

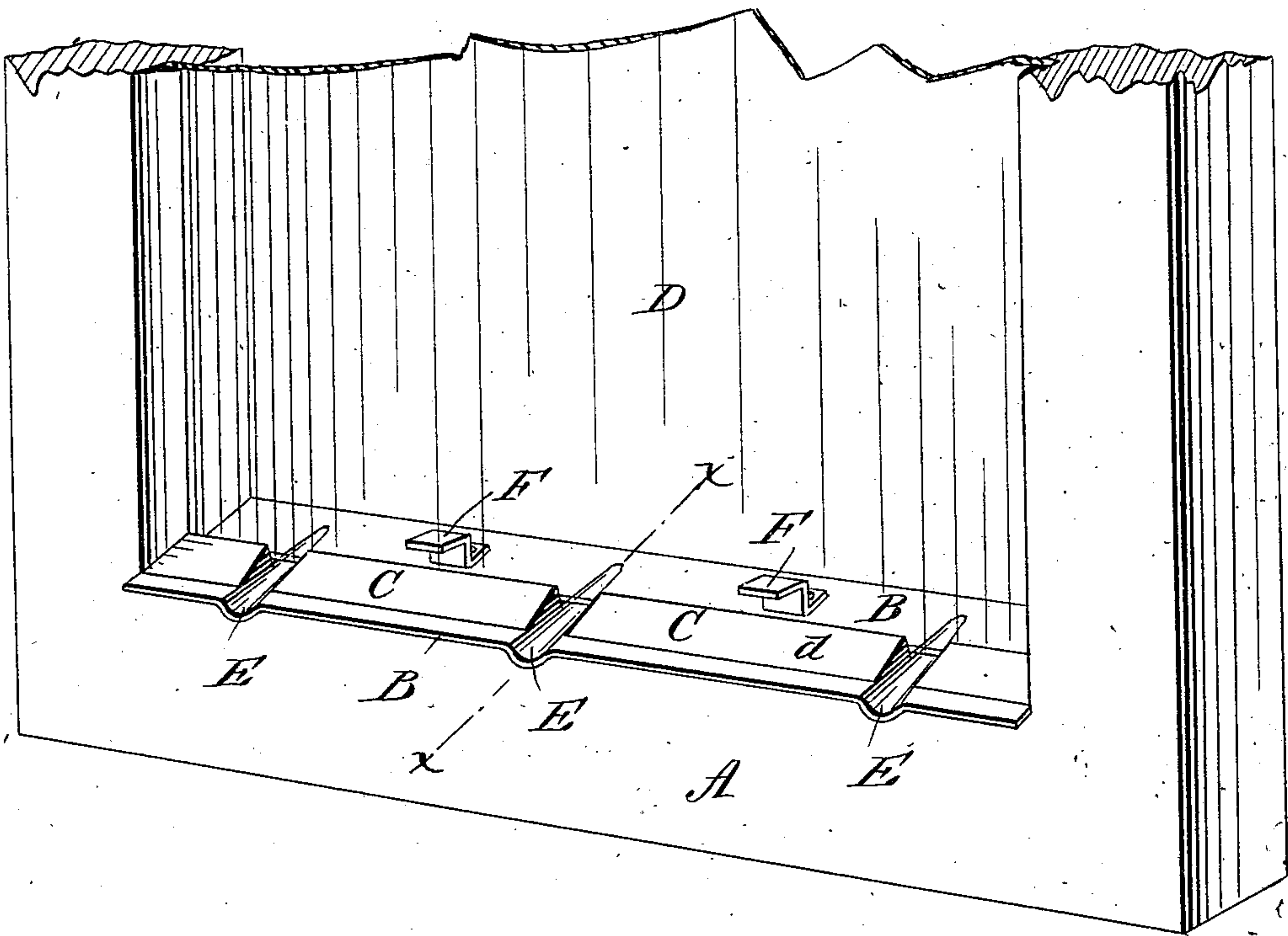
(No Model.)

