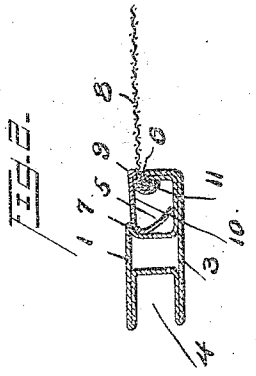
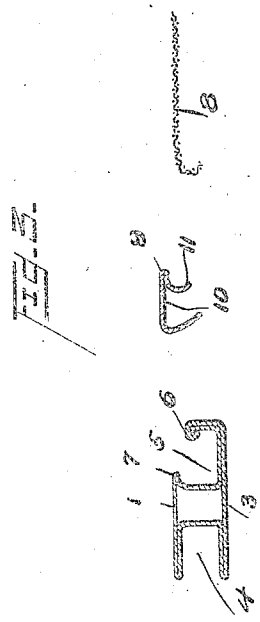
W. D. CRAMER.

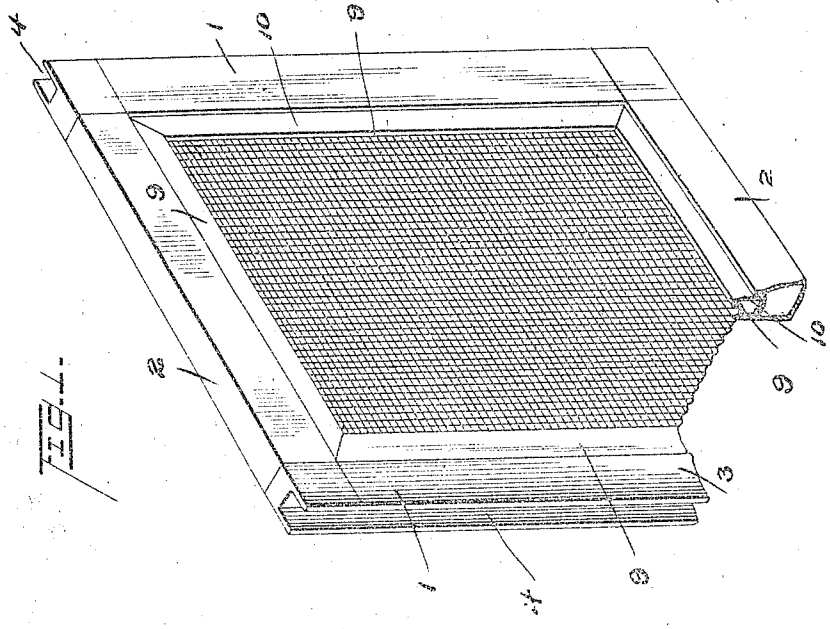
WIRE SCREEN.

APPLICATION FILED JULY 1, 1916.

1,238,747. Patented Sept. 4, 1917.







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WIRE SCREEN.

1,238,747. Specification of Letters Patent. Patented Sept. 4, 1917.

Application filed July 1, 1916. Serial No. 107,155.

To all whom it may concern:

Be it known that I, WILLIAM D. CRAMER, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Wire Screens, of which the following is a specification.

My invention relates to metal screens.

My invention pertains particularly to the means for securing the wire cloth upon the frame thereof, and the object of my invention is to produce a frame for holding said wire cloth in stretched position between the members thereof and for securely, yet removably, attaching the edges thereof to the edges of the frame. A further object of my invention is to produce a wire screen formed of a metal frame, provided with a groove adjacent to the inner edges thereof and a locking key adapted to be removably carried in said groove to engage the edge of the wire cloth and secure same in removable positions; and a still further object thereof is to produce a more simple, cheap and efficient screen of the character described than has heretofore been attained.

To these ends my invention includes the combination and arrangement of component parts to be hereinafter described and more particularly pointed out in the claim.

In the accompanying drawings, in which like reference characters indicate similar parts,

Figure 1 is a perspective view of my invention in assembled position with parts thereof broken away.

Fig. 2 is a sectional view thereof; and

Fig. 3 is a detail view of the parts separated.

Referring now to the drawings, 1 indicates the vertical side members of a window screen, and 2 the horizontal members thereof. As shown in the drawings, said members are formed of a metal plate comprising the main portion 3 provided on the side members with the vertical slot 4 adapted to travel on tracks carried on a window frame.

Adjacent to the inner edges of said frame a groove 5 is provided recessed from the face thereof, the outer edge of which is provided with a beading 6 while the inner edge has an over-hanging flange 7, as shown more particularly in Fig. 2 of the drawings.

The wire cloth 8 may be stretched between the vertical and horizontal members of the frame and pressed at its outer edges into the groove 5 and held therein against displacement by the key members 9. Said key members comprise longitudinal strips of spring metal 10, preferably U-shaped in cross section, upon one edge of which is provided a longitudinal U-shaped clip 11 adapted to embrace the bead 6 together with the edges of the wire cloth, while the main body portion may be pressed into the groove and engage the flange on the outer edge thereof.

When the parts are assembled, as shown in Fig. 1, the U-shaped clip 11 clamps the wire cloth on the beading 6 while the body portion of the key member 9 rests in the groove 5 and is held therein by the flange 7 on the edge thereof. By reason of the spring action of the body portion 10, the parts may be readily pried apart for dissembling and again reassembled, as before described.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

A window screen, comprising a rectangular frame provided with a groove in the face of the members thereof adjacent to their inner edges, a beading on the inner wall of the groove projecting outwardly, a flange on the opposite wall projecting inwardly, key members comprising U-shaped strips of spring metal having a U-shaped longitudinally extending clip on one edge adapted when assembled to embrace said beading and clamp a wire cloth stretched between said frame members while the body portion of the strip engages said flange.

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

WILLIAM D. CRAMER.

Witnesses:
C. N. E. WING,
ARTHUR F. MENTZ.