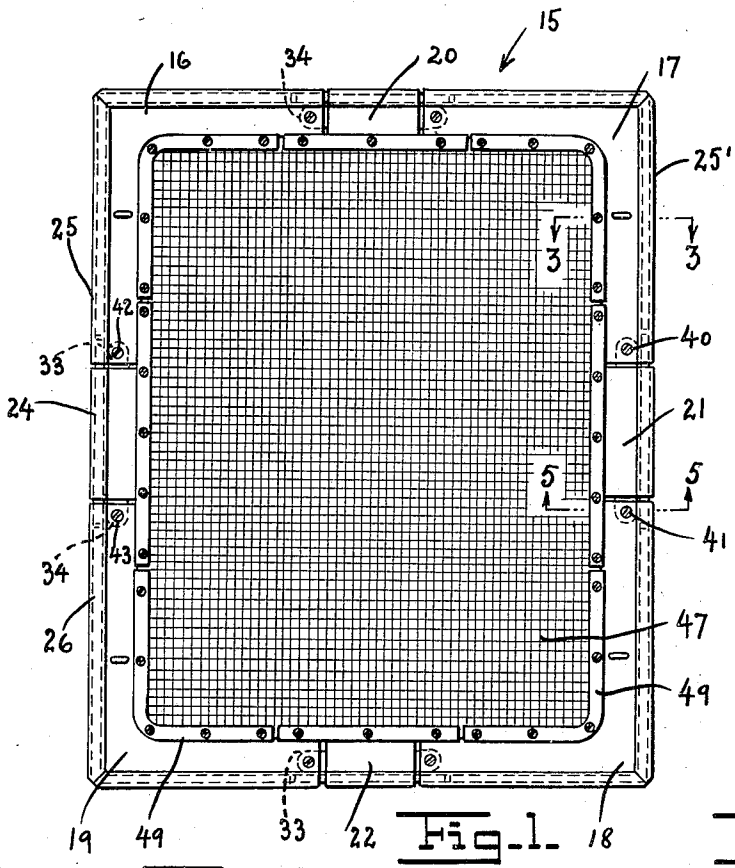


Fig. 1.

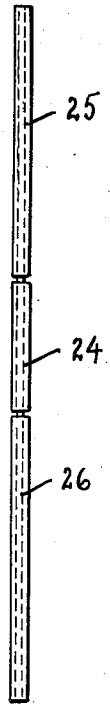
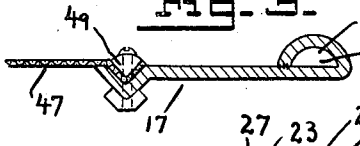


Fig. 2.

Fig. 3.



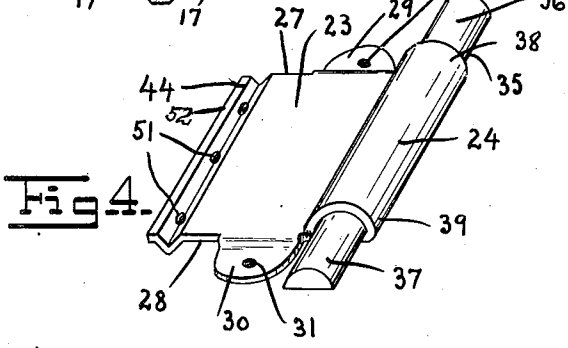


Fig. 4.

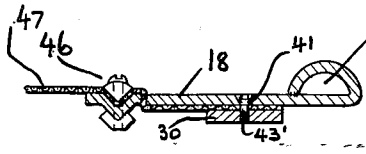


Fig. 5.

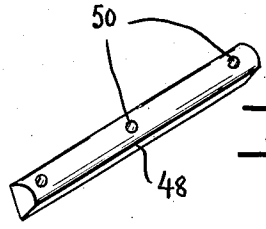


Fig. 6.

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Patented Mar. 12, 1946

2,396,560

UNITED STATES PATENT OFFICE

2,396,560

SECTIONAL WINDOW SCREEN

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Application February 13, 1945, Serial No. 577,616

4 Claims. (Cl. 160—374)

This invention relates to window screens and has for its object to provide a window screen frame formed in sections, whereby it may be set up to fit windows of different sizes.

