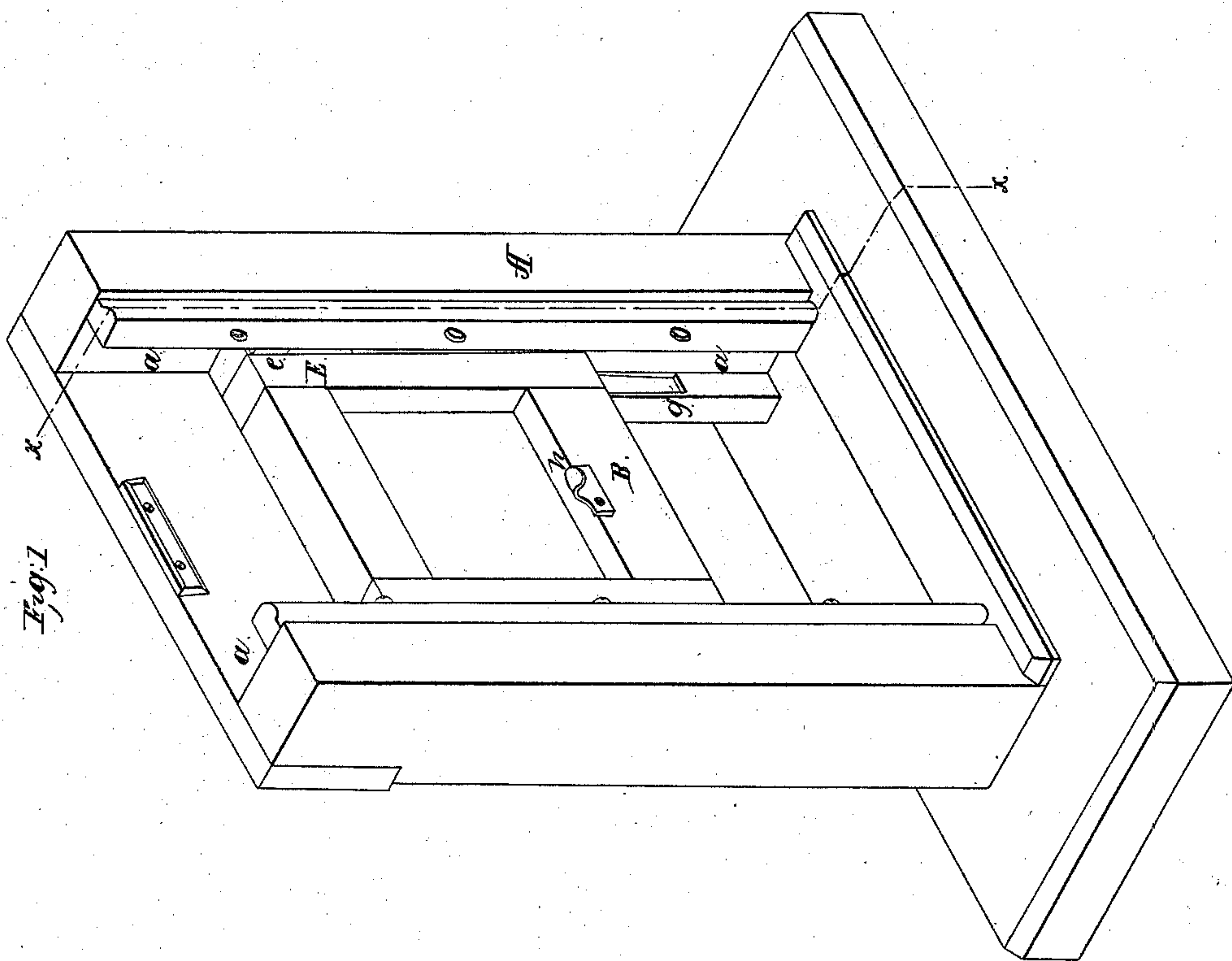
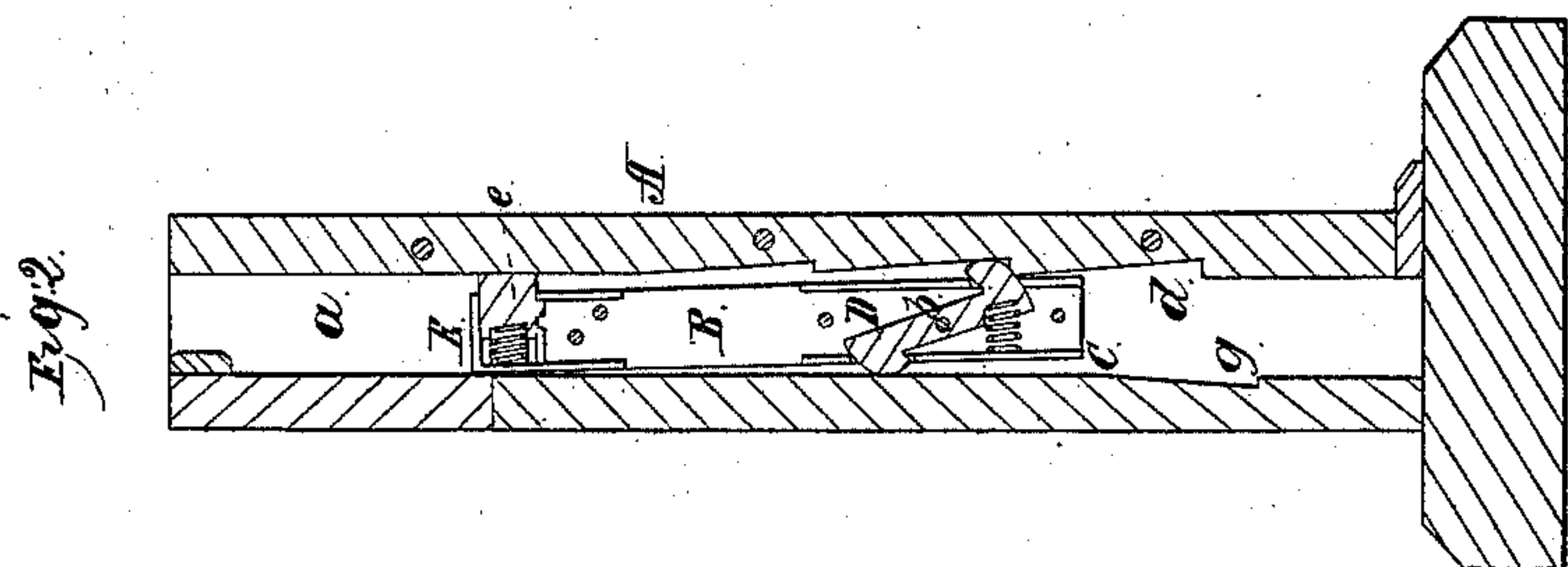


