

J. N. Sawtell,

Sash Holder.

N^o 65,015.

Patented May 21, 1867.

Fig. 3.

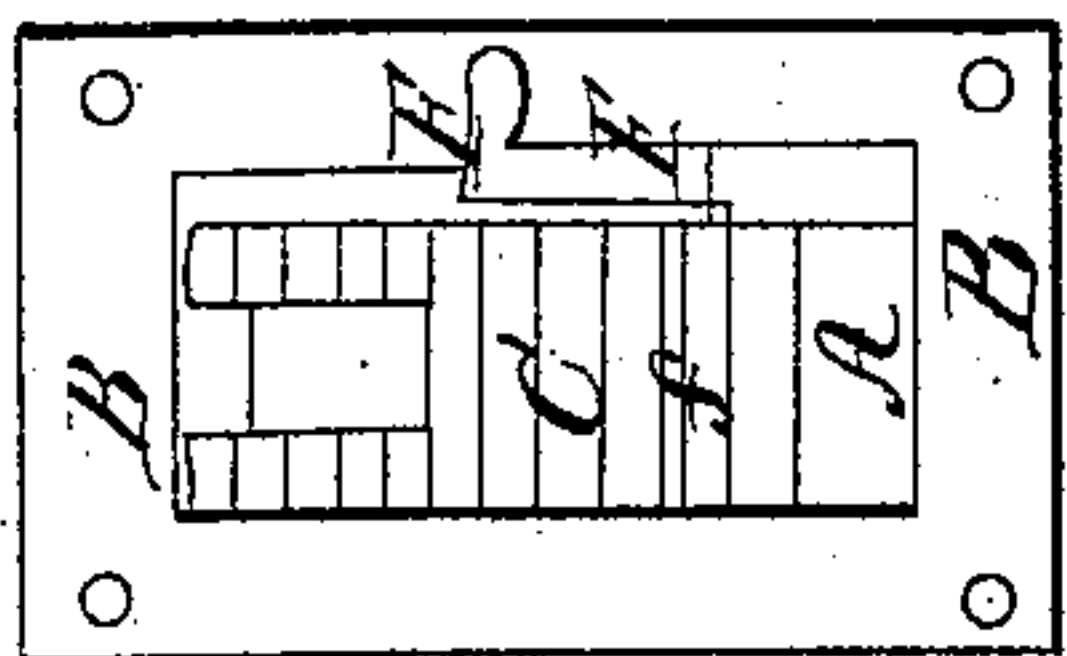


Fig. 4.

