No. 854,889. PATENTED MAY 28, 1907.

P. L. HEDBERG.

WEATHERPROOF WINDOW SILL.

APPLICATION FILED SEPT. 10, 1906.

Fig. 1.

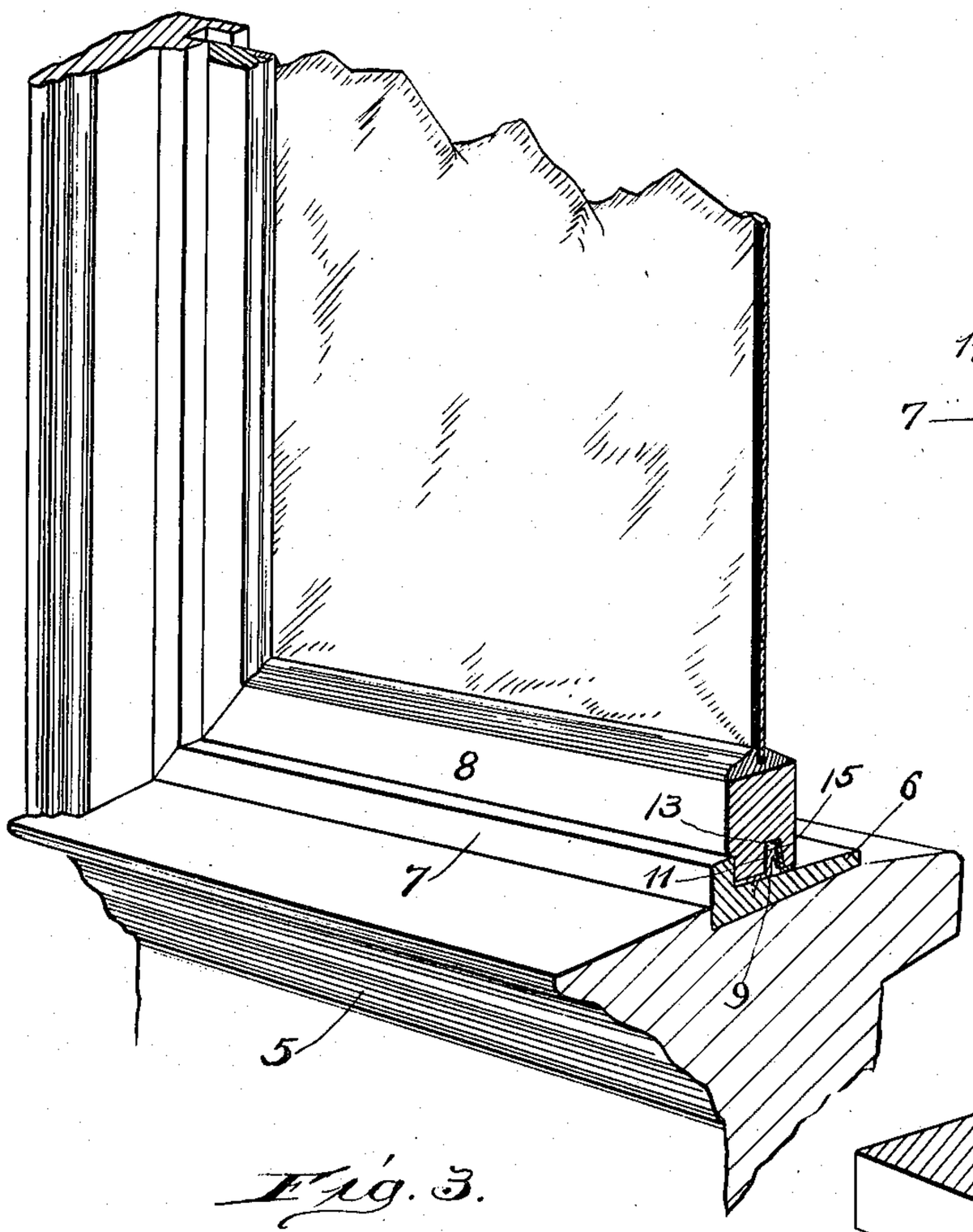


Fig. 2.