*W. C. Fisher,
Sash Fastener.*

N^o 47,709.

Patented May 16, 1865.



*Witnesses:
P. C. Schumacher
N. W. Stearns.*

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UNITED STATES PATENT OFFICE.

WILLIAM C. FISHER, OF CHARLESTOWN, MASSACHUSETTS.

IMPROVEMENT IN SASH-SUPPORTERS.

Specification forming part of Letters Patent No. 47,709, dated May 16, 1865.

To all whom it may concern:

Be it known that I, WILLIAM C. FISHER, of Charlestown, in the county of Middlesex and State of Massachusetts, have invented an Improved Sash-Supporter, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a view of a window-frame and sash having my improved supporter applied thereto. Fig. 2 is a vertical section through the same on the line *xx* of Fig. 1.

The object of my invention is to provide a simple and convenient means of supporting window-sashes; and it consists in attaching to each side of the sash a lever or pawl, which falls into notches formed in the side of the frame, whereby the sash is held at various heights, these levers, in connection with spring-presser blocks, also serving to press the sash when closed against the frame, thereby preventing the entrance of dust or air, and also avoiding at all times, whether closed or open, the jar or rattling which is common to sashes as ordinarily constructed.

To enable others skilled in the art to understand and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A is the window-frame within which, at *a*, slides the sash B. Each side of the lower end of this sash is cut away to receive a metal box, C, in which is pivoted, at *b*, the lever D, whose upper and lower extremities are enlarged and pressed outward against the sides of the frame by means of a spring, *e*, one end of which bears against the inner side of the box C, while its opposite end rests in a recess made in the bottom of the lever D. In one side of the frame are cut the notches *d*, into which fits the enlargement or projection at the lower end of one of the levers D. Each side of the top of the sash B is cut away for the reception of another metal box, E, within which is placed a metal block, *e*, which is constantly pressed outward against the frame by a spiral spring, *f*, as seen in Fig. 2. A notch, *g*, is made on each side of the frame on the side opposite to the notches *d* for

the reception of the projections on the upper extremities of the levers D when the sash is closed, so as to allow it to be pressed outward against the frame.

h is a handle or knob by which the sash is raised or lowered.

The parts being in the position indicated by the drawings, and it being desired to close the sash, the hand is applied at the point *h* and the sash pressed gently against the outer side of the frame, which operation forces in the upper extremities of both of the levers D, and consequently withdraws the lower extremity of the lever resting in one of the notches *d*, when the sash is free to be lowered, and when shut is pressed snugly against the outside of the frame of the window by means of the levers D and presser-blocks *e*, in the manner above described.

When it is desired to raise the sash, it is simply necessary to lift it by the handle *h*, no pressure outward being required, excepting when the sash is to be lowered; and when the sash is raised, as seen in Fig. 2, it is pressed inward by the upper ends of the levers D, thus holding the sash in place and preventing it from rattling; and by making the sash of less thickness than the grooves in which it slides, no trouble is experienced from the swelling of the sash in damp weather, the actions of the springs against the levers D and presser-blocks *e* keeping it in contact with the sides of the frame when shut, thus effectually preventing the entrance of the air and dust from the outside and avoiding any tendency to jar or rattle in the frame, and also causing the sash to slide with a very small amount of friction.

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

1. The levers D and notches *d*, operating substantially as described, for the purpose set forth.

2. The presser-blocks *e*, when used as an adjunct to the levers D, operating substantially as described, for the purpose specified.

WM. C. FISHER.

Witnesses:

N. W. STEARNS,

P. E. TESCHEMACHER.