Another object of the invention is to provide a window screen frame formed in sections in order that it may be set up to fit an entire window opening or a half window opening outside of the window sash in order not to interfere with the opening and closing of the window sash.

A further object of the invention is to provide a sectional window screen formed in sections and telescopic means for connecting the sections and fixedly securing the same rigidly together and means for securing a fly screening thereto.

Other features and advantages will become more readily apparent from the following description and the accompanying illustrative drawing in which:

Figure 1 is an elevational view of my window screen,

Figure 2 is an edge view thereof,

Figure 3 is a sectional view taken on line 3—3 of Figure 1,

Figure 4 is a detail perspective view of one section of the screen frame,

Figure 5 is a transverse sectional view taken on line 5—5 of Figure 1,

Figure 6 is a perspective view of a section of screen retainer member.

In the accompanying drawing as above enumerated and in the following specification, like characters of reference indicate like parts throughout and in which 15, indicates my improved window screen which is formed in a series of corner sections 16, 17, 18 and 19, and a series of intermediate sections 20, 21, 22 and 23. The rims 24, 25, 26, etc., of all of said sections are formed semi-cylindrical. All of the members 20 to 23 are provided on their transverse edges 27 and 28, with offset tongues 29 and 30, having screw threaded bores 31 and 32; the tongues being adapted to seat under the terminal ends 33 and 34, of any one of said corner sections.

Fitted into the semi-cylindrical rim sections of all of the intermediate sections 20 to 23 are similarly formed rods 35, (which may be formed of either wood or metal) the ends 36 and 37, of which project beyond the ends 38 and 39, of said intermediate sections, to enter far enough into abutting sections 25, 26, etc., to make a rigid connection. The bores 31 and 32, align with bores 40 and 41, in the ends 25 and 26, of the corner sections to receive screws 42 and 43, whereby the corner and intermediate sections are secured together.

All of the corner and intermediate sections are provided adjacent to their inner edges with V-crimp 44, 45, etc., all of which abut in vertical and horizontal alignment, into which crimps the edges 46, of the wire screening 47, is clamped by the V-shaped wedges 48, on the securing strips 49, for said screening. The strips 49, are provided with a series of bores 50, which align with threaded bores 51, formed along the inner edges 52, of all of the frame sections.

In order to provide for setting up screens to fit various window openings of differing dimensions, the intermediate sections 20 and 23, etc., are to be provided in various lengths sufficient to form the frame to fit snugly any standard window opening. No change of size in the corner sections will be required.

It is thought that persons skilled in the art to which the invention relates will be able to obtain a clear understanding of the invention after considering the description in connection with the drawing. Therefore, a more lengthy description is regarded as unnecessary.

Minor changes in shape, size and rearrangement of details and parts such as come within the purview of the invention claimed may be resorted to, in actual practice, if desired.

Having now described my invention that which I claim as new and desire to procure by Letters Patent is:

1. A fly screen formed of corner sections and intermediate sections telescopically connected, all of said sections having semi-cylindrical edges and similarly shaped rods projecting through certain of said sections and into adjoining sections forming said connection, means of fastening said sections together, said means consisting of tongues on certain of said sections overlapping adjoining sections and fastened to said overlaps, all of said sections provided with V-crimps and means for clamping the edges of fly screening into the crimps, to stretch the screening and secure the same to the frame.

2. A fly screen formed of corner sections and intermediate sections telescopically connected, all of said sections having semi-cylindrical edges and similarly shaped rods projecting through certain of said sections and into adjoining sections forming said connection, means of fastening said sections together, said means consisting of tongues on certain of said sections overlapping adjoining sections and fastened to said overlaps.

3. A fly screen formed of corner sections and

intermediate sections telescopically connected, all of said sections having semi-cylindrical edges and similarly shaped rods projecting through certain of said sections and into adjoining sections forming said connection, and means of fastening said sections together.

4. A fly screen formed of corner sections and intermediate sections telescopically connected, all of said sections having semi-cylindrical edges and similarly shaped rods projecting through certain of said sections and into adjoining sections forming said connection.

HENRY F. DION.