

October 17, 1913.

DRAWING

7,254

A careful search has been made this day for the original drawing or a photolithographic copy of the same, for the purpose of reproducing the said drawing to form a part of this book, but at this time nothing can be found from which a reproduction can be made.

Finis D. Morris,

Chief of Division E.

AWK

UNITED STATES PATENT OFFICE.

SETH E. WINSLOW, OF KENSINGTON, PENNSYLVANIA.

SPRING-INCLINED PLANE AND ROLLER-SASH STOPPER.

Specification of Letters Patent No. 7,254, dated April 2, 1850.

To all whom it may concern:

Be it known that I, SETH E. WINSLOW, of Kensington, in the county of Philadelphia and State of Pennsylvania, have invented a new and Improved Method of Sustaining a Window-Sash in Any Desired Position by Means of a Roller and a Spring of a Peculiar Form; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

The nature of my invention consists in providing a roller of about one half inch in diameter, and nearly the same in length, which is laid upon a metal spring of about six inches in length, and in width equal to the length of the roller. The spring is straight more than half its length; it then has an offset at nearly right angles equal to one half of the diameter of the roller; it then is bent from the line of the spring outward to about twenty-two degrees, so as to form an inclined plane, and it is turned up at the end at a right angle with the body of the spring. In this depressed part of the spring, or inclined plane, is placed the roller by means of a slide, an axle passing through the roller and attaching it to the slide, so that, when it is set in the window sash, it operates, in raising the sash, as a friction roller by rolling toward the bent end of the spring, but in lowering the sash, it operates as a wedge or dog, rolling toward the offset, or up the inclined plane, so as to prevent the window-sash from falling.

To enable others skilled in the art to make and use my invention I will proceed to describe its construction and operation.

First I turn a roller of wood or metal, and bore or drill it through its axis, marked A. Secondly, I cut a tapering spring, marked B out of metal, steel generally. I then bend the spring so as to form an offset near the middle of it, with a depression, or plane inclined, outward from the line of the body of the spring, at an angle of about twenty two degrees marked C, and I then turn up the end of the spring as seen in the drawing. Thirdly I make a slide marked D of thin metal and attach it to the roller by a pivot or axle passing through its axis, placing the depressed part of the spring between the roller and the body of the slide. This being done I screw the spring either to the edge of the window-sash, or to the window frame opposite the edge of the sash and bearing against the same. The whole being thus adjusted, the operator has only to raise or lower the window sash at his pleasure and he will find it to remain in any desired position.

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

The depressed form of the spring, or inclined plane as I have called it, and the roller so adjusted to this depression by the slide, that in raising the window sash, it operates as a friction roller, but in lowering the window sash it operates as a dog to keep it from falling, substantially as described above.

SETH E. WINSLOW.

Witnesses:

FRANCIS W. McBRIDE,
WM. RANEY,
DANIEL MYERS.