No. 881,061. PATENTED MAR. 3, 1908.

L. K. DEVLIN.

ADJUSTABLE METALLIC SCREEN FASTENER.

APPLICATION FILED APR. 22, 1907.

2 SHEETS—SHEET 1.

Fig. 1.

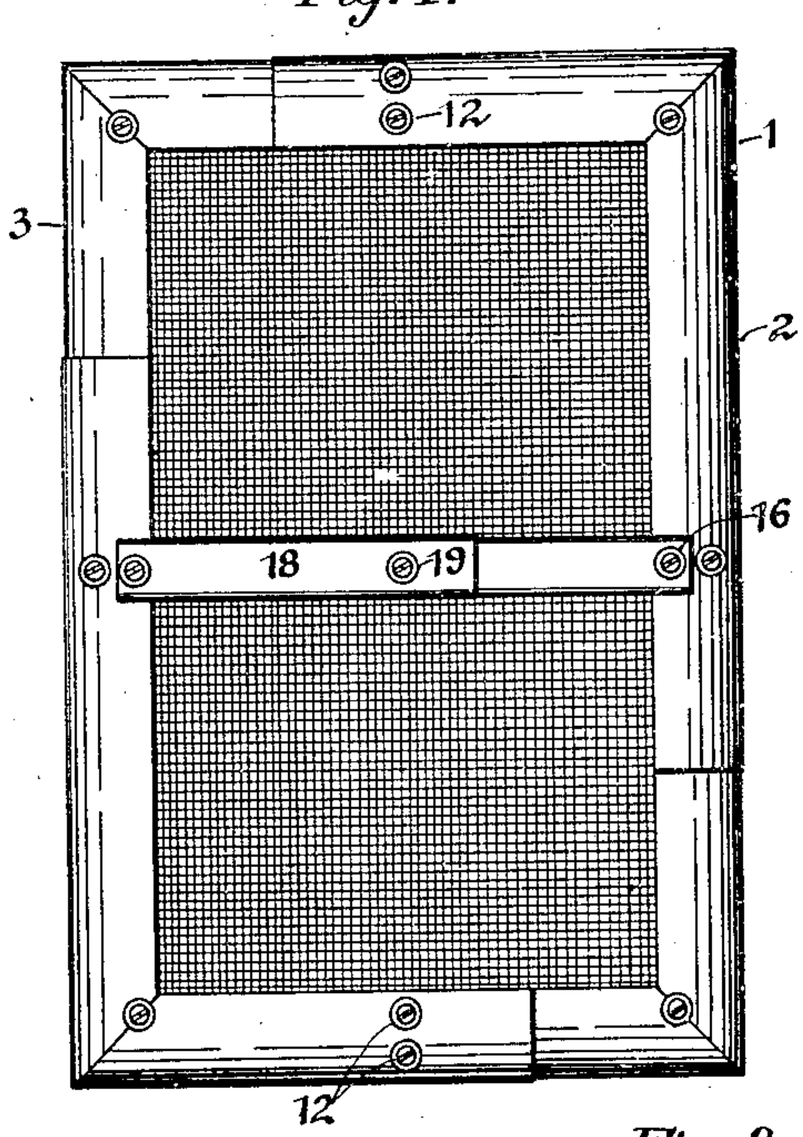


Fig. 2.