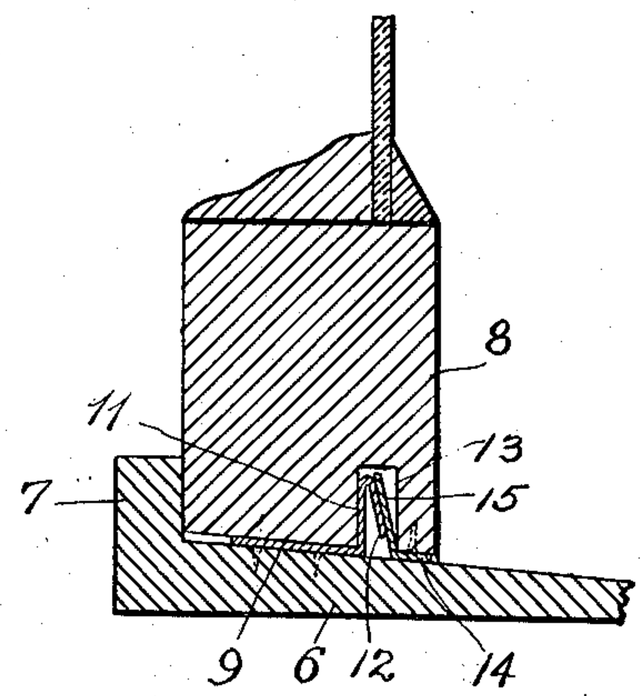


Fig. 3.

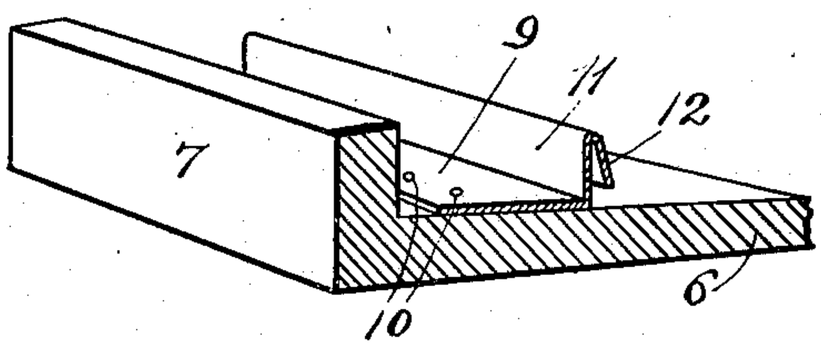
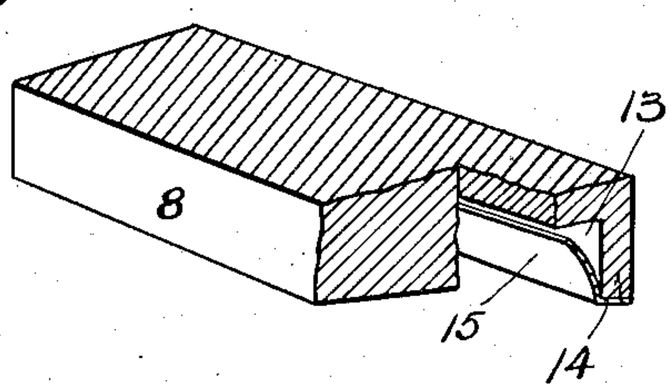


Fig. 4.



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UNITED STATES PATENT OFFICE.

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WEATHERPROOF WINDOW-SILL.

No. 854,889. Specification of Letters Patent. Patented May 28, 1907.

Application filed September 10, 1906. Serial No. 333,929.

To all whom it may concern:

Be it known that I, PETER L. HEDBERG, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in a Weatherproof Window-Sill, of which the following is a specification.

