June 27, 1950 C. V. PETTIT 2,513,250

JALOUSIE SLAT PIVOT

Filed May 6, 1946

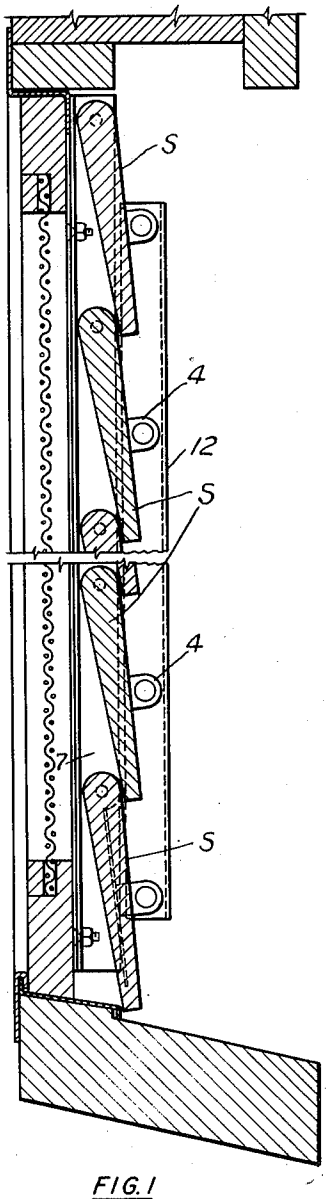


FIG. 1

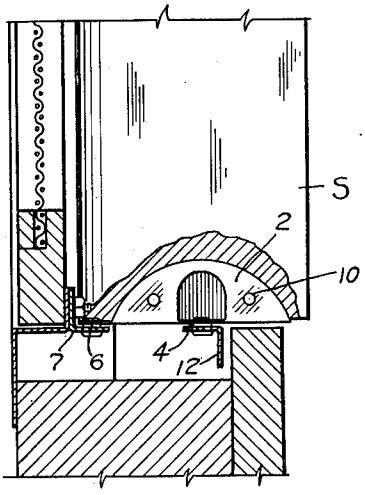


FIG. 2

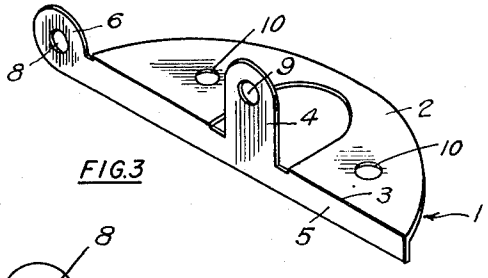


FIG. 3

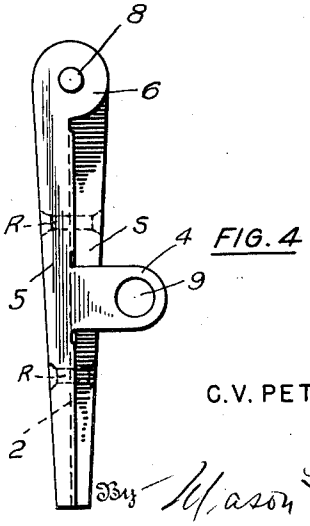


FIG. 4

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JALOUSIE SLAT PIVOT

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5 Claims. (Cl. 20—62)

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This invention relates to jalousies, and more particularly to an improved pivot clip for use in connection with the jalousie slats by means of which the slats may be pivoted in the frame structure and also associated by a common operating rod as is common in this art.

An object of the invention is to provide an improved pivot clip for jalousie slats of a simplified structure lending itself to economical mass production.

A further object of the invention is to provide an improved jalousie slat pivot clip which, when assembled with the jalousie slats, will reinforce the end of the slat and tend to prevent warping or lateral distortion of the slat.

A further object of the invention is to provide an improved jalousie slat pivot clip which cannot be removed from the slat without mutilating the slat afer the jalousie has been assembled, thus adding additional protection preventing the removal of selected slats by mere removal of screws or pins as in other types of construction.

The invention consists in the novel construction, arrangement and combinations of parts hereinafter more particularly described and claimed.

