

No. 628,865.

Patented July 11, 1899.

E. M. SQUIRE.  
WINDOW SASH.

(Application filed May 6, 1899.)

(No Model.)

Fig. 1

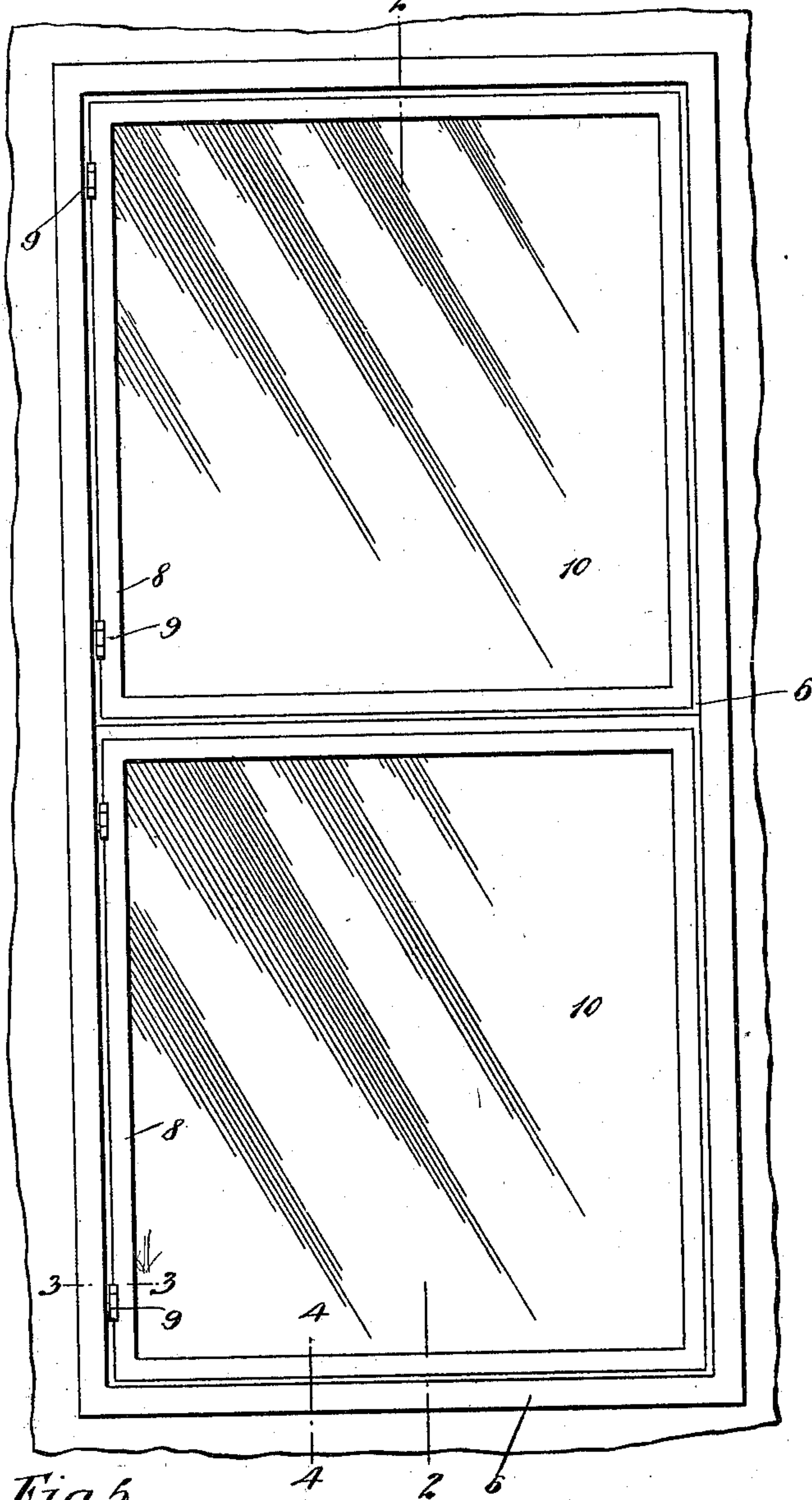


Fig. 2,

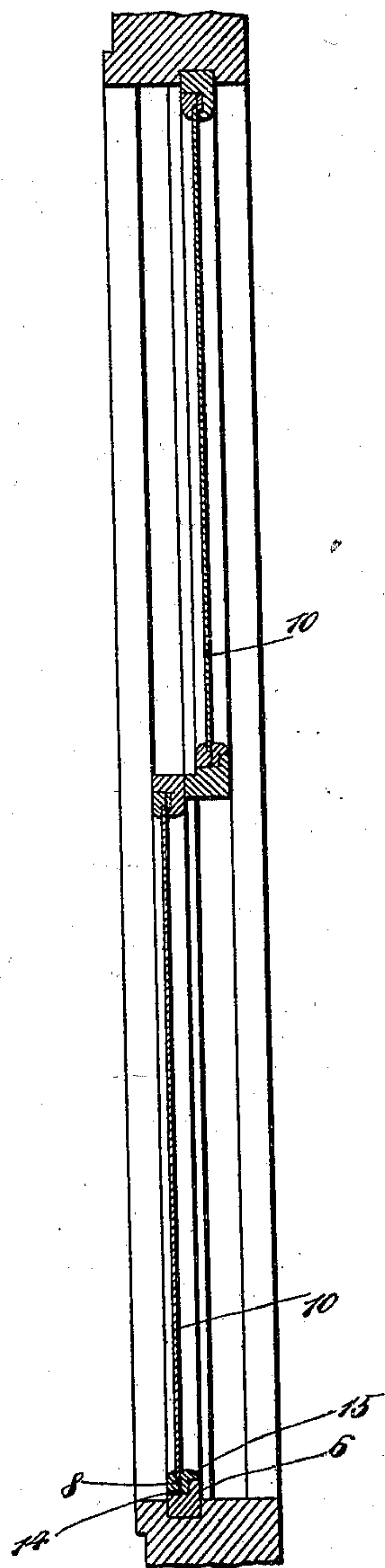


Fig. 5.

