

G. Shatswell.

Window.

N^o 94,344.

Patented Aug. 31, 1869.

Fig. 1.

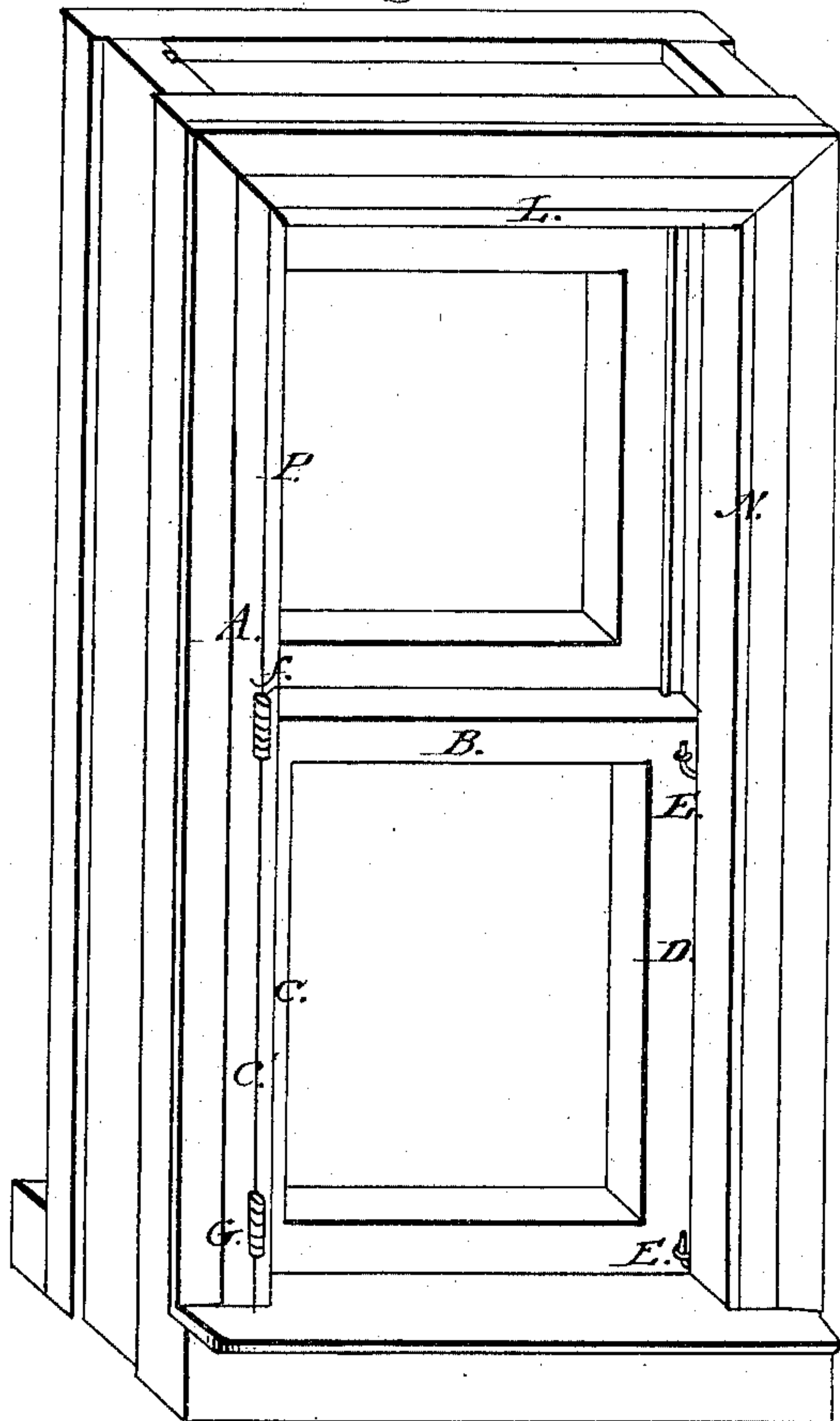


Fig. 2.