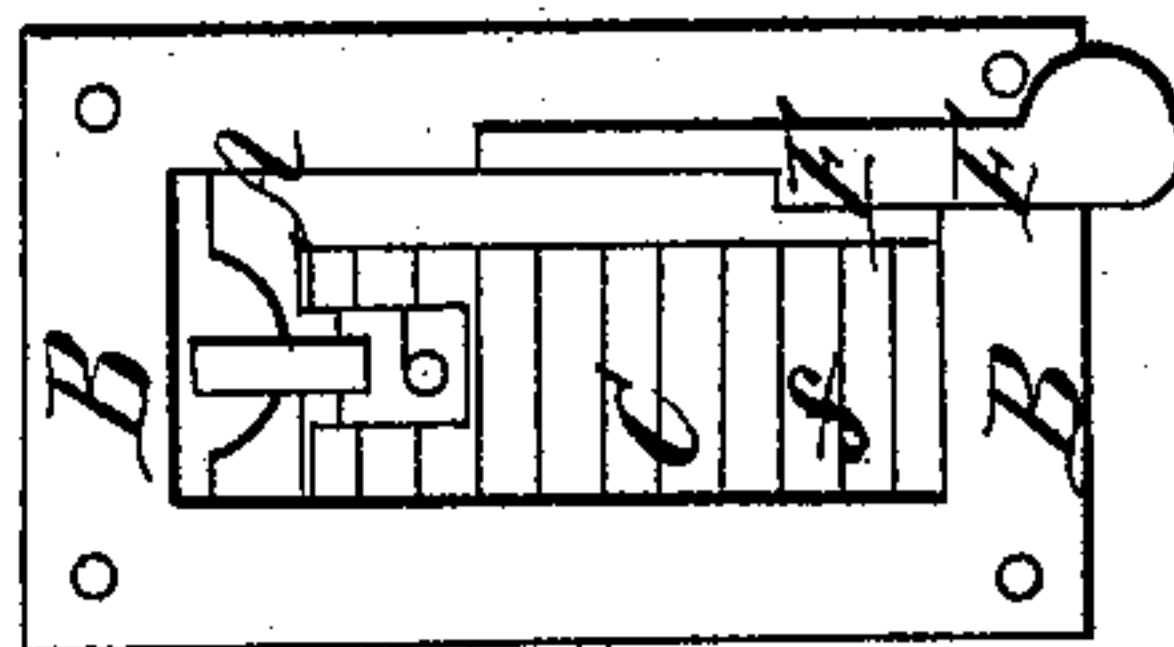


Fig. 2.