C. C. DAVIS.  
WINDOW.

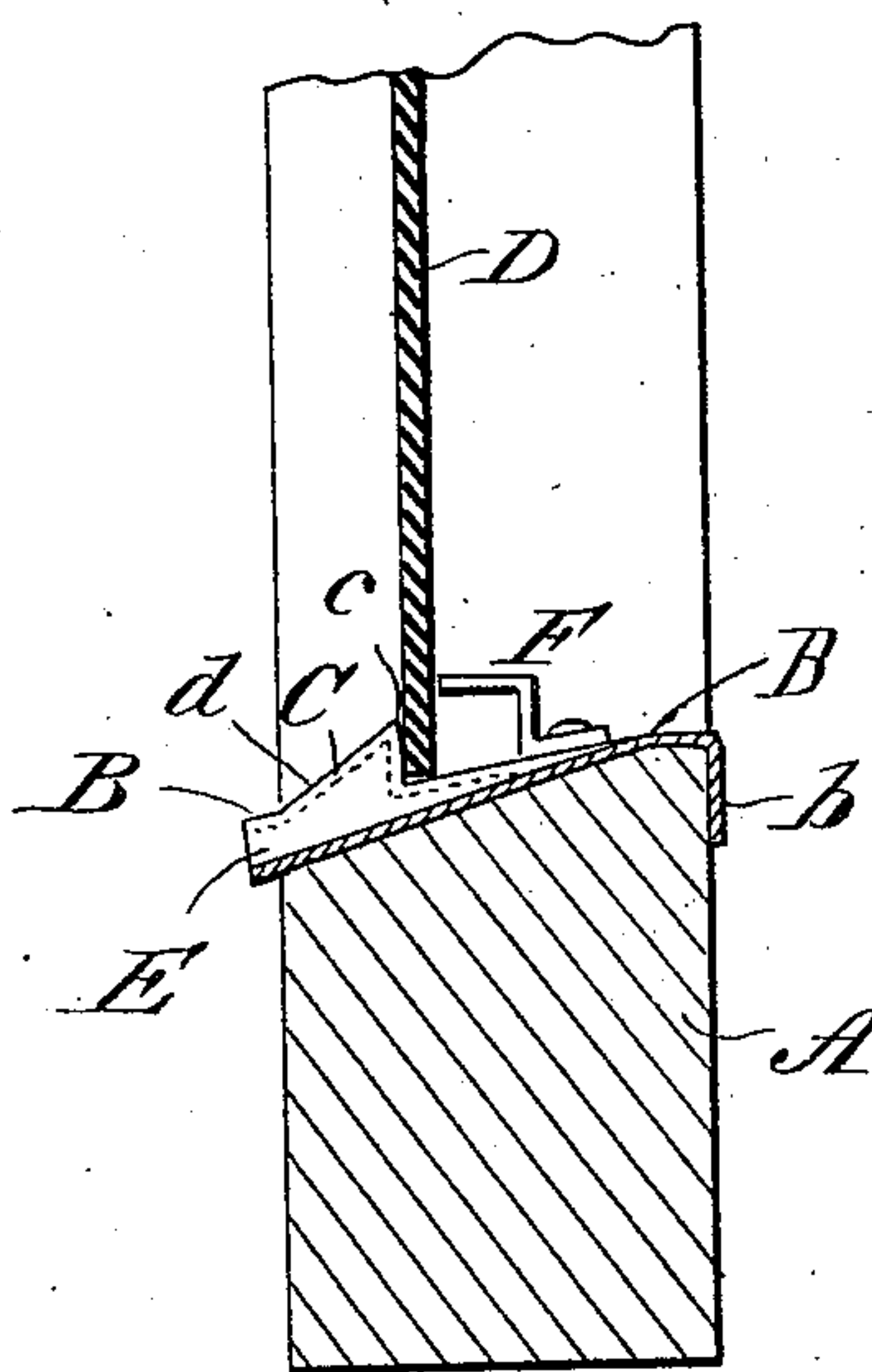
No. 304,183.

Patented Aug. 26, 1884.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

*Donn Twitchell,*  
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# UNITED STATES PATENT OFFICE.