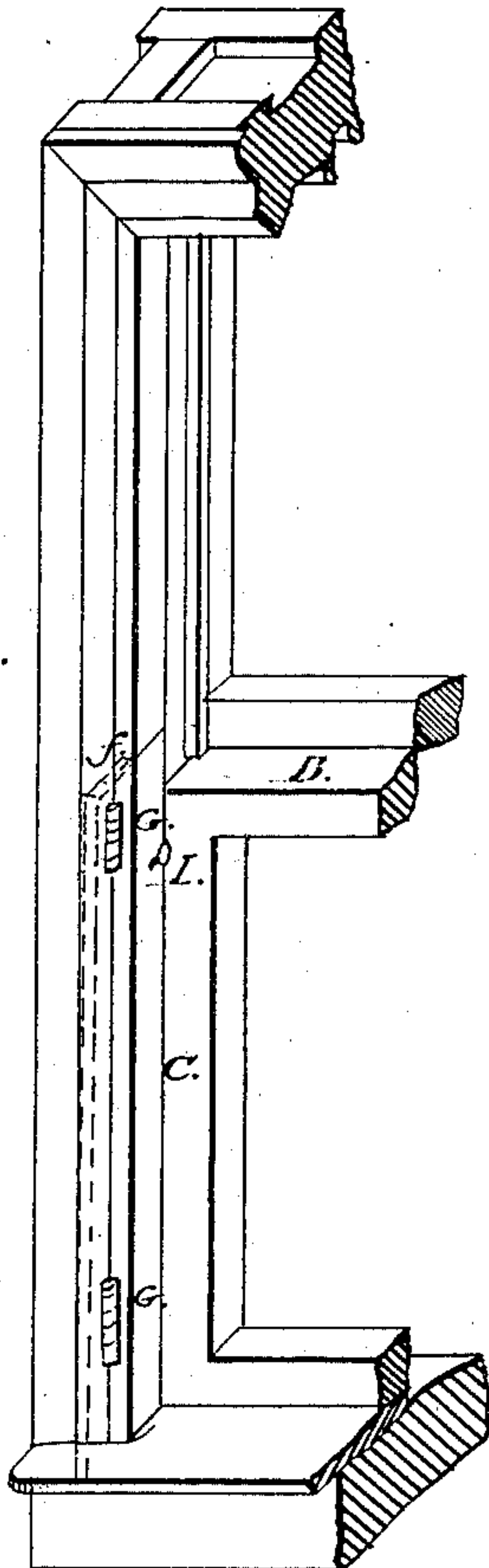


Fig. 4.



Fig. 3.