One sheet of drawings accompanies this specification as part thereof, in which like reference characters indicate like parts throughout.

In the drawings:

Figure 1 is a vertical transverse cross-section taken through a window provided with a jalousie and fitted with pivot clips of the present invention;

Figure 2 is a fragmentary horizontal cross-section through one side of the frame and one end portion of a jalousie slat partially broken away to show the application of the improved pivot clip;

Figure 3 is a perspective view of the improved pivot slip before application to a slat; and,

Figure 4 is an end elevation of a slat with an improved pivot clip applied.

In accordance with the present invention, the improved jalousie slat pivot clip is formed from sheet metal of suitable thickness, or other suitable material, and as herein illustrated is stamped into the form of a blank 1 having portions 2 and 5 bent at right angles with respect to each other along a longitudinal line 3.

The part 5 is longer than the part 2 and of tapering width, being provided at its wider end 6 with a bearing hole 8, the center of which is substantially in alignment with the fold line 3.

The shorter part 2 is preferably formed of

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arcuate shape as illustrated and is provided with a medial cut-out portion 4 which is folded up to lie in the same plane with the longer portion 5 constituting a lug or bracket extending to one side of said longer portion 5, and lug 4 is also formed with a bearing hole 9.

The dimensions of the longer portion 5 are determined by the width of the particular jalousie slats and in general this longer portion 5, with its end extension 6, is of a length slightly less but substantially the width of the slat S to which the device is to be applied, while the width of the longer portion 5 is substantially one-half of the thickness of that jalousie slat and the taper corresponds to the taper commonly given to such jalousie slats.

In assembly, the ends of the jalousie slats S are provided by a circular saw or similar tool with an arcuate slot, extending widthwise and intermediate its broad faces into which arcuate slot the shorter arcuate part 2 of the pivot clip is inserted, in which position the longer part 5 with its end extension 6 will cover a substantial portion of the end of the slat, the shape of the said longer portion 5 and its end extension 6 conforming with the cross-sectional shape of the slats. The clip is secured to the slat by rivets R passing through the end of the slat and holes 10 formed in the arcuate part 2 of the clip.

When the slats provided with such pivot clips on each end are assembled between vertical frame members and the slats pivoted to said frame members 7 by rivets extending through the pivot holes 8, it will be apparent that the pivot clips will be effectively locked in position with respect to the slats.

Having thus fully described my invention, I claim:

1. A pivot clip for jalousie slat comprising a blank of suitable sheet material folded on a longitudinal line to form perpendicularly disposed parts, one part of less length than the other, with a medial lug cut from the shorter part and disposed in the plane of the longer part, with pivot holes formed near the end of the longer part and in said lug.

2. A clip as specified in claim 1 in which the longer part extends beyond the shorter part at one end and said extended part is sufficiently wider than the remainder to position the pivot hole formed therein substantially in line with the longitudinal fold line between the parts.

3. A clip for jalousie slats comprising a blank of sheet metal or the like folded on a longitu-

dinal line to form perpendicularly disposed parts, one part longer than the other to extend beyond it at one end, said extended portion being of substantially twice the width of the remainder and formed with a pivot hole substantially in alignment with the line of fold, the shorter part having an arcuate edge, with a lug cut from the shorter part and disposed in the same plane as the longer part and provided with a pivot hole.

4. In combination, a jalousie slat having in its end a mortise extending widthwise, of the slat intermediate the broad faces of the slat, a pivot clip formed of sheet material folded on a longitudinal line to form perpendicularly disposed parts, one part of less length than the other, with a medial lug cut from the shorter part and disposed in the plane of the longer part, with pivot holes formed near the end of the longer part and in said lug, the longer part conforming in length with the width of the slat and of a width to extend from the mortise to one broad face of the slat with the shorter part seated in the mortise.

5. A pivot clip for jalousie slats comprising an

elongated strip of tapering width, said strip having a bearing hole formed in its wider end and a portion bent at right angles to the plane of the strip on a longitudinal line extending from the center of said bearing hole, said bent-over portion having a cut-out medial portion defining a lug disposed in the plane of the strip extending to one side thereof and formed with a bearing hole.

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