

No. 111,080.

PATENTED JAN. 17, 1871.

S. R. OWEN.
WINDOW FRAME.

111080

Fig. 1.

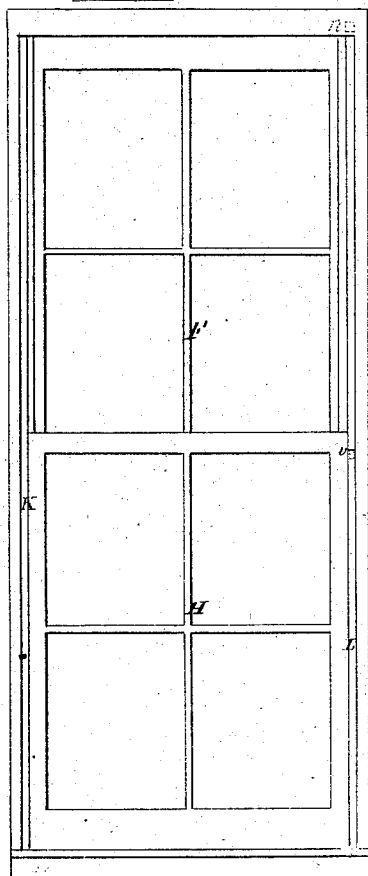
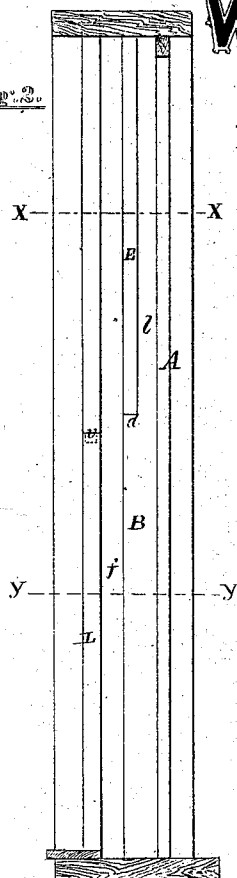


Fig. 2.



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Fig. 3.

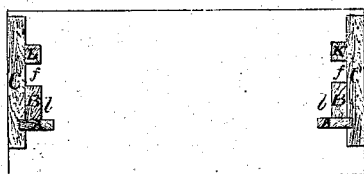
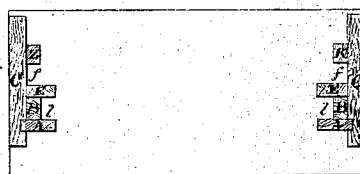


Fig. 4.



Witnesses.

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SILAS R. OWEN, OF STEWARTSVILLE, MISSOURI.

Letters Patent No. 111,080, dated January 17, 1871.

IMPROVEMENT IN WINDOW-FRAMES.

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, SILAS R. OWEN, of Stewartsville, in the county of De Kalb and State of Missouri, have invented a new and valuable Improvement in Window-Frames; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same; reference being had to the annexed drawing making a part of this specification and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a front view of my invention.

Figure 2 is a central vertical longitudinal section of the same.

Figure 3 is a horizontal section through the line *x x*.

Figure 4 is a horizontal section through the line *y y*.

My invention relates to an improvement in window-frames, and consists in the construction and novel arrangement of the strips attached to the window-jamb, designed to permit the ready removal of the sashes, whenever desired, without the necessity of drawing nails or screws.

The letter A of the drawing designates the outer strips which form the outer walls of the channels or grooves *l*, in which the upper sash F slides.

B represents the bearing-strip for the upper sash. It is laid flat upon the jamb C, and shouldered at *d*, to receive the short strip E, extending downward just far enough to permit the upper sash to be drawn out below it.

When the upper sash is raised, the strip E forms the inner wall of the groove in which it slides. It also forms the upper half of the outer wall of the groove *f*, in which the lower sash H slides, while the lower half of the same wall is formed by the inner edge of the

bearing-strip B. The lower sash bears immediately on the jamb.

On one side of the window the inner wall of its groove is formed by the stationary strip K, extending the entire length of the window-frame. On the other side this wall is formed by the short stationary strip L and the removable strip Z.

The stationary strip L extends upward from the sill somewhat less than half the length of the window-frame. It is made sufficiently short to permit the sashes to be taken out above it when the strip *z* is removed.

The strip *z* is secured in place by a mortise, *a*, in the top of the window-frame, and, by a mortise and tenon-joint, *v*, connecting it with the upper end of the strip L.

It will be observed that the upper or outer sash F is made narrower than the lower sash H.

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

1. The window-frame herein described, having the stationary strips A A and K running the entire length of the window, bearing-strips B, shouldered at *d*, short strips E E and L, and the removable strip *z*, when structured in the manner and for the purposes specified.

2. In combination with the upper and lower sashes F and H, of different widths, a window-frame, having communicating grooves *l* and *f*, arranged substantially in the manner and for the purposes specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

S. R. OWEN.

Witnesses:

J. P. SCOTT,
JOS. SHEARER.