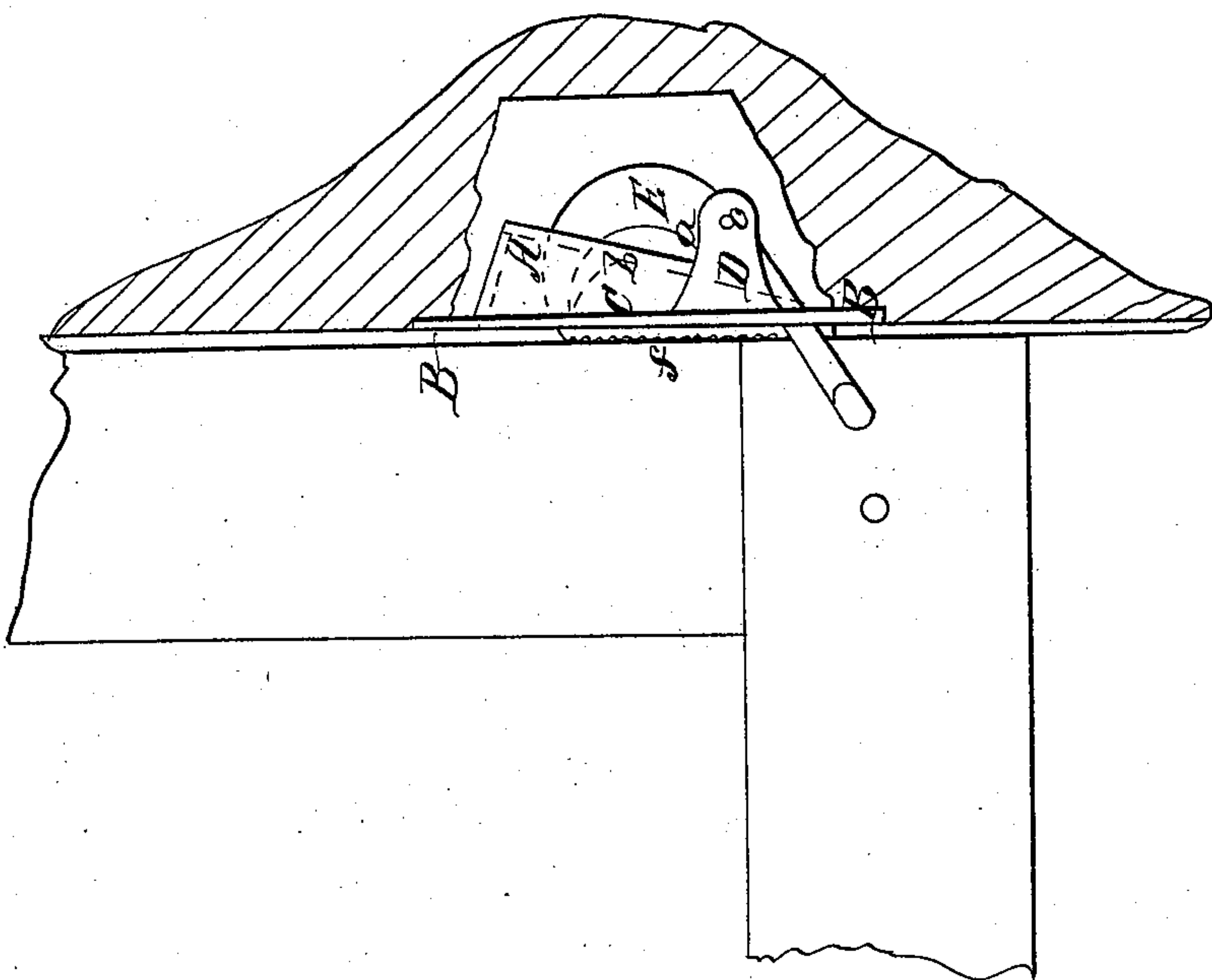
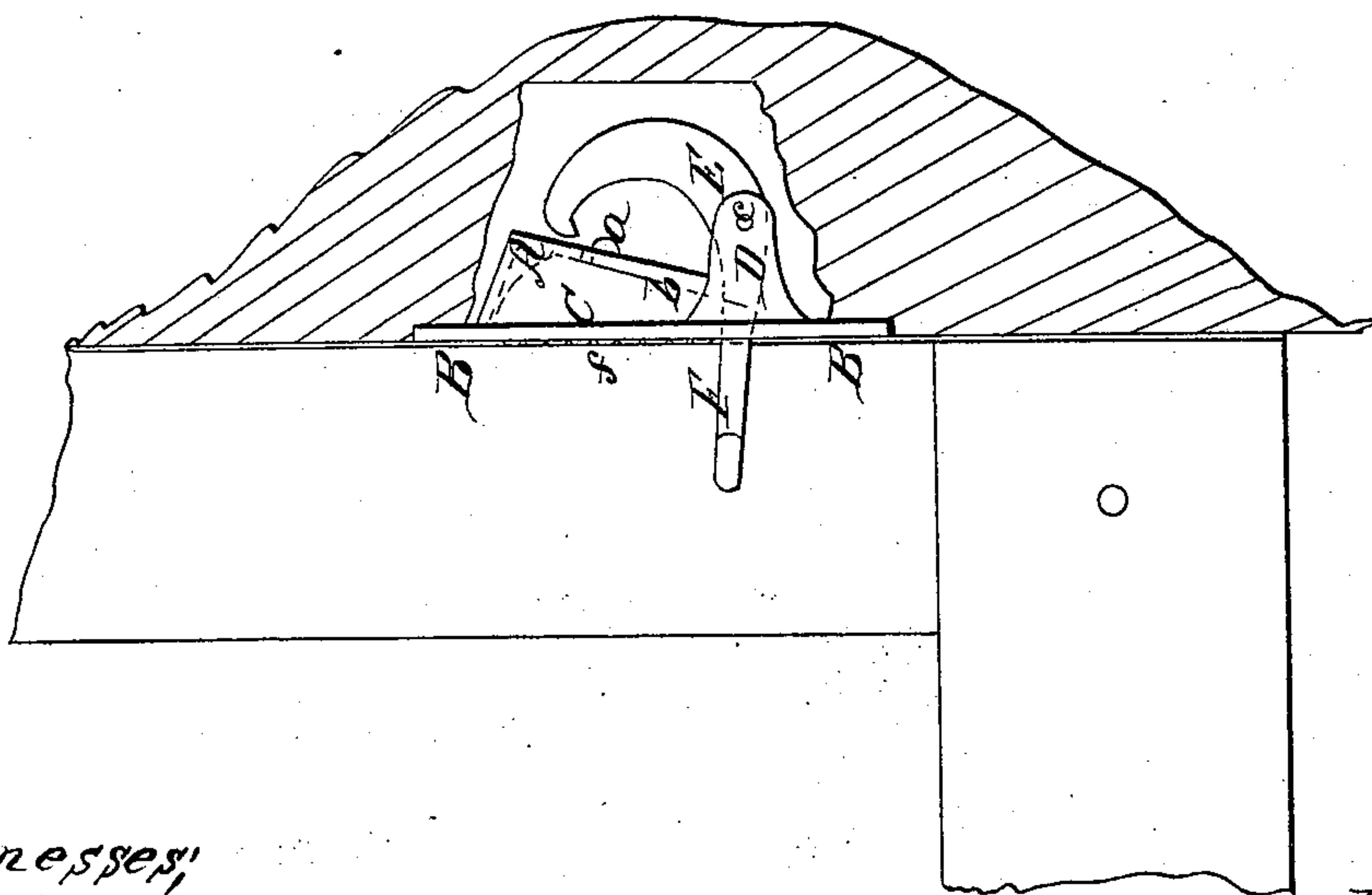


