No. 892,132. PATENTED JUNE 30, 1908.

O. L. CARTER.

ADJUSTABLE DOOR OR WINDOW SCREEN FRAME.

APPLICATION FILED JUNE 4, 1907.

FIG. 1

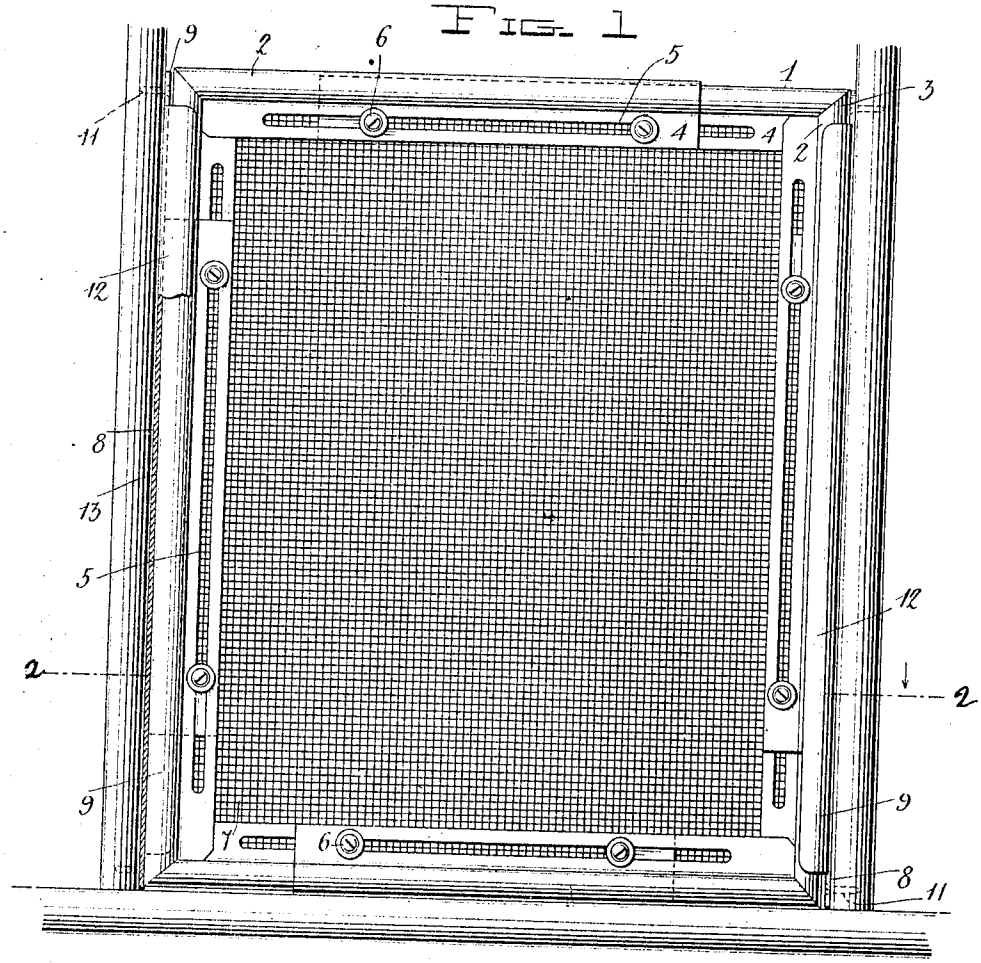


FIG. 2

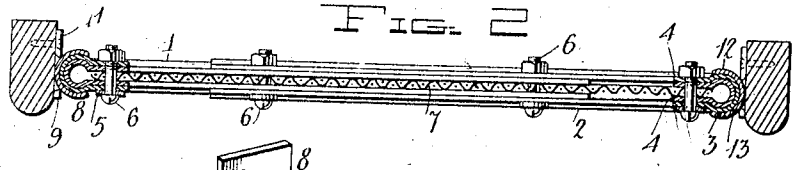
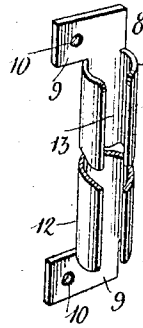


FIG. 3



Witnesses

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UNITED STATES PATENT OFFICE.

OWEN L. CARTER, OF WASHINGTON, DISTRICT OF COLUMBIA.

