

L. Till,

Window.

No. 96,507.

Patented Nov. 2, 1869.

Fig. 1.

Fig. 3.

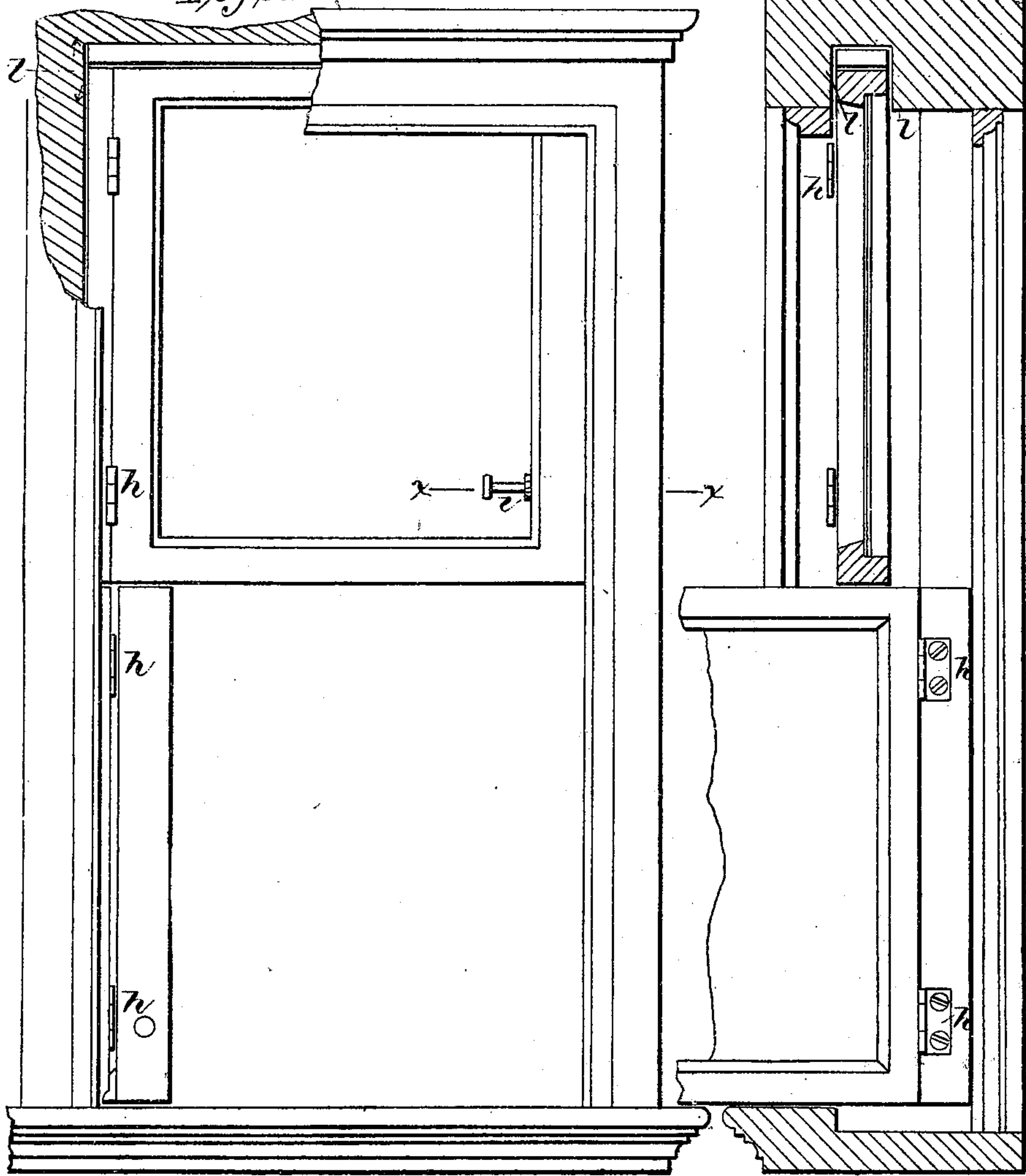
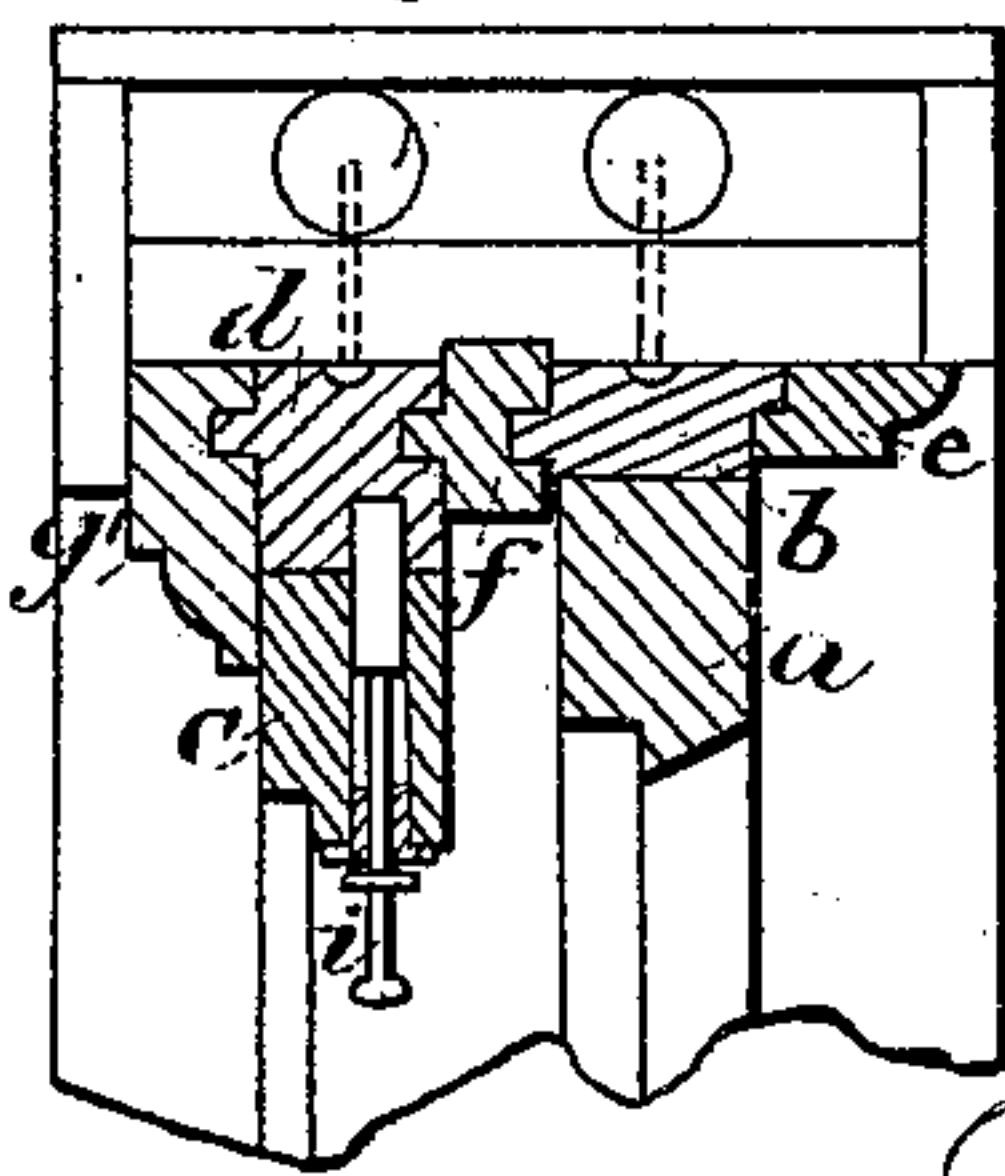