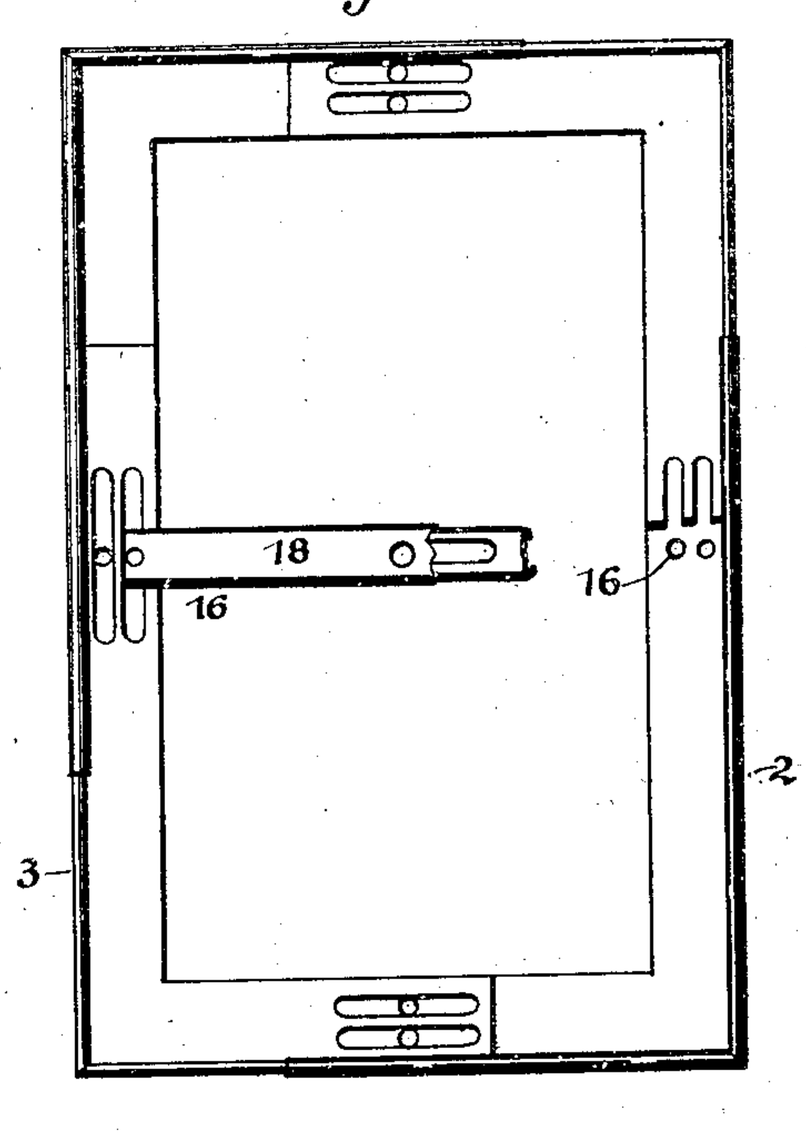


Fig. 3.

Fig. 5.

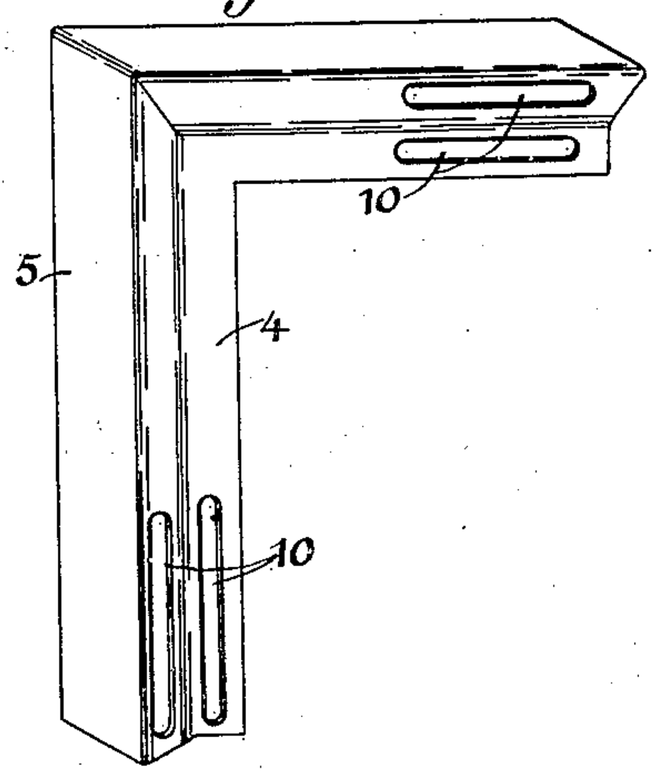
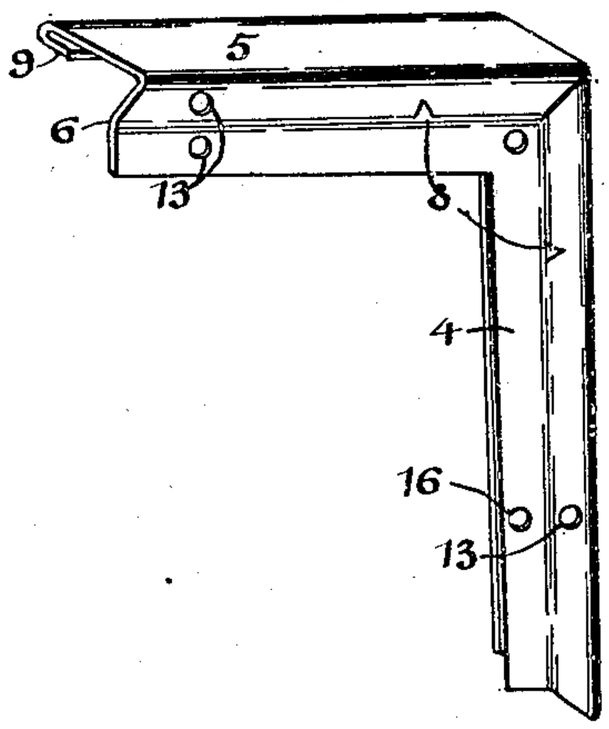