ADJUSTABLE DOOR OR WINDOW SCREEN FRAME.

No. 892,132. Specification of Letters Patent. Patented June 30, 1908.

Application filed June 4, 1907. Serial No. 377,229.

To all whom it may concern:

Be it known that I, OWEN L. CARTER, a citizen of the United States of America, residing at Washington, in the District of Columbia, have invented new and useful Improvements in Adjustable Door or Window Screen Frames, of which the following is a specification.

This invention is an improved adjustable door or window screen frame adapted to be adjusted to fit in a window or door of any size and comprising members each having angularly related arms, one arm of each member slidably connected to an arm of another member, and further consisting in the construction, combination and arrangement of devices hereinafter described and claimed.

In the accompanying drawings,—Figure 1 is an elevation of a window or door screen having an adjustable frame constructed in accordance with this invention and showing the same in place in a window frame. Fig. 2 is a horizontal sectional view of the same, taken on the plane indicated by the line 2—2 of Fig. 1. Fig. 3 is a detail perspective view of one of the securing devices for attaching the sides of the window or door screen frame to the sides of the window frame.

This improved screen frame comprises a plurality of members each having angularly related arms, one arm of each member slidably connected to an arm of another member. Each of the said members is here shown as made of sheet metal bent and constructed to form the arms 1, 2. The said arms have substantially tubular outer portions 3 and flanges 4 which extend inwardly from such substantially tubular portions. The outer diameter of the substantially tubular portion of the arm 1 of each member corresponds with the inner diameter of the tubular portion of the arm 2 of another member and is slidably connected thereto and telescopically fitted therein for longitudinal movement with respect thereto, so that the flanges 4 of one arm of each member are overlapped by and slidably related to the flanges of an arm of another member. Such flanges are provided with longitudinal slots 5 which extend nearly from end to end thereof, and bolts 6 extend through and operate in such slots to connect the flanges of the arms of the several members together and also pass through the wire gauze or other foraminous screen material 7 constituting the screen, which screen material has its edge portions inserted between the flanges of the arms of such slidably related members and secured between such flanges by the said bolts 6 so that such bolts not only serve to support the slidably related arms of the several screen frame members together, but also serve to secure the screen fabric between the flanges of such arms. It will be understood that before attaching the screen fabric to the members of the screen frame, such members will be set at the required adjustment to enable such screen frame to fit in the window or door frame in which it is to be used.

To attach the sides of the screen frame to the sides of the window frame I provide a pair of guiding and securing members 8, each of which is made from a single piece of sheet metal of suitable length and width, has end portions 9 to bear against the sides of the window frame and provided with openings 10 for the reception of screws, nails or the like devices 11, and the intermediate portion of each of the said metal plates or pieces is turned in substantially tubular form to provide a substantially tubular guide 12 for the reception of one side of the screen frame and provided in its inner side with an opening 13 to clear the flanges of the members of such screen frame. It will be seen with reference to the drawings that such guiding and securing devices enable the screen frame to be placed between the sides of the window frame and raised or lowered, as may be desired.

I do not desire to limit myself to the precise construction and arrangement of devices herein shown, as it will be understood that modifications may be made therein within the scope of the appended claims.

It will be understood that my improved screen frame is not only adapted to be adjusted laterally to enable it to fit in a door or window frame of any width, but that the said screen frame is also adapted to be adjusted vertically, to fit in a door or window frame of any height.

Having thus described the invention, what is claimed as new, is:—

1. A screen frame comprising members each made of sheet metal, bent to form angularly related arms comprising substantially tubular outer portions, and inwardly extending flanges at the inner sides of such substantially tubular outer portion, such flanges having adjusting openings, one arm of each member being slidably and telescopically connected to the arm of another mem-

ber, and securing devices in the adjusting openings of such arms.

2. A screen frame comprising members, each having angularly related arms comprising substantially tubular outer portions and inwardly extending flanges at the inner sides of such substantially tubular outer portions, such flanges having adjusting openings, one arm of each member being slidably and telescopically connected to an arm of another member, and a screen fabric having its edges inserted between the flanges of the arms of such frame members, and securing devices in the adjusting openings of such flanges passing through such fabric and serving to secure such members together and such fabric to such screen frame.

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

OWEN L. CARTER.

Witnesses:
Mrs. H. C. STUART,
J. W. GARNER.