

J. BROUGHTON.

Fastener for Meeting-Rails of Sashes.

No. 204,794.

Patented June 11, 1878.

Fig. 1.

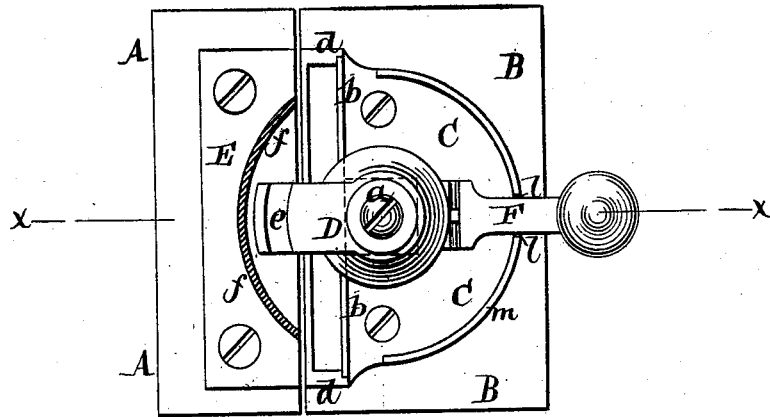


Fig. 2.

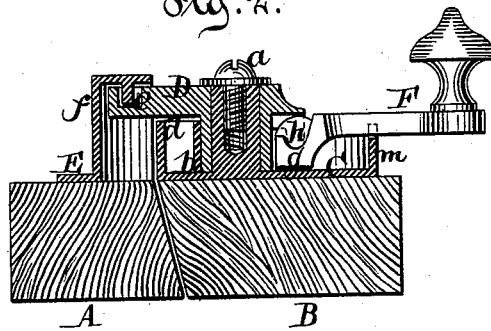


Fig. 3.

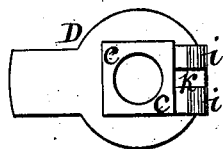
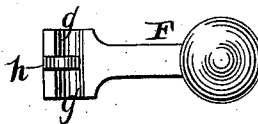


Fig. 4.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN BROUGHTON, OF BROOKLYN, ASSIGNOR TO WILLIAM JOHN GRIF-
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IMPROVEMENT IN FASTENERS FOR MEETING-RAILS OF SASHES.

Specification forming part of Letters Patent No. **204,794**, dated June 11, 1878; application filed
May 22, 1878.

To all whom it may concern:

Be it known that I, JOHN BROUGHTON, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Sash-Fasteners, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 is a top or plan view of the sash-fastener. Fig. 2 is a vertical central section in the plane *x x*, Fig. 1. Fig. 3 is an inverted plan view of the latch. Fig. 4 is a detached view of the handle.

Similar letters indicate corresponding parts.

The object of this invention is to furnish a neat, cheap, and efficient sash-fastener, which will prevent the sashes from being separated in any direction, and which is easily operated and not liable to get out of order; and it consists in a novel construction and arrangement of parts, hereinafter particularly described, and definitely pointed out in the claims.

In the drawing, the letters A B designate two meeting-rails of a window-sash. To the rail B is fastened the frame C. The latch D revolves about a standard rising from said frame C, being held thereon by a screw, *a*, Fig. 2. Said frame C is provided with a U-shaped rim, *d d*. (Best seen in Fig. 1.) A spring, *b b*, rests in depressions or recesses formed in said U-shaped rim. This spring *b b* acts on the cam-shaped hub *c c*, Fig. 3, of the latch D, causing it to stay either in the positions shown in Figs. 1 and 2 when the latch closes the window, or in a position so that the window can be opened—that is, when the latch has made a quarter of a revolution.

To the rail A is fastened a frame, E. From this frame E rises a concave covered flange, *f f*, the top of which is removed in Fig. 1. The top of this flange *f f* is provided with a lip, (seen in Fig. 2), which lip engages with a depression, *e*, in the latch D when the latch is turned so as to close the window. The

handle F of the latch D is provided with two recesses, *g g*, and a lip, *h*, which engages with two lips, *i i*, and a recess, *k*, in the latch D, and so a hinge-joint is formed without using a pintle. This arrangement allows the handle F to fall into a recess, *l*, in the rim *m* of the supporting-frame C C, Fig. 1, so as to retain the latch D in its locking position, and to raise the handle out of said recess if the latch is to be turned.

A great advantage of this construction is that the different parts of the sash-fastener can be cast and then put together rapidly and securely.

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

1. The combination, in a sash-fastener, of a supporting-frame provided with a recess, *l*, in its rim, a handle, F, adapted to engage with said recess *l*, and provided with a depression or depressions, *g*, and a revolving latch provided with a lip or lips, *i*, adapted to engage with the depressions of the handle and to form a hinge-joint without a pintle, substantially as and for the purpose set forth.

2. The combination, with the handle F, constructed substantially as described, of the oscillating latch D having the cam-shaped hub *c* and depression *e*, straight flat spring *b*, all upon the top of the lower sash-frame, and the concave covered flange *f*, provided with a downward-projecting lip for engaging in the depression of the latch, whereby said latch is held securely in its locking position and the two sash-frames are prevented from being separated in any direction, as set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 2d day of April, 1878.

JOHN BROUGHTON. [L. S.]

Witnesses:

W. HAUFF,
E. F. KASTENHUBER.