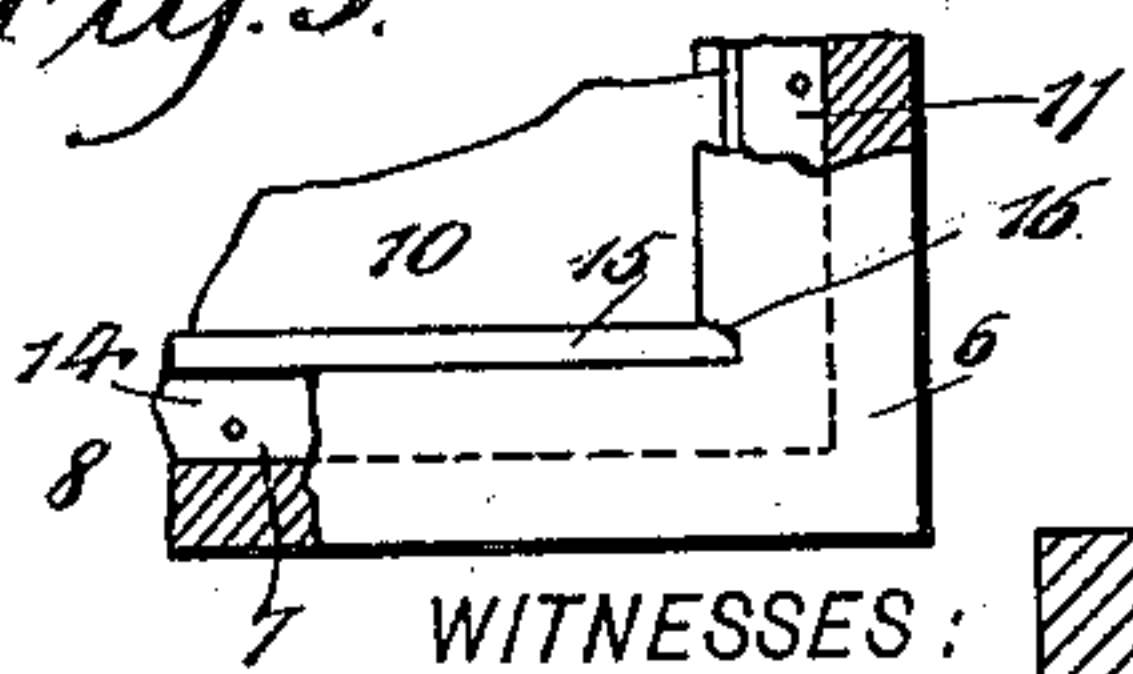


Fig. 3,

