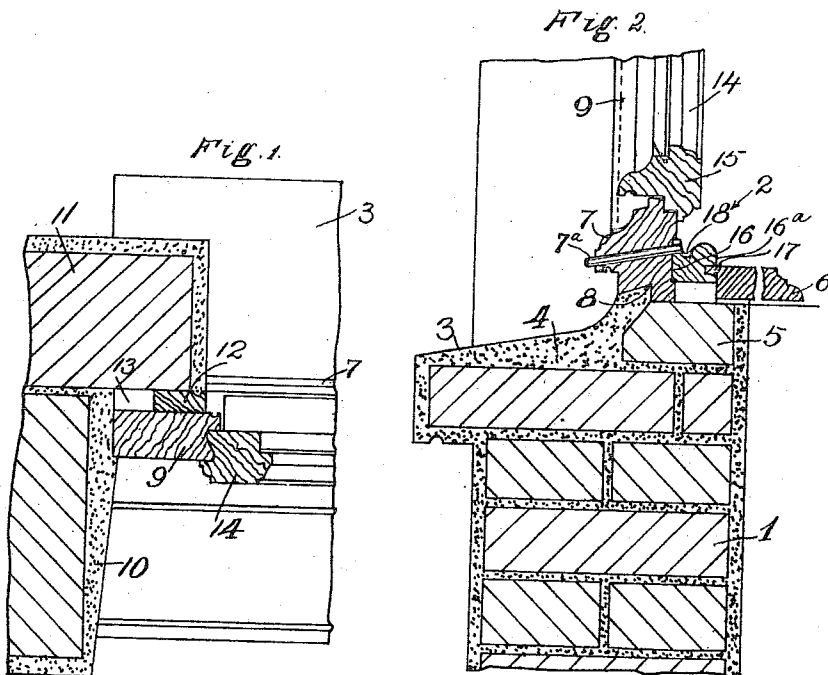


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WINDOW FRAME.

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979,576.

Patented Dec. 27, 1910.



Witnesses:
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FELIX SCHNEIDER, OF GEVELSBERG, GERMANY.

WINDOW-FRAME.

979,576.

Specification of Letters Patent. Patented Dec. 27, 1910.

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To all whom it may concern:

Be it known that I, FELIX SCHNEIDER, a subject of the Emperor of Germany, residing at Gevelsberg, Westphalia, Germany, have invented certain new and useful Improvements in Window-Frames, of which the following is a specification.

My invention relates to window-frame constructions.

The object of this invention is to provide a window-frame, the parts of which fit snugly and prevent rain from entering the room.

In the accompanying drawings, forming a part of this specification and in which like numerals are employed to designate like parts throughout the same, Figure 1 is a horizontal sectional view through one corner of the window-frame; Fig. 2 is a fragmentary central vertical section through the window-frame.

In the drawings, wherein is illustrated a preferred embodiment of my invention, the numeral 1 designates a wall of a room through which the window-opening 2 is cut. This wall 1 is provided upon its outer side with the usual window-sill 3, having an inclined upper surface to conduct rain from the window-opening. This inclined surface, as shown, is formed of suitable plastic material 4. The window-sill 3, comprises a portion 5, which is disposed within the room. This portion 5 has a horizontal upper surface, and supports a wooden sill 6, herein after referred to.

The window-frame comprises a lower horizontal beam 7, which is positioned upon the portion 5, as shown, and provided with a recess 8 to receive a portion of the plastic material 4. The beam 7 has suitably connected with its ends, vertical beams 9, each of which are disposed within the window-opening and engage a wall 10. The wall 1, is provided upon its outer side, adjacent each of the walls 10, with a wall-section 11, which extends inwardly slightly across said window-opening, as shown. The vertical beam 9, is spaced from the wall-section 11, and between said beam and wall-section is disposed a vertical strip 12, forming an air space 13. It will thus be seen that the strip 12 prevents rain from passing the beam 9,

to enter the room. A window-sash is movably mounted within the window-frame, which comprises vertical and horizontal sections 14 and 15. The vertical sections 14 and beams 9 are grooved, as shown in Fig. 1, to permit said section 14 to be reciprocated and to prevent its lateral displacement with relation to said beams 9. The horizontal section 15 and beam 7 are cut to interlock and thus prevent rain from passing therebetween. To insure the absolute prevention of the rain from passing beneath the beam 7, said beam is provided upon its inner side with a horizontal groove 16, within which is snugly fitted an auxiliary beam 16^a, having the shape in cross-section as shown. This auxiliary beam is connected with beam 7, by means of bolts 7^a. The beam 16^a is grooved as shown to receive a tongue 17, formed upon the sill 6. The rain is thus positively prevented from entering the room below the sill 7. Owing to the shape of the beam 15, in cross-section, rain will be conducted off of the same and away from the window-opening. However, should rain enter the window-opening, due to the raised position of the window-sash, such rain should be collected within a groove 18, formed upon the upper side of the auxiliary beam 16.

I claim:—

In a window frame structure, a lower window frame beam provided upon its lower side with a groove, a plastic sill upon which said beam is disposed, a portion of the material of said plastic sill fitting within said groove, the inner vertical side of said beam being provided with a groove, an auxiliary beam to fit snugly within the second named groove, means to secure the auxiliary beam to the window frame beam, said auxiliary beam having a groove formed upon its inner vertical side, a second sill having a tongue to fit within the last named groove, and the second sill being spaced from the window frame beam to form an air space therebetween.

FELIX SCHNEIDER. [L. s.]

Witnesses:

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