This invention relates to window frames and sashes generally, but is more especially intended for use in connection with that class of windows used in houses, and has particular relation to the construction of the sill and lower rail of the lower sash, whereby air, dust, rain and snow is excluded from the room, and the rattling of the sash and the sticking or binding of the same is prevented; and it consists in certain peculiarities of the construction, novel arrangement, and operation of the various parts thereof, as will be hereinafter more fully set forth and specifically claimed.

In order to enable others skilled in the art to which my invention pertains, to make and use the same, I will now proceed to describe it, referring to the accompanying drawing, in which—

Figure 1 is a fragmental perspective view of a window-frame and the lower sash thereof, showing a window sill embodying my invention. Fig. 2 is a cross-sectional view through a portion of the lower sash and sill, constructed according to the invention. Fig. 3 is a perspective view of a portion of the sill;—and—Fig. 4 is a sectional perspective view of a portion of the lower sash rail.

Like numerals of reference, refer to corresponding parts throughout the different views of the drawing.

The reference numeral 5 designates a portion of a window-frame of the ordinary or any preferred construction, the sill 6 of which is provided at a point near the inner surface of the lower rail of the lower sash with a horizontally extended window stool 7, against which the inner surface of the sash rail 8 may rest. Located longitudinally on the upper surface of the sill 6 and outwardly from the stool 7 thereof is a sealing strip of metal, preferably zinc, which has a flat base portion 9 which is secured to the sill 6 by rivets or spikes 10, or otherwise. At the outer edge of the base portion 9 of the sealing strip is provided or produced an upwardly and longitudinally extending rib 11, which has an outwardly and downturned flange 12 which extends the entire length of the portion 11, and as clearly shown in Figs. 1 and 2 of the drawing, is slightly inclined outwardly so as to be separated from the portion 9, and said flange is narrower than the portion 9 and has its lower edge free, as shown. The lower surface of the lower rail 8 of the lower sash is formed with a longitudinally extending channel 13, which is preferably rectangular in shape and of sufficient width and depth to freely receive the sealing rib 11 and its downturned flange. Longitudinally secured on the lower surface of the rail 8 and between the channel 13 therein, and the outer surface of the rail, is a flat or base portion 14, of a metallic strip, which has at its inner edge a longitudinal flange 15 which, as is clearly shown in Figs. 2 and 4 of the drawing, extends obliquely upward into the channel 13 so that when the lower sash rail 8 is lowered to the positions shown in Figs. 1 and 2 the flange 12 on the sealing rib 11 will impinge against flange 15 of the plate or strip 14, thus forming a close joint to prevent the passage of air, dust, rain and snow between the rail 8 and the sill 6 into the room, for it will be understood that as the flange 12 is slightly separated at its lower portion from the rib 11, it, as well as the flange 15, may have a certain degree of resiliency, which is exerted toward each other, thus forcing the two flanges closely and firmly together, yet they will yield sufficiently to prevent the rail 8 sticking or becoming bound when swollen by the action of the weather between the stool 7 and the rib 11 of the sealing strip. The plate 14 will also prevent that portion of the rail 8 to which it is secured becoming decayed by absorption of water, as is apparent.

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

In a weather proof window sill, the combination with the sill, of a stool horizontally located on the upper surface thereof, a metallic sealing strip having a base portion secured to the sill outwardly from the stool and provided at its outer edge with a longitudinally and upwardly extending rib provided at its upper edge with an obliquely downwardly and outwardly extending flange, the said flange being spaced from the rib at its lower portion and extended to near the lower portion of the rib, a vertically movably lower sash rail having in its lower surface a longitudinally extending channel

open at its bottom, and a metallic strip or plate secured to the lower surface of said rail outwardly from the channel therein and having a longitudinal flange on its inner portion obliquely and upwardly extended from the lower portion of the outer wall of said channel to overlap and co-act with the flange of the sealing rib whereby a yielding and close joint is produced, substantially as described.

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