Fig. 1.



Witnesses,
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JOHN N. SAWTELL, OF CHICOPEE, MASSACHUSETTS.

Letters Patent No. 65,015, dated May 21, 1867.

IMPROVED SASH-SUPPORT.

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, J. N. SAWTELL, of Chicopee, Hampden county, Commonwealth of Massachusetts, have invented a new and useful improved Sash-Supporter; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

In Figure 1 of the drawings is shown a side view of my invention as applied to the window;

Figure 2 being a similar side view differing in position of its parts; and

Figures 3 and 4 diagrams of the front of the same with parts in different positions.

This invention consists of a device for supporting the sash in a window-frame at any desired height, and is also arranged so as to prevent the window from being raised from the outside.

In construction I form my window-fastener and sash-supporter of a wedge-shaped box, A, with a flange, B, of the proper size, around the edge of the front, which is left open, the flange B having screw holes cut into it, so that it can be screwed to the side of the window-frame. Into this box is placed a wedge, C, which works vertically in the box or guide A, and is held in place by a screw, *a*, set into the back of the wedge, and working in a slot, *b*, in the back of the box A, this screw having a head outside of the slot which keeps the wedge C in its proper place. From the lower part of the box, on each side, projecting rearwards, are two ears, D, which form a fulcrum for the lever E, which works on a pivot, *c*, put through it and the ears D. This lever E consists of a handle, F, which passes through the lower part of the guide-box A, and projects outside, forming a handle, and has the weight of the wedge C resting on it, this being arranged by means of a projection from the side of the wedge. This lever, on the other side of the pivot, is curved around upwards, and having a notch on the under side of the end, so that when the wedge slides down it presses down the handle of the lever, bringing the curved part over with the notch upon the top of the wedge, as shown in fig. 2, so that the wedge cannot be raised without the handle being raised first, for by raising this handle the curved part is drawn away from the top of the wedge at the same time that the lever raises it. The front surface of the wedge C, at *f*, is corrugated, so as to take a firmer hold of the sash.

The operation of this device is as follows: It is set into the side of the window-frame, as shown in figs. 1 and 2, a sufficient cavity being made for the parts to work in. The flange is then fastened in by means of screws through the screw holes already mentioned. This is arranged so that the handle is sufficiently far aside of the sash to be worked conveniently. Fig. 1 shows the position of parts when the window is being raised, the handle having been first raised so as to unlock and raise the wedge. Fig. 2 shows the same when the window-sash is supported thereby. It will be seen here that the sash cannot be moved from the outside, as the wedge is locked by the hook at the top, and is jammed by the weight of the sash, so that it is impossible for the sash to slide along it.

The great advantages of this invention are the perfect support it gives to the sash at any point, and also the strong lock it forms for the purpose of securing the window from being opened by intruders. It is also simple, and very easily made, all the parts being cast of some suitable metal, which renders it much cheaper than a great many of these devices which contain springs which it is necessary to temper, besides other more elaborate parts.

Now, having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a sash-supporter, the combination of the wedge C, lever E, and guide-box A, the whole constructed and operating substantially as described.

JOHN N. SAWTELL.

Witnesses:

EDW. H. HYDE,

RICHD. F. HYDE.