

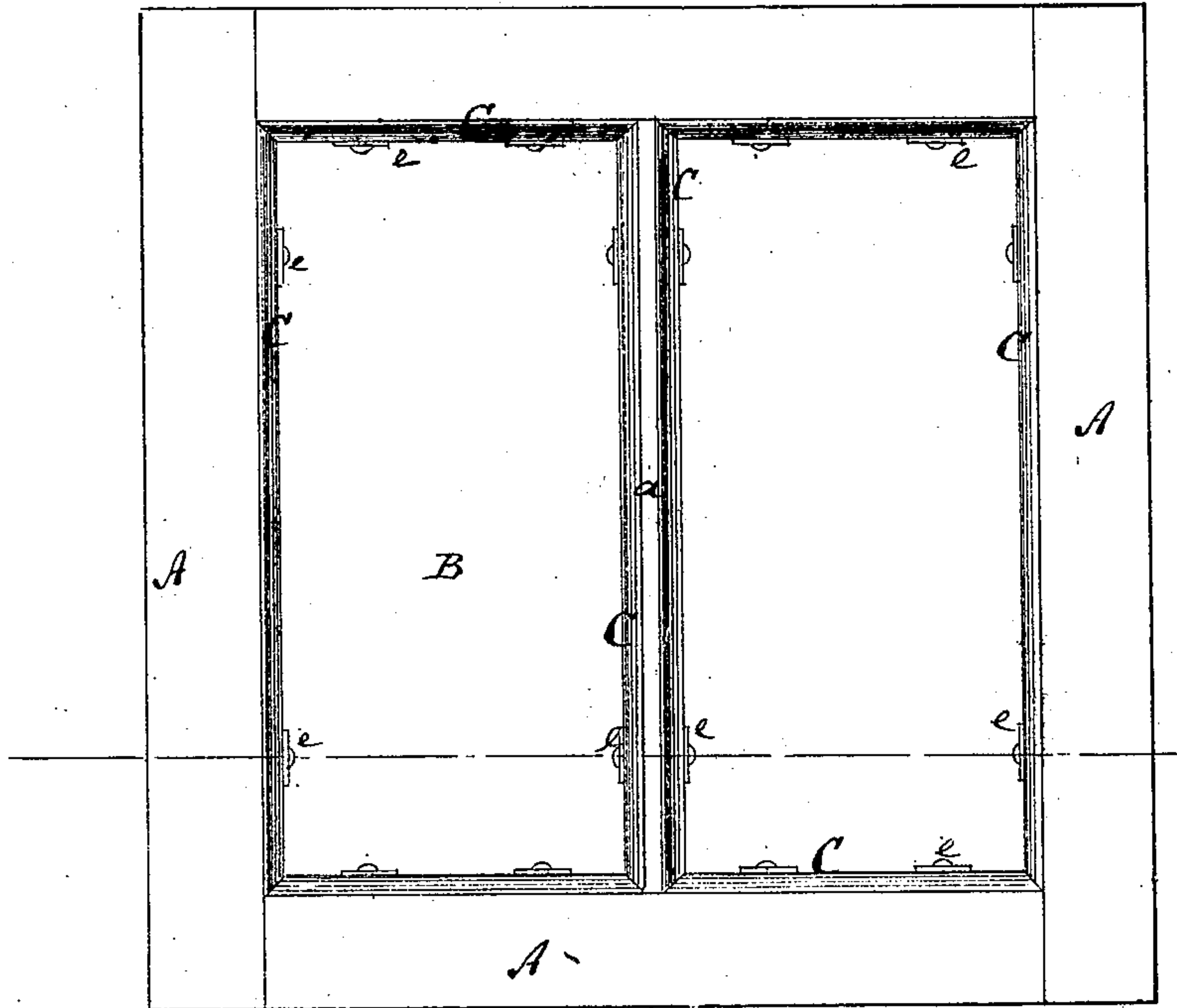
*H. L. Myers,*

*Window Sash.*

*No. 102,303.*

*Patented Apr. 26. 1870.*

*Fig. 1.*



*Fig. 2.*



**Witnesses:**

*James F. Brooks*  
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PER

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# United States Patent Office.

HARVEY L. MYERS, OF KINGSTON, ASSIGNOR TO HIMSELF, N. BRAITEGAM,  
AND T. SLAG, OF TARLTON, OHIO.

*Letters Patent No. 102,303, dated April 26, 1870.*

## IMPROVED WINDOW-SASH.

The Schedule referred to in these Letters Patent and making part of the same

*To all whom it may concern :*

Be it known that I, HARVEY L. MYERS, of Kingston, in the county of Ross and State of Ohio, have invented a new and improved Frame for Retaining Window-Glass in Sashes; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 represents a face view of a window-sash containing my improved fastening-frame.

Figure 2 is a detail horizontal section of the same.

Similar letters of reference indicate corresponding parts.

My invention is an improvement in metallic frames for holding panes of glass in their sash, and they are so constructed that the panes may be held in place without the aid of putty or other similar material, and so that the frames may be applied to the common sash.

The sash A is made in the usual manner, and divided, by mullions *a* or other division-bars, into suitable fields or frames for the reception of the window-glasses.

Every bar of the sash is rabbeted on the outer side, as usual, for the reception of the panes B.

C C are sheet-metal plates, made as long, respectively, as the rabbets of the sash, and mitered at the ends, to fit well together when put against the said rabbets.

Every plate C is bent longitudinally, to form three main sides, *b*, *c*, and *d*.

The side *b* fits against the outer face of the sash and rabbet, the side *c* against the inner side of the same, and the side *d* is bent obliquely inward from the outer edge of *c*, all as shown in fig. 2.

The plates or grooved bars C are then applied to the edge of the glass one after another, and, when they are all properly placed, the glass is inserted into the sash.

From each plate C project inwardly lips *e e*, which are then tacked or otherwise fastened to the sash from the inside.

The parts *d* of the metal frames thus formed serve as weather-strips, and keep the draught and moisture from entering the room.

Whenever a glass breaks, it is only necessary to remove the tacks, whereby the whole metallic frame becomes loose, and can be removed. A new glass is then put into the grooved bars, and reinserted, as above.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The metallic frames C, fitted into the rabbets on the outer side of the sash, and bent obliquely inward at their outer edges, to hold the panes of glass in the grooves thus formed, as shown and described.

HARVEY L. MYERS.

Witnesses :

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