Aug. 7, 1923. 1,464,258

I. W. COCHRAN

MOLDING AND METAL FASTENER

Filed April 17, 1922

Fig. 1.

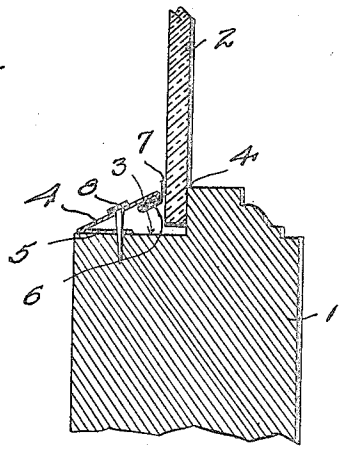
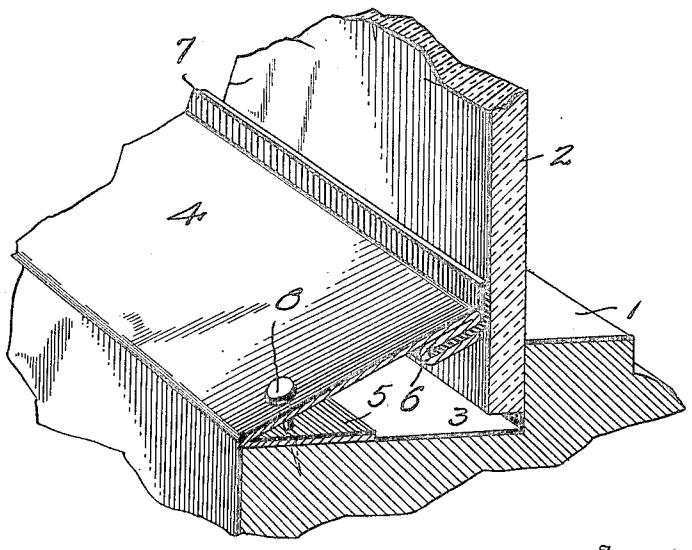


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

ISAAC W. COCHRAN, OF FREMONT, OHIO.

MOLDING AND METAL FASTENER.

Application filed April 17, 1922. Serial No. 553,360.

To all whom it may concern:

Be it known that I, ISAAC W. COCHRAN, a citizen of the United States, residing at Fremont, in the county of Sandusky and State of Ohio, have invented certain new and useful Improvements in Moldings and Metal Fasteners, of which the following is a specification.

The present invention relates to molding and metal fasteners for sashes and window-panes. The putty which is now being used for fastening window-panes in the rabbets of sashes dries and then crumbles and falls out, thereby loosening the pane which will eventually fall out, thereby necessitating the re-glazing of the sashes. It is the object of the present invention to provide a fastening means which will overcome these disadvantages by providing an improved molding and metal fastening strip avoiding the use of putty and at the same time retaining all of its advantages. Another object of the invention is to provide a water-proof fastener of this nature which is securely held in place and the bottom is prevented from buckling or otherwise becoming distorted.

A still further object of the invention is to generally improve upon molding and metal fasteners of this nature by providing a device which will be extremely simple and efficient in construction, reliable in operation, inexpensive to manufacture, and well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description progresses, the invention resides in certain novel features of construction, and the combination and arrangement of parts as will be hereinafter more fully described and claimed.

While the design and construction at present illustrated, as set forth is deemed preferable, it is obvious that as a result of a reduction of the invention to a more practical form for commercial purposes, the invention may be susceptible of changes, and the right to these changes is claimed provided they are comprehended within the scope of the invention of what is claimed.

In the drawing:—

Figure 1 is a section through a portion of a window sash showing the improved molding and fastening strip as applied holding the pane of glass in position, and

Figure 2 is a perspective thereof.

Referring to the drawing in detail it will be noted that 1 designates a window sash as a whole, and 2 denotes the pane of glass mounted therein. The pane of glass 2 is mounted so that its edge is situated in the recess 3 and abutting the shoulder 4. Secured to the face of the recess 3 is a metal strip comprising the body 4 which has extended from one edge a flange 5 which extends at an acute angle from the bottom face thereof. This flange 5 rests upon the bottom of the recess 3 and the body 4 inclines upwardly from the edge thereof toward the pane of glass 2. The other edge of the body 4 is provided with a flange 6 substantially U-shaped in cross section so as to form a pocket that receives a flexible strip 7 formed from rubber or some such other similar material. This flexible strip 7 extends beyond the body 4 resting against the window pane and prevents moisture and air from penetrating between the strip and the window pane. This strip is held in place by nails or screws or other similar penetrating devices 8 which pierce the body 4 adjacent the outer edge thereof and also the flange 5, thereby causing a wedging effect whereby the strip 7 may be fastened tightly and firmly in engagement with the window-pane 2 holding it firmly in place. It will also be noted that by having the flange seated on the recess 3 and held in position by the fastening devices 8 any warping or distortion of the strip will be compensated for and the flange 5 retained flush with the surface of the recess.

Having thus described my invention what I claim as new is:—

1. In a window pane fastener, a body portion, a flange extending at an acute angle to a face of said portion from one edge thereof, a second flange extending from the other edge of the body portion so as to underlie the face thereof which is at an acute angle to the first mentioned flange and extending toward the first mentioned flange, said last mentioned flange being substantially U-shaped in cross section for receiving a flexible strip, both of said flanges being turned over so as to be disposed on the same side of the body portion.

2. In combination, a window sash including a rail having a recess and a window pane resting in said recess, a fastening strip disposed in the recess including an inclined body portion, a flange formed on the bottom

edge thereof and resting upon the bottom of the recess being disposed at an acute angle to the under surface of the body portion, a flexible strip supported on the other edge of the fastening strip and engaging the window pane, and means piercing the body and the flange of the fastening strip and driven into the bottom of the recess whereby the flexible strip may be held in firm engagement with the window pane.

3. In combination, a sash including a window pane, a fastening device mounted on a rail of the sash and including an inclined body portion having a flange extending at an acute angle thereto on its lower edge and seated upon the rail, and a U-shaped flange extending from its other end and underlying its under surface, a flexible strip fitted into said U-shaped flange and bearing against said window pane, and means piercing the body and first mentioned flange of the fastening strip and driven into the rail whereby the flexible strip may be held firmly against the window pane.

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

ISAAC W. COCHRAN.

Witnesses:

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