CHRISTOPHER COLUMBUS DAVIS, OF FLEMINGSBURG, KENTUCKY.

## WINDOW.

SPECIFICATION forming part of Letters Patent No. 304,183, dated August 26, 1884.

Application filed March 17, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, CHRISTOPHER C. DAVIS, of Flemingsburg, in the county of Fleming and State of Kentucky, have invented a new and Improved Sash-Protector, of which the following is a full, clear, and exact description.

The object of this invention is to provide a device to be applied upon the bottom rail of a sash to allow any moisture which may collect upon the inside of the glass to pass freely to the outside without coming in contact with the said bottom rail, whereby it is protected from injury, and other advantages are gained.

To this end my invention consists in a metal strip to be attached upon the upper face of the bottom rail of a sash, the said strip being provided with a ridge to be at the outer face of the glass, and with rests or stays for the inner face of the same, and also with drainage-grooves, as will be hereinafter more particularly described.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a perspective view of the bottom portion of a window-sash having one of my protectors applied, and Fig. 2 is a cross-section of the same on the line *xx* in Fig. 1.

A indicates the bottom rail of a sash, which has its upper face formed with an outwardly-inclining bevel, instead of being rabbeted and beveled in the usual manner.

B is a strip or plate of metal, which strip is adapted to be secured upon the upper face of the bottom rail of the sash by screws or in any suitable manner. Upon the strip B are secured, by soldering, brazing, or otherwise, angle-strips C, forming a shoulder, *c*, to bear upon the outer face of the glass D, and a bevel, *d*, extending from the glass outwardly and downwardly, as shown. Grooves or gutters E are formed in the strip B, which grooves increase in width and depth from the inner or upper edge of the strip toward the outer or lower edge of the same. Rests or stays F are provided, which may be secured upon the strip B, if so desired, or may be otherwise attached to bear upon the inner face of the glass, the shoulder *c* of the ridges C and the stays F

serving to support the sheet of glass D against any inward or outward pressure upon the same.

The grooves E may be pressed in the strip B and the ridges C secured thereon, as shown and described, or the whole may be formed by pressing or stamping from one piece of metal, or the strip may be cast complete, ready for use. I do not limit myself in this respect.

In use the strip B is put in place upon the lower rail of a sash, with its outer edge slightly projecting, the inner edge, *b*, turned down upon the inner side of the sash, and the device secured in place by screws. The glass can then be put in place, with its lower edge bearing upon the strip B. The stays F may be permanently secured to the strip B, but preferably will be secured in place, after the glass is put into the sash, by screws, and the lip *b* may be turned when the strip is made.

This device acts as a sash-protector, a plate-glass rest, and a ventilator, and serves to carry off any water collecting at the inside of the glass, either from sweat in cold weather or from other cause, and, owing to the ventilation secured by the drainage-grooves, it will in a measure prevent the accumulation of frost upon the glass. Water being kept from the sash, the sash will not become decayed and the glass will not settle, as in an unprotected sash. Goods exposed for show are not as liable to injury from the moisture which gathers upon the glass.

This protector is more particularly intended for heavy plate-glass or show windows, but is equally applicable to any window, and it may be made of any suitable metal, but preferably of sheet copper or brass.

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

1. As a new article of manufacture, a strip for window-sashes, provided with grooves E, whereby when said strip is placed between the lower edge of the glass and the sash-rail ventilating and drainage spaces will be formed, substantially as set forth.

2. An attachment for window-sashes, consisting of an independent strip, B, formed with grooves E, and having supporting-ridges for the glass, substantially as set forth.

3. A window-sash, A, provided on the up-



per side of the rail with drainage grooves, and supporting ridges and stays for the front and rear lower edges of the glass, substantially as set forth.

- 5 4. In a window-sash protector, the combination, with the plate or strip B, having drainage-grooves E, of the ridges C, and the stays F, substantially as described.

5. The combination, with the sash A and the glass D, of the metal strip B, having drainage-grooves E, and provided with the ridges C, and of the stays F, substantially as specified.

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Witnesses:

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