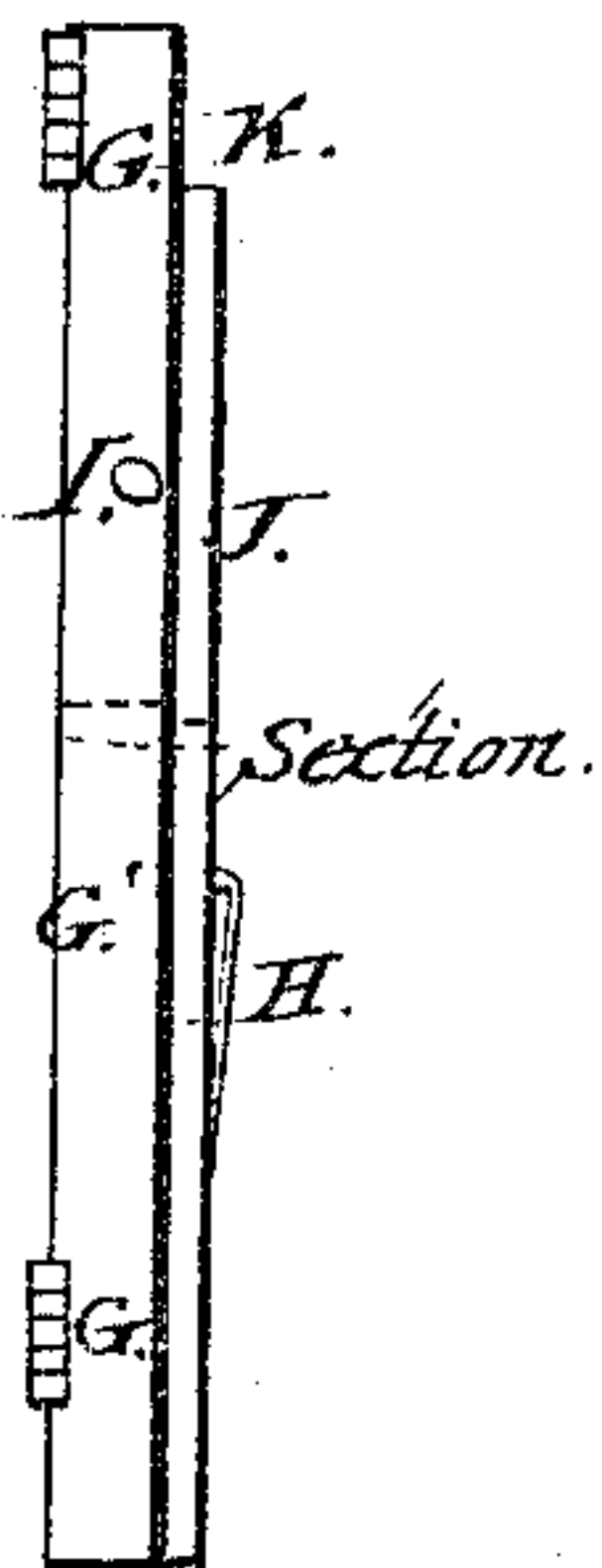


Fig. 5.



WITNESSES:

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per
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GEORGE SHATSWELL, OF WAUKEGAN, ASSIGNOR TO HIMSELF, PARNELL MUNSON,
AND CHARLES L. SAMPSON, OF CHICAGO, ILLINOIS.

Letters Patent No. 94,344, dated August 31, 1869.

IMPROVED WINDOW.

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, GEORGE SHATSWELL, of Waukegan, in the county of Lake, and State of Illinois, have invented an Improved Window; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, and letters marked thereon, making a part of this specification, in which—

Figure 1 is a perspective representation of my improved window.

Figure 2, a broken view of the same.

Figure 3, an elevation of the swinging stop detached from the frame.

Figure 4, a broken elevation of lower sash.

Figure 5, a transverse section of one of the sash-stiles and the swinging stop, taken on line *xx*, fig. 2.

The nature of the present invention consists in combining a hinged stop with a hinged sash, whereby the sash is arranged both to swing and slide, as hereinafter fully described.

A represents an ordinary window-frame, which is provided with inside stops N L, in the usual manner.

The stop P G', however, has a different construction, it being cut in two parts, at *f*, figs. 1 and 2, and having formed on the inner edge of the part G', a tongue, J, which fits into a rabbet, *m*, figs. 4 and 5, in the sash-stile C, and holds the stop in place.

The part G' is hinged to the casing at G G, and it

is so arranged, that when the sash C is so raised up that the lower end of rabbet *m* is brought above the end, K, of the tongue J, it will swing open, and allow either sash to be readily removed from the frame.

The lower sash is hinged on loose joint-hinges, at E, on which it may be swung open, if desired, the sash rising off from and adjusting itself on the hinges without care on part of the operator.

In this construction of windows, and where weights and pulleys are used, it is necessary sometimes to remove the sash from the cords. In this case, any ordinary detachable cord-fastener can be used with the same results as on other windows.

The hinged stop G' will be found very convenient for windows where double sashes are used, inasmuch as much trouble and annoyance are obviated in adjusting and removing the sash in the fall and spring of the year.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent of the United States, is—

In combination with the tongued stop G', the sash C, arranged to swing and slide, as and for the purpose set forth.

GEORGE SHATSWELL.

Witnesses:

FRANCIS E. CLARKE,
O. S. LINCOLN.