Fig. 4.



Witnesses
Geo. LeGuern
C. H. Griebauer.

Inventor
LAWRENCE K. DEVLIN
by H. Bliss & Co
Attorneys

No. 881,061. PATENTED MAR. 3, 1908.

L. K. DEVLIN.

ADJUSTABLE METALLIC SCREEN FASTENER.

APPLICATION FILED APR. 22, 1907.

2 SHEETS—SHEET 2.

Fig. 6.

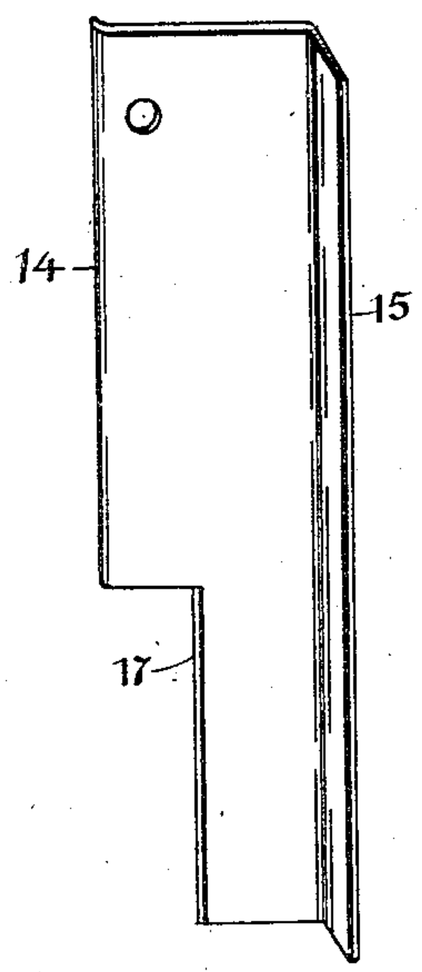


Fig. 7.

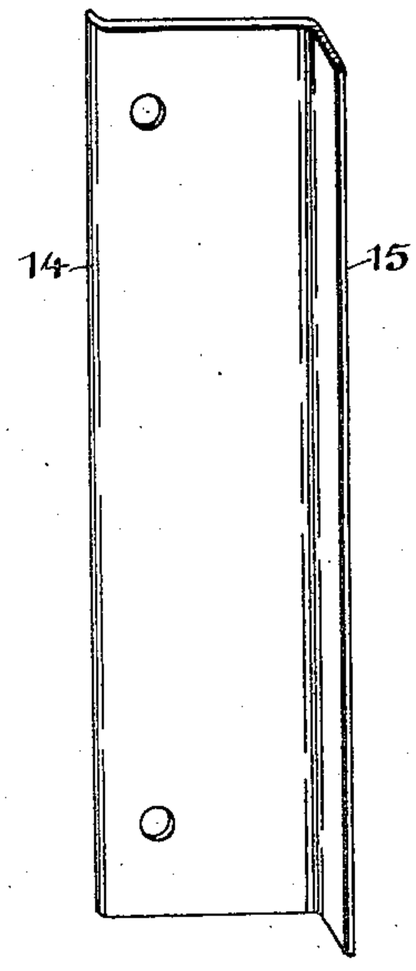


Fig. 8.

