E. F. BODLEY.

HANGER FOR SCREEN FRAMES OR THE LIKE.

APPLICATION FILED JAN. 9, 1914.

1,108,323. Patented Aug. 25, 1914.

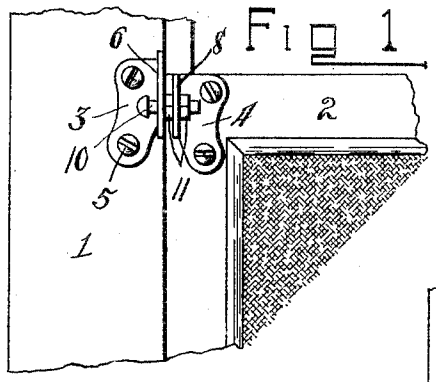


FIG 1

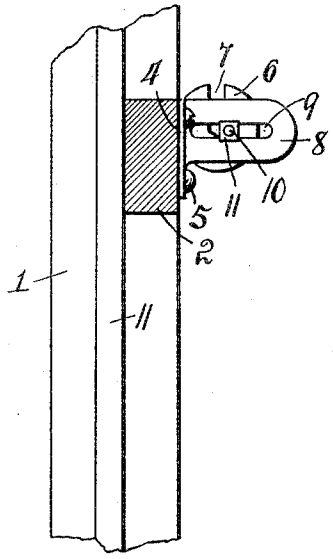


FIG 3

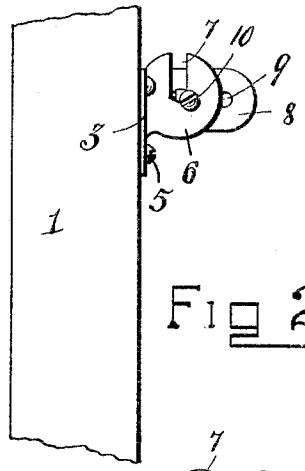


FIG 2

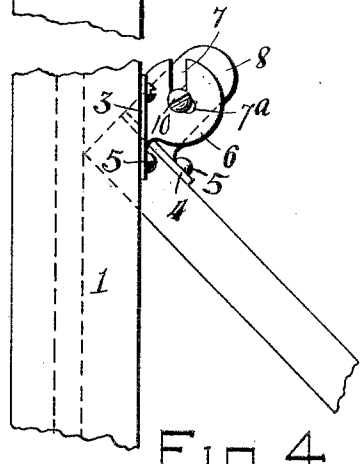


FIG 4

WITNESSES

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UNITED STATES PATENT OFFICE.

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HANGER FOR SCREEN-FRAMES OR THE LIKE.

1,108,323. Specification of Letters Patent. Patented Aug. 25, 1914.

Application filed January 9, 1914. Serial No. 811,162.

To all whom it may concern:

Be it known that I, EDWARD F. BODLEY, a citizen of the United States, and a resident of Toledo, in the county of Lucas and State of Ohio, have invented a certain new and useful Hanger for Screen-Frames or the like; and I do hereby 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, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this specification.

This invention relates particularly to hangers for window screens, windows or the like, and has for its object the provision of an improved hanger of this class, which is capable of having the respective members thereof easily and quickly applied to a screen frame and casing, and provides a hinge support for the screen frame. The hanger also facilitates an easy and quick hanging in or removal of a screen frame from a window casing as desired and the members of the hanger are relatively adjustable to suit casings and frames of different thicknesses, thus enlarging its usefulness and enhancing its practicability and commercial value.

The invention is fully described in the following specification, and while, in its broader aspect, it is capable of embodiment in numerous forms, a preferred embodiment thereof is illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation of portions of a window-casing and screen-frame equipped with my improved hanger. Figs. 2 and 3 are outer and inner side elevations thereof, respectively, with the screen-frame in section in the latter, and Fig. 4 is an outer side elevation thereof with the screen swung outward into position to permit a disengagement of the hinge members.

Referring to the drawings, 1 designates a window-casing, and 2 a screen-frame fitting therein.

In hanging a screen-frame, or the like, in a window-casing a set of hinged members 3, 4 embodying my invention is disposed at each of the upper corners of the screen-frame and may be positioned at the top of the casing or intermediate its top and bottom as the screen may be intended to entirely or only partially cover the casing opening, as is well understood in the art. In the present instance, the members 3 and 4 are, respectively, attached to the casing and screen-frame, and each has a base or foot portion, which is rigidly fastened to its carrying part in any suitable manner, as by screws 5. Extending outward from the inner edge of the member 3, or that which is adjacent to the casing opening, is a flange or tongue part 6, which is vertically slotted, as at 7, from its top edge downward and has its lower end terminating short of the lower edge of the flange and outwardly angled, as at 7^a.

The member 4, which is preferably attached to the section frame, is provided at its outer edge, or the edge thereof which is adjacent to the associated side edge of the section frame, with an outwardly projecting flange or tongue 8, which parallels the flange 6 of the member 3 and is disposed in slightly inwardly spaced relation thereto. The flange or tongue 8 is preferably longer than the flange 6 and is provided with an elongated slot 9, which extends outward from the base portion 4 or in a direction which is substantially at right angles to the slot 7 of the other member of the hinge. A pivot-stud 10, which is preferably in the nature of a bolt, is projected through the slot 9 and fixedly secured in proper adjustment to the flange 8 by nuts 11, which are threaded on the bolt shank at opposite sides of such flange.

In hanging the screen-frame, the pivot-stud 10 at each of the upper corners thereof, is intended to be inserted into the slot 7 of the associated member 3 and to seat in the lower angled end portion 7^a thereof, as shown in Figs. 2 and 3, and the adjustment of the pivot-stud relative to the flange 8 carrying the same should be such that when seated within the portion 7^a of the slot 7 it will coact with the wall thereof to force the inner side of the screen closely against the jamb-strip 11 of the window-casing.

It is thus evident that this form of hanger is capable of being used in connection with screen-frames of different thicknesses, or with window-casings having screen receiving recesses of different depths, as it is only necessary to adjust the pivot-studs 10 in the carrying-members 4—8 to place such studs in proper relation to the receiving slots 7 of the respective members 3—6. The angling of the lower end portion of the

pivot-receiving slot 7 locks the screen-frame against vertical movements within the casing when the screen is fitted therein. To remove the screen it is necessary to swing the screen-frame outward a sufficient distance to permit the stud to move inward into position to be withdrawn from the slot, as indicated in Fig. 4.

I wish it understood that my invention is not limited to any specific construction or arrangement of the parts except in so far as such limitations are specified in the claims.

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

1. A hinge of the class described comprising two members, one having a vertically disposed slot with its upper end opening without the member and its lower end outwardly angled, and the other member having a pivot-stud adjustably carried thereby for removably fitting down into said slot.

2. A hinge of the class described comprising two members, which are slotted in intersecting planes, and a pivot-stud projecting from and adjustable within the slot of one member and adapted to removably fit into the slot of the other member.

In testimony whereof, I have hereunto signed my name to this specification in the presence of two subscribing witnesses.

EDWARD F. BODLEY.

Witnesses:
F. E. AUL,
S. T. KLOTZ.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."