

W. H. Griffin,

Window Frame.

No. 109892.

Patented Dec. 6. 1870.

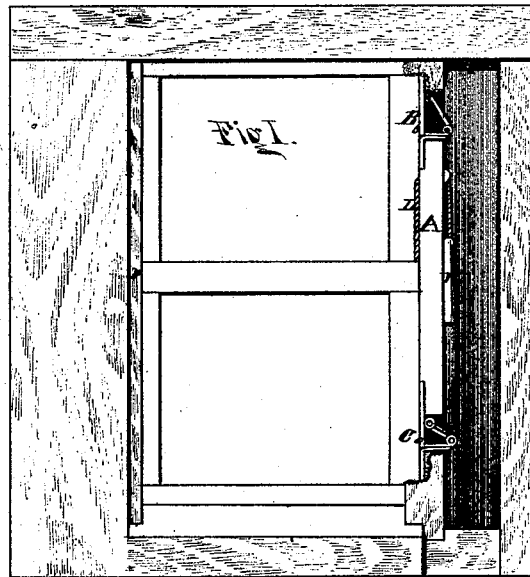


Fig. III.

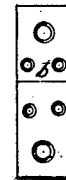
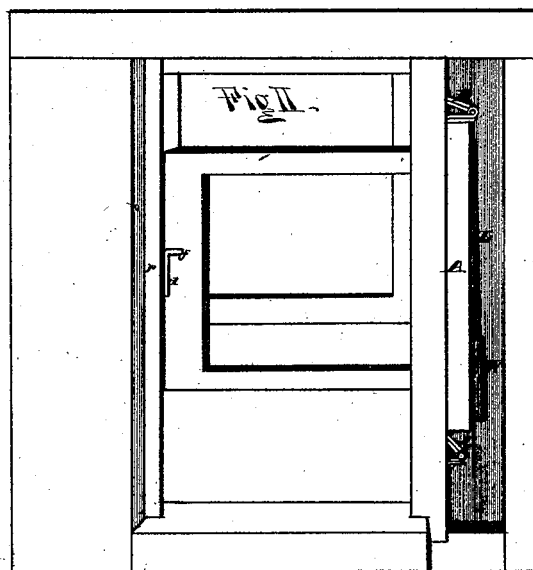
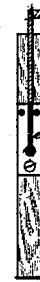


Fig. IV.

Inventor  
William H. Griffin  
by his Attorneys  
Gardner & Hyde

Witnesses.  
E. Dudley Chapin  
Chas. P. Kemp

# United States Patent Office.

WILLIAM H. GRIFFIN, OF SPRINGFIELD, MASSACHUSETTS.

Letters Patent No. 109,892, dated December 6, 1870.

## IMPROVEMENT IN WINDOW-FRAMES.

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

I, WILLIAM H. GRIFFIN, of Springfield, Hampden county, Commonwealth of Massachusetts, have invented an Improvement in Windows, of which the following is a specification.

### *Nature and Objects of the Invention.*

My invention consists in hinging the side of the window-jamb in such a manner that the sash containing the glass can be taken out or returned to its place by simply pushing one side of the window against said hinged jamb until the other sash clears the bead of the window, when it can be entirely withdrawn. The windows can be removed from their places for the purpose of cleaning them, or of securing better ventilations with little more trouble than is ordinarily employed in raising or lowering them; also, from the jambs being hinged, there is no possibility of the sashes being too tight in the jambs to be easily raised or lowered from their swelling from moisture or other causes.

### *Description of the Accompanying Drawing.*

Figure I shows a side elevation, with the jamb entirely uncovered to show the manner in which it is hinged.

Figure II shows a view in which the hinged jamb is swung back to permit the withdrawal of the sash.

Figure III is a detail view of the catch in the sash holding the weight-cord; and

Figure IV shows a front view of one of the hinges.

### *General Description.*

A is the hinged jamb, which is attached by the double hinges B at its top and C at its lower end, to the ends of the jamb above and beneath, which are fixed, and which are long enough to afford a secure fastening to the hinges which are screwed to them.

These hinges B and C, each having two centers, permit the jamb to be swung outward and upward, and as the cord L, attached at one end to the sash of the window, and at the other to the weight W, passes over a pulley in the swinging jamb A, the jamb A, when swung out and up, has not only its own weight but that of the weight W which rests against it, to return it to its place flush with the fixed ends of the jamb to which it is attached.

The hinge B has the flange *b*, and the one C the flange *c*, which come against shoulders on the lower parts of the hinges, so as to form a continuous sliding surface for the sash.

In a window containing two sashes I place one swinging jamb upon one side, and the other upon the other.

In order to remove easily and at once the sash from the weight-cords, when it has been removed from the jambs, I provide a catch in the sash for each cord, so that, in order to remove the cords L, it is only necessary to pull the rope down until the knot can be withdrawn through the larger aperture of the key-shaped opening therein.

### *Claim.*

What I claim as my invention is—

A window-hinge, consisting of the swinging jamb A, double hinges B and C with their flanges *b* and *c*, the parts being constructed and arranged substantially in the manner and for the purpose shown and described.

WM. H. GRIFFIN.

Witnesses:

R. F. HYDE,  
D. E. CASTLE.