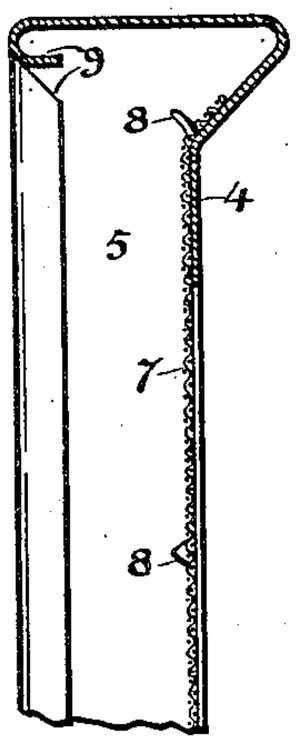
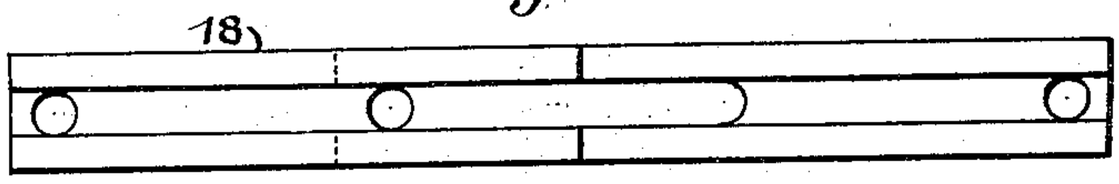


Fig. 9.



Witnesses
Geo. Seguern
E. H. Griesbauer.

Inventor
LAWRENCE K. DEVLIN
by A. Bruesonteo
Attorneys

UNITED STATES PATENT OFFICE.

LAWRENCE K. DEVLIN, OF HAVRE, MONTANA.

ADJUSTABLE METALLIC SCREEN-FASTENER.

No. 881,061. Specification of Letters Patent. Patented March 3, 1908.

Application filed April 22, 1907. Serial No. 369,664.

To all whom it may concern:

Be it known that I, LAWRENCE K. DEVLIN, a citizen of the United States, residing at Havre, in the county of Chouteau and State of Montana, have invented certain new and useful Improvements in Adjustable Metallic Screen-Fasteners; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to adjustable metallic screen frames.

The object of the invention is to provide a screen frame which may be quickly and easily adjusted to fit various sizes of doors or window frames, means being provided whereby the screen is firmly secured in the frame and means whereby the latter is braced.

With the foregoing and other objects in view which will appear as the nature of the invention is better understood, the invention consists in certain novel features of construction, combination and arrangement of parts as will be hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a plan view of one side of a screen frame and screen constructed in accordance with the invention; Fig. 2 is a similar view of the opposite side, parts of the same being broken away; Fig. 3 is an enlarged cross sectional view through the adjusted telescoping ends of the side pieces forming one side of the frame; Fig. 4 is a detail perspective view of one of the pieces forming one corner of the frame; Fig. 5 is a similar view of one of the pieces forming the opposite corners of the frame; Fig. 6 is a perspective view of one of the screen clamping strips; Fig. 7 is a similar view of the companion strip of the one shown in Fig. 6; Fig. 8 is a detail cross-sectional view through one side of the frame showing the arrangement of the screen engaging and retaining spurs; and Fig. 9 is an inner side view of one of the adjustable members or bars of the screen.

Referring more particularly to the drawings, 1 denotes the window or door screen frame which consists of two pairs of right-angularly formed corner pieces 2 and 3, the ends of which are adapted to be slidingly or telescopically engaged with each other, thereby providing for the adjustment of the same to form a screen frame of various sizes. Each of the corner pieces consists of an outer face plate 4 and a right-angularly disposed side plate 5 which forms the edge of the frame. The face plate 4 of the corner sections or pieces of the frame are preferably bent inwardly as shown at 6 to present an ornamental appearance and to form a support for the screen 7 which is engaged with the inner side thereof as shown. In the face plates 4 are formed a series of screen engaging spurs 8 which are adapted to be engaged with the screen adjacent to its outer edges to securely hold the same in place after the frame has been adjusted.

