

A. McGUIRE.

Improvement in Window-Frames.

No. 128,200.

Patented June 18, 1872.

Fig: 1.

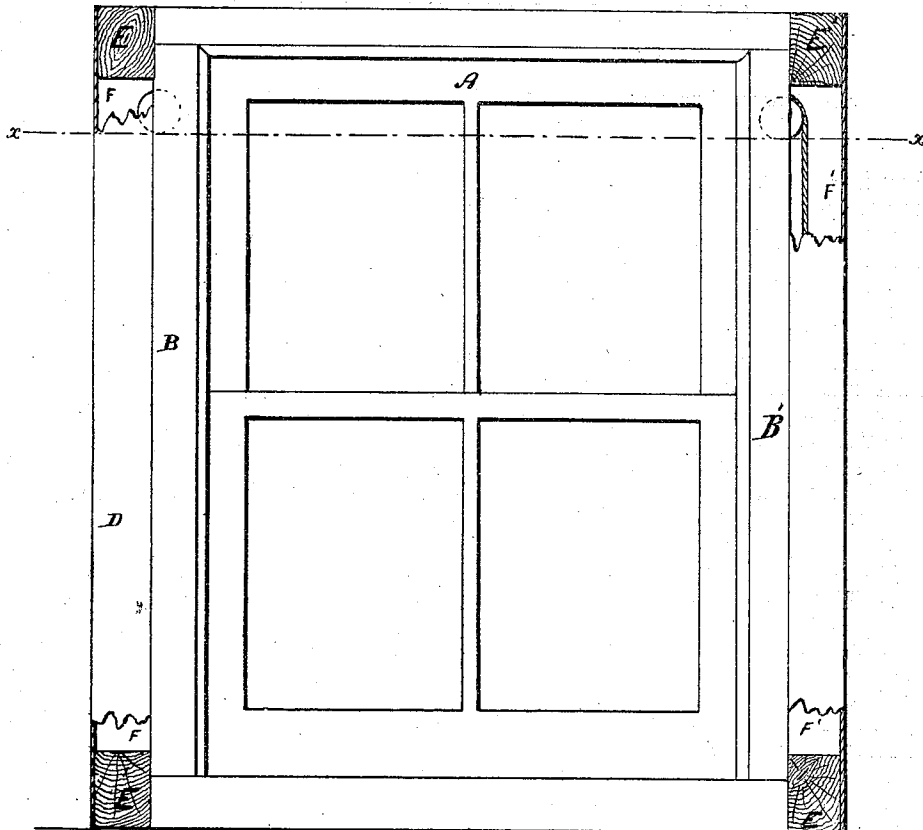


Fig: 2.

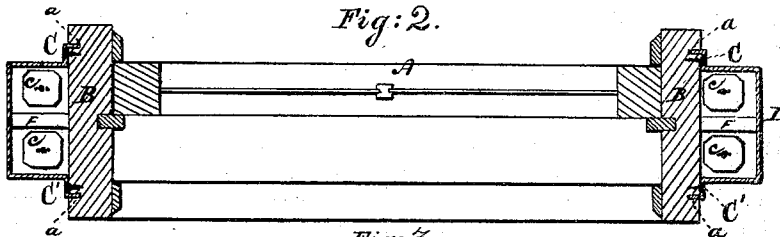
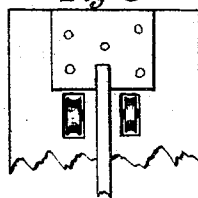


Fig: 3.



Witnesses.
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UNITED STATES PATENT OFFICE.

ANDREW McGUIRE, OF COATESVILLE, PENNSYLVANIA.

IMPROVEMENT IN WINDOW-FRAMES.

Specification forming part of Letters Patent No. 128,200, dated June 18, 1872.

To all whom it may concern:

Be it known that I, ANDREW McGUIRE, of Coatesville, in the county of Chester and State of Pennsylvania, have invented certain new and useful Improvements in Frames for Windows of Buildings, of which the following is a specification:

My invention relates to certain improvements in the construction of the outer case or frame of a window; and consists in securing by nails or otherwise to the outer sides of the frame an upper and lower block having a central vertical board let into a groove or channel made therein, and incasing said blocks and partition-board by means of a metallic housing furnished with a flange throughout its length, the ends of each flange being bent over slightly, so as to enter corresponding rabbets in the outer face of the sides of the frame to which the case is secured, the same constituting two unobstructed channels for the weights operating the sashes to move in, while it also serves to exclude the mortar from the channels, and, by reason of its outside shape and construction, the bricklayer is enabled to place a course of bricks on both the front and back of the metallic case, thus securing a saving in cost of constructing the wall, as well as lessening the first cost of the frame.

Figure 1 of the drawing is a front elevation of a window-frame, showing a portion of my metallic case broken away to illustrate the position of the upper and lower blocks, which serve to support the partition board and close the two ends of said metallic case. Fig. 2 is a transverse horizontal section of the same taken in the line indicated by *xx* of Fig. 1. Fig. 3 is an elevation of a portion of one of the sides of the window-frame, having the metallic case removed to illustrate the position of the upper block, and the manner of letting in the ends of the central partition board.

A represents the outer frame or window-case, having the ordinary inside appliances for the sash to traverse in. The side boards B B' required for my device are constructed like

those in ordinary use, except that they are channeled so as to receive the bent-over edges of the two flanges C of the metallic case D, as shown by *a*, Fig. 2, and have secured to them at their upper and lower ends the two projecting blocks E E', supporting central partition boards F F' which serve to divide the interior of case D, and thereby provide an unobstructed way for the weights *c* to move in, which channels are so closed by the upper and lower blocks E E' as to insure against all liability to their being in any way obstructed by accidental causes during the walling around and above the frame, or at any time during the process of building from mortar protruding, or particles of brick or timber becoming lodged therein.

Through preference I use sheet metal for the outer metallic casing for housing the weights, but contemplate having them cast either whole or in sections and secured to the side boards by nails, bolts, or other well-known means; even, in some instances, the bricks or stone used for walling may serve to keep the two cases in position, though I prefer to have them affixed to the sides of the frame.

Having described my invention, I claim—

1. The outer metallic case or housing D, having flanges C C', whose ends are turned over at or near a right angle to the sides of case D, and are fitted in vertical grooves therein to form a part of the two side boards of a window-frame, substantially as and for the purpose herein described.

2. I claim the upper and lower blocks E E', secured to the side boards B B', into which blocks are fitted the partition boards F F', in combination with the metallic housing D, all constructed and arranged substantially in the manner and for the purpose herein set forth.

In testimony whereof I have hereunto signed my name.

ANDREW McGUIRE.

Witnesses:

CHAS. E. UPPERMAN,
K. UPPERMAN.