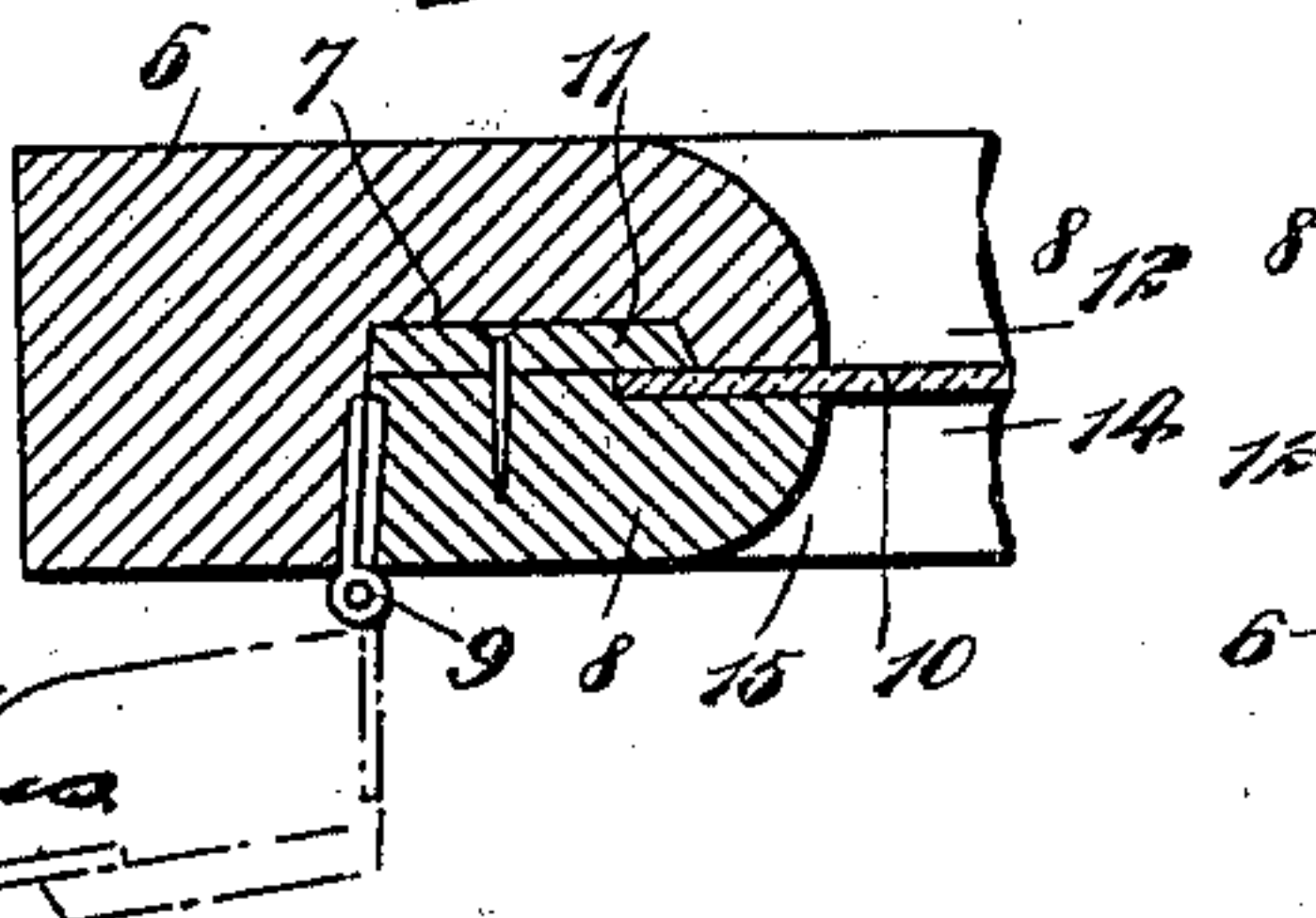
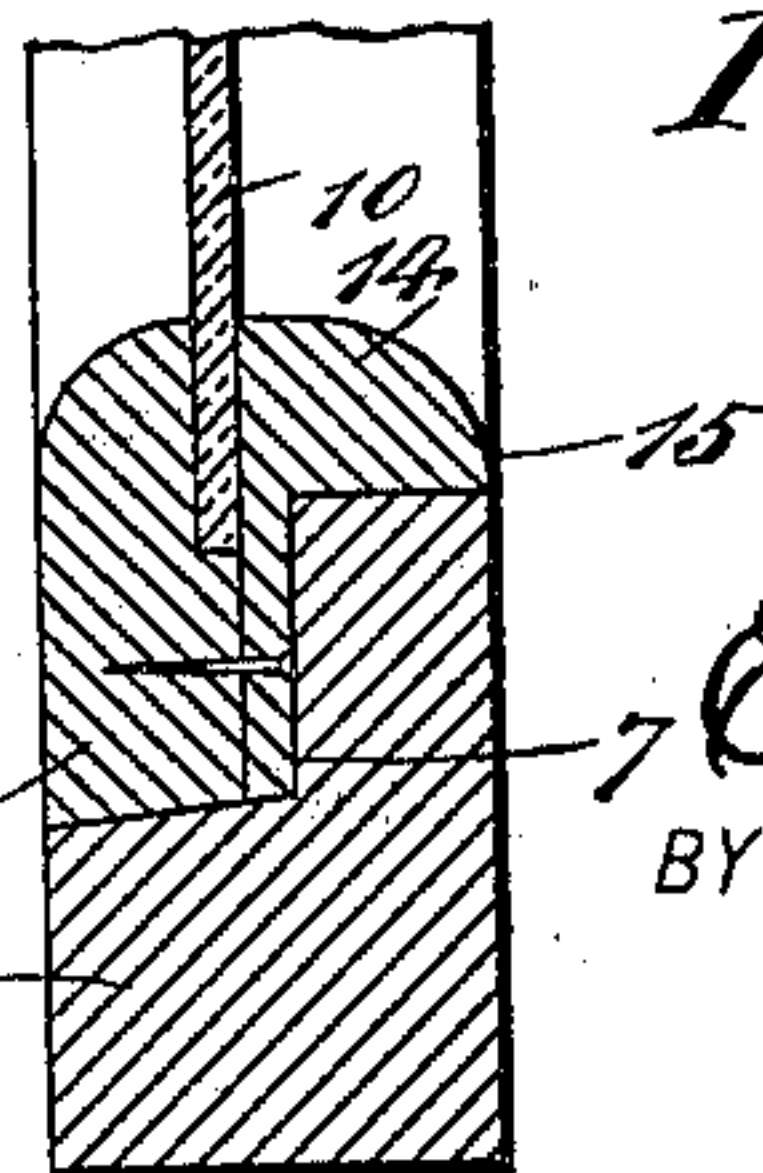