The inner edges of the side plates 5 of the screen are turned inwardly to form flanges 9 which will hereinafter be described. The flanges 9 on the sections or pairs of corners pieces 3 are adapted to receive the flanged edges of the opposite corner pieces or sections 2 whereby said sections are held in telescopic engagement with each other. In the opposite ends of the corner pieces or sections 3 are formed pairs of longitudinally-disposed slots 10 which are adapted to be engaged by retaining bolts or rivets 12 which are passed through bolt-holes 13 in the engaging ends of the corner pieces or sections 2, said bolts adjustably connecting the ends of said sections or corner pieces together and also serving to limit the outward movement of the sections and thereby prevent the same from being pulled entirely apart.

On the inner sides of the sections or corner pieces 2 and 3 of the frame are arranged binding and fastening strips 14 for the edges of the screen. The strips 14 for each side and end of the screen are formed in two pieces, the inner ends of which overlap and slide upon each other when the sections of the frame are adjusted. The strips 14 are formed on their outer edges with right-angularly bent retaining flanges 15 which are adapted to be engaged with the inwardly turned flanges 9 on the inner edges of the corner sections or pieces of the frame. The strips 14 are further secured to the face plates 4 by fastening bolts or rivets 16 which are passed through alined apertures formed in the strips 14 and the face plates 4 of the frame sections. The inner end of one member or piece of each of the side and end strips 14 is notched out or recessed on its inner edge as shown at 17 to clear the fastening bolts or rivets 12 arranged in the inner ends of the

strips 14, thus permitting said strips to be slipped apart when the sections of the frame are adjusted.

Arranged on each side of the screen midway between the ends or the same are adjustable brace bars 18, said bars being preferably in the form of flat telescoping sections, the outer ends of which are secured to the face plates 4 on one side of the screen frame and to the fastening strips 14 on the opposite side of the frame by means of the bolts 12 which adjustably connect the inner ends of the frame sections together. The telescoping sections of the bars 18 are secured in their adjusted position by means of a bolt 19 which is adapted to be passed through an aperture in one of the sections of the brace bars and through an elongated notch or recess 20 formed in the opposite section of the brace bar.

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

1. A screen frame consisting of right-angularly formed corner sections, means whereby the opposite ends of said corner sections are adjustably connected with each other, fastening bolts arranged through the engaging ends of said sections to secure the same in their adjusted positions, screen retaining spurs formed on said sections to engage and hold the screen, screen fastening strips arranged on the sides of said frame sections, telescoping brace bars arranged across the screen and connected at their ends to the sections of the screen frame, and means to detachably secure said strips in place to fasten the edges of the screen, substantially as described.

2. A screen frame consisting of right-angularly formed, adjustably connected corner pieces, said pieces comprising an ornamental face plate and right-angularly bent side plates which form the edges of the frame, inwardly bent retaining flanges formed on the inner edges of said side plates, and right-angularly formed screen fastening strips adapted to be engaged with said retaining flanges to fasten the edges of the screen to the sections of the frame, substantially as described.

3. A screen frame consisting of right-angularly formed adjustably connected pairs of corner sections, one pair of said sections having formed in their opposite ends elongated slots, fastening bolts adapted to be engaged with said slots and with bolt holes formed in the ends of the opposite pair of corner sections whereby said sections are secured in their adjusted positions, screen engaging spurs formed on said sections, and a series of adjustable screen fastening strips adapted to be secured to the sections of the frame, substantially as described.

4. A screen frame consisting of pairs of adjustably connected telescoping corner sections, means to secure the engaging ends of said sections in their adjusted positions, inwardly turned retaining flanges formed on the inner edges of said corner sections, a series of adjustable screen fastening strips secured to said sections, right angularly turned retaining flanges formed on one edge of said fastening strips and adapted to be engaged with the retaining flanges of said sections on the frame, adjustable brace bars arranged on each side of the frame and secured at their opposite ends to the engaging ends of the sides of the frame and means to secure the sections of the adjustable brace bars in their adjusted positions, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

LAWRENCE K. DEVLIN.

Witnesses:

FRANK B. BROWN,

E. DE LOIMICE.