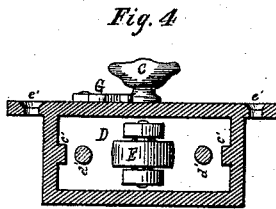
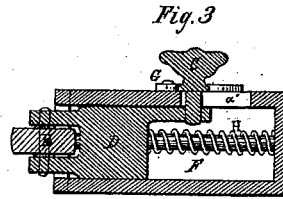
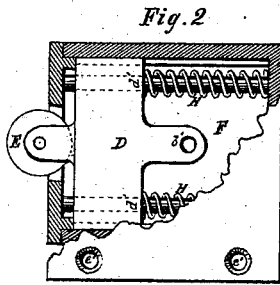