Fig. 4,



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## WINDOW-SASH.

SPECIFICATION forming part of Letters Patent No. 628,865, dated July 11, 1899.

Application filed May 6, 1899. Serial No. 715,794. (No model.)

*To all whom it may concern:*

Be it known that I, ETTIE M. SQUIRE, of Peckville, in the county of Lackawanna and State of Pennsylvania, have invented new and useful Improvements in Window-Sashes, of which the following is a full, clear, and exact description.

The purpose of this invention is to provide a superior arrangement by means of which the glass of a window-sash may be swung outward to open position without disturbing the position of the sash.

This specification is the disclosure of one form of my invention, while the claims define the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a front view of a window-sash constructed after the manner of my invention. Fig. 2 is a section on the line 2 2 of Fig. 1. Fig. 3 is a section on the line 3 3 of Fig. 1. Fig. 4 is a section on the line 4 4 of Fig. 1, and Fig. 5 is a fragmentary elevation showing a feature of construction which will be fully described hereinafter.

The main portions 6 of the sash may be mounted, as usual, to slide in the frame, and the several rails of each main portion are formed with rabbet-grooves 7 in their outer sides, which are adapted to receive the rails of the swinging sections 8 of the sash. These swinging sections are mounted to swing horizontally on hinges 9, (shown in Fig. 1,) so that the swinging sections may move outward to open the windows without sliding the main portions 6 of the sash. The swinging sections 8 carry the panes of glass 10.

As shown in Figs. 3 and 5, the vertical rails of the swinging sections 8 are provided with cleats 11, which overhang rabbet-grooves in the said vertical rails, so as to secure the glass 10. The top rails are constructed the same as the vertical rails. The bottom rails are each formed in two sections 12 and 14, fastened together and having the glass clamped between them. The outer section 14 has a rabbet-groove formed therein, which provides overhanging ledges 15, adapted to lie over

the inner edges of the bottom rail of the main portions 6 of the sash. To enable the parts to fit snugly together and form a weather-tight structure, the extremities of the vertical rails of the main portion of the sash are formed with notches 16, receiving the ends of the flanges 15 when the movable section of the sash is swung inward upon the main or stationary section, which construction is best shown in Fig. 5. By this arrangement I provide a sash with swinging sections which may open without the movement of the main parts of the sash and which when closed form an absolutely snug and air-tight connection.

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

1. A window-sash, having a main portion and a swinging portion, the latter carrying the glass and being hinged to the main portion to swing horizontally, the vertical rails and top rail of the swinging portion having rabbets formed therein to receive the glass, cleats fastened to the vertical rails and top rail of the swinging portion and overhanging the rabbets to hold the glass, and the bottom rails of the swinging portion of the sash being each formed in two sections fastened together and having the glass clamped between them, the front sections having rabbet-grooves forming flanges or ledges overhanging and fitting snugly to the bottom rail of the main portion of the sash.

2. A window-sash, having a main portion and a swinging portion hinged to the main portion, the main portion being rabbeted to receive the swinging portion, and the bottom rail of the swinging portion being formed of two parts fastened together and having the glass clamped between them to hold the glass, one section of said rail being rabbeted to form a ledge overhanging the adjacent parts of the main portion of the sash, and the vertical rails of the main portion of the sash being notched to receive the ends of said ledges.

ETTIE M. SQUIRE.

Witnesses:

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