Fig. 2.



Witnesses;
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United States Patent Office.

LEVI TILL, OF SANDUSKY, OHIO, ASSIGNOR TO HIMSELF, B. W. WELLS,
AND J. C. BUTLER, OF SAME PLACE.

Letters Patent No. 96,507, dated November 2, 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, LEVI TILL, of Sandusky, in the county of Erie, and State of Ohio, have invented a new and useful Improvement in Windows; 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 drawings, forming part of this specification.

My invention relates to windows; and consists in an improved construction and arrangement of parts, whereby they may be more conveniently cleaned and repaired.

Figure 1 represents a front elevation of a window constructed according to my improvement, with a part broken away at the top;

Figure 2 represents a horizontal section of the same, taken on the line *x x* of fig. 1; and

Figure 3 is a transverse sectional elevation.

Similar letters of reference indicate corresponding parts.

I make the stiles of the sash in two parts, *a b* and *c d*, and fit the parts *b* and *d* to work up and down between the stops *e f g*, and preferably in grooves therein.

At one side I hinge the parts *a c* to the other parts, as represented at *h*, and at the other side I connect the two parts by spring-stops *i* or other suitable fastenings.

In order to cause the upper sash to open freely past the central stop *f*, I make it slightly narrower than the lower sash, and to cover the joints of the two

parts of the stiles, and form shoulders for the sash to close against, I arrange the outer and central stops to lap the said joints, as clearly shown in the sectional fig. 2.

The sash-weights may be connected to the parts *b d* of the stiles, and when it is desired to swing the sash open, they are first raised to the top, and disconnected from the parts *b d*, to which they are connected by the spring-stops, in order to prevent the weights on that side from suddenly falling. They may be then swung open, after being drawn down again.

A pocket, *l*, is arranged at the top of the window, to allow the lower sash to rise past the upper one when that is required to be opened.

Instead of making the parting-stops *f g* wider, for lapping by the joints of the sash with the strips, the slides *b d* may be made with projecting ribs *d'*, as represented in the detail, fig. 3, lapping into rebates formed in the sash-stiles, and in this case the slides for both sashes will be made the same width, and the sash will also be equal in width.

Having thus described my invention,

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

The combination of the pocket *a* with sashes hung upon slides, in the manner and for the purpose specified.

LEVI TILL.

Witnesses:

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