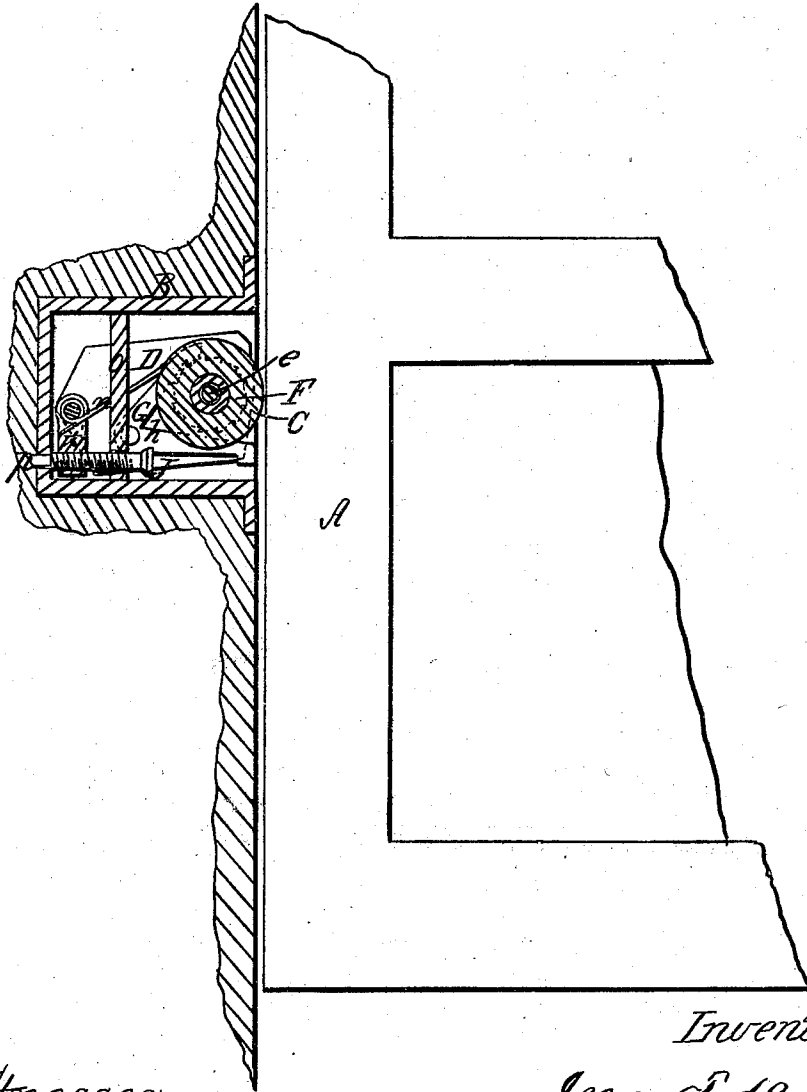


J. F. Dingee.

Sash Holder.

No. 113,275.

Patented Apr. 4, 1871.



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JOHN F. DINGEE, OF BEDFORD STATION, NEW YORK.

Letters Patent No. 113,275, dated April 4, 1871.

IMPROVEMENT IN SASH-HOLDERS.

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, JOHN F. DINGEE, of Bedford Station, in the county of Westchester and State of New York, have invented a new and improved Window-Regulator; 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 drawing forming part of this specification.

My invention relates to sash-holders, and consists in the improved combination of parts hereinafter described, and more particularly pointed out in the claim.

The drawing represents a vertical section of the sash-regulator, showing the parts of which it is composed, and the manner of its application and operation.

A represents the window-sash in red, and as seen in the drawing the lock is applied to its edge as when holding it up.

B is the case or frame of the lock.

C is the roller, which is attached to plates D by a central pivot, *e*.

F is a ratchet, which is attached to the roller C and is revolved with it.

G is a triangular-hooked ratchet-pawl, which is also attached to one of the plates D by a pivot at *h*.

The plates D are pivoted to another movable plate, *i*, through which plate the screw J passes, and in which it works.

The screw is fixed as regards its longitudinal motion, one of its bearings upon which it revolves being in the vertical bar *o*, and the other, or its end, having a bearing in the frame B, as seen in the drawing at *p*.

It will be seen that, as the screw works in the plate or stud *i*, upon revolving or turning the screw the

plate D and the roller will be moved out or in, and thereby the roller will be made to bear more or less against the sash. This adjustment is necessary to adapt the lock to sashes of different size or weight.

When the sash is being raised the hooked pawl G will not act on the ratchet to hold it, as seen, as at a certain point the ratchet is thrown out of reach of the pawl; but when the weight of the sash brings the down pressure on the roll the ratchet-teeth are thrown into the hooked pawl, as represented in the drawing.

The roller C is made of rubber or some elastic material, so as to create the necessary friction when it is pressed against the sash. Being prevented by the ratchet and pawl from turning when pressed downward by the sash, the friction thus created holds the sash in any desired position.

n is a spring, which bears against the pawl to press it down so as to engage with the ratchet, as seen.

This sash-regulator may be applied to the sashes of any window, thus affording all the conveniences for sustaining the sashes in any desired position that can be derived from the expensive box window-frame with its weights, pulleys, and cords.

Having thus described my invention,

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

The pivoted roller C, ratchet F, and spring-hook pawl G *n*, combined as described with pivoted plates D, movable plate *i*, and swiveled screw J, for the purpose specified.

JOHN F. DINGEE.

Witnesses:

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