F. M. Hubbard,

Sash Holder.

No. 38,392. Patented May 5, 1863.

Fig. 2

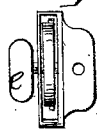
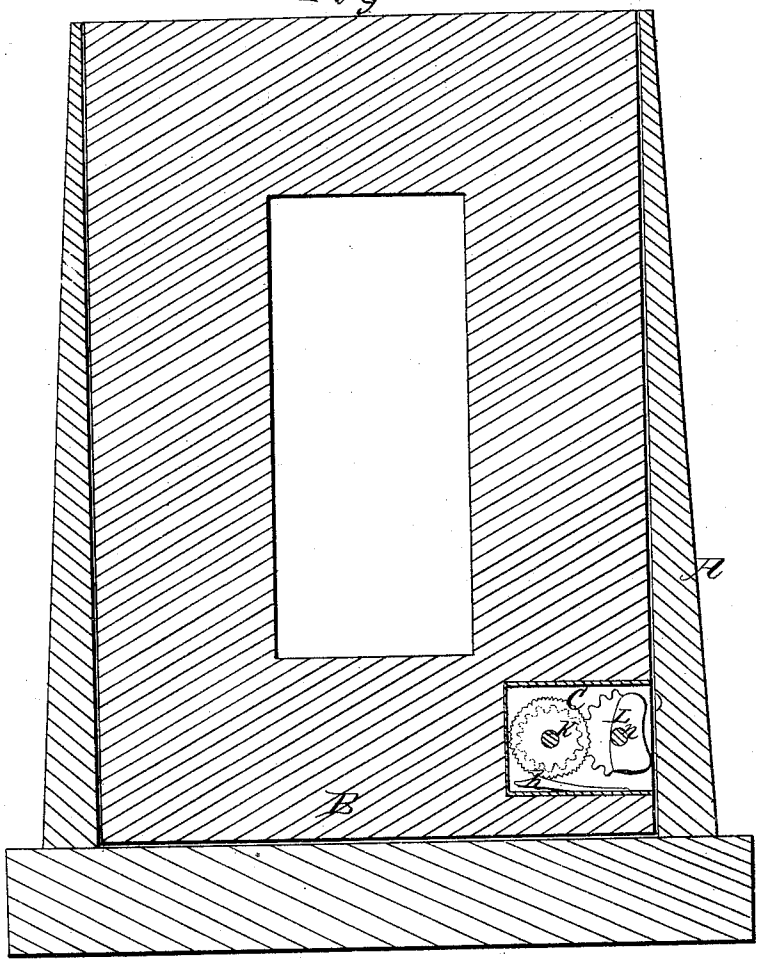


Fig. 1



Witnesses
Chas. Hayward
Jo. Clayton

Inventor
F. M. Hubbard
per C. M. Alexander Atty

AM. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS)

UNITED STATES PATENT OFFICE.

F. M. HUBBARD, OF PROTECTION, NEW YORK.

IMPROVEMENT IN SASH-FASTENINGS.

Specification forming part of Letters Patent No. **38,392**, dated May 5, 1863.

To all whom it may concern:

Be it known that I, F. M. HUBBARD, of Protection, Erie county, State of New York, have invented certain new and useful Improvements in Window-Stops; and I hereby declare that the following is a true and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The object of my invention is the construction of a simple and effectual mode of fastening a window at any required degree of elevation, and when down to secure it in that position so that any one on the outside will find it impossible to raise it.

Figure 1 in the drawings represents a vertical section of the casing and sash. Fig. 2 is a side view of the thumb-knob that operates the wheels.

The casing A is made in the ordinary way with a groove to receive the sash B.

C represents the metallic box containing the wheels.

g designates the driving-wheel, through the center of which the shaft *k* passes. To the end of *k* the knob *e* is attached.

The driving-wheel *g* is formed with cogs which work in a cone-shaped projection on the upper side of the spring *h*. The object of this spring *h* is to prevent by its pressure the driving-wheel *g* from moving too easily. On the same shaft with *g* is the small cog-wheel *k* in dotted lines. *k* is geared with the cam L, one side of which is furnished with cogs. The cam L works on the pivot *n*, and the side next to the casing is slightly concave at the center and rounded off at the upper and lower ends, so as to form two circular projections, by the pressure of which against the casing the window may be retained at any point required.

In operating my stop the cam L is acted upon by the wheel *k* until a point is reached where the cogs on L terminate. *k* can then act no further as it is arrested by the part of L next the casing, and which acts as a latch. Opposite to the upper end of the cam is a cavity made to receive it, so that when the window is down it is immovable from the outside.

The stop is operated simply by turning the knob *e* to the right or left.

Having thus described my invention, what I claim, and desire secured by Letters Patent, is—

The driving-wheel *g*, the wheel *k*, the spring *h*, the cam-wheel L, and the knob *e*, the whole arranged in the manner and for the purpose substantially as set forth.

F. M. HUBBARD.

Witnesses:

A. LYFORD,

S. C. CHENEY.