1,066,838

PATENT SPECIFICATION

DRAWINGS ATTACHED

1,066,838

Inventor: JOSEPH YAO CHIANG

Date of filing Complete Specification: Oct. 1, 1965.

Application Date: Oct. 22, 1964. No. 43153/64.

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Index at acceptance:—E1 J1X; F4 V(A1E, A2C1)

Int. Cl.:—E 04 f 7/08 // F 24 f

COMPLETE SPECIFICATION

Louvre Window Frames

We, METAL INDUSTRIES LIMITED, of No. 6 — F, Asia Insurance Building, Singapore, a company organized under the laws of the State of Singapore, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to louvre window frames and has for its object the provision of a louvre window frame with bars which form a grille.

The invention consists in a louvre window frame comprising a pair of spaced-apart jambs to which a plurality of louvres are pivotally mounted so as to extend therebetween, a plurality of bars being provided which extend between the jambs so as to form a grille, the bars being mounted by their ends in brackets which are secured to the jambs, the bar ends being received in apertures in the brackets.

In order to make the invention clearly understood, reference will now be made to the accompanying drawings which are given by way of example and in which:—

Fig. 1 is a perspective view of a louvre window frame fitted with a series of louvres and grille bars;

Fig. 2 is a transverse section with the louvres in the closed position; but showing a slightly different form of glass holder from that shown in Fig. 1;

Fig. 3 is a similar section with the louvres in the open position; and

Fig. 4 is a plan view to a smaller scale than Fig. 1.

As shown in the drawings, the fitting for each of a plurality of grille bars 16 comprises a pair of substantially U-shaped brackets 10 mounted beneath the pivot blocks 11 of each louvre 12 and rearwardly of the beadings 13 on the facing surfaces 14 of each of the jambs of the window, one limb of each bracket 10 being riveted by rivets 10*a* or being otherwise secured to the respective jamb surface 14 and the free limb being formed with an aperture 15 (shown as square) of a size and shape to receive the grille bar 16 with its ends lying within the U-shaped brackets 10.

In the form shown a portion of the free limb of each of the brackets 10 is bent inwards at right angles thereto as indicated at 17 to provide abutments for the glass holders or frames 18 of the louvres.

As will be seen by reference to Fig. 1, in the beadings 13 midway between successive pivot blocks 11 where adjacent frames 18 abut when the louvres are closed, kinks 13*a* are provided. These kinks enable an efficient sealing action to be maintained at the transition from one louvre to the next.

WHAT WE CLAIM IS:—

1. A louvre window frame comprising a pair of spaced-apart jambs to which a plurality of louvres are pivotally mounted so as to extend therebetween, a plurality of bars being provided which extend between the jambs so as to form a grille, the bars being mounted by their ends in brackets which are secured to the jambs, the bar ends being received in apertures in the brackets.

2. A louvre window frame as claimed in claim 1, wherein the brackets are substantially U-shaped, one limb of the U being secured to the respective jamb, the other limb of the U having the aperture in which the respective bar end engages.

3. A louvre window frame as claimed in claim 2, wherein a portion of the said other limb of each bracket is bent at right angles so as to extend towards the said one limb, the arrangement being such that the said portions of the brackets serve as abutments for glass holding members of the louvres.

4. Louvre window frames constructed and arranged substantially as hereinbefore described with reference to and as illustrated in the accompanying drawings.

[*Price 4s. 6d.*]

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[*Price 4s. 6d.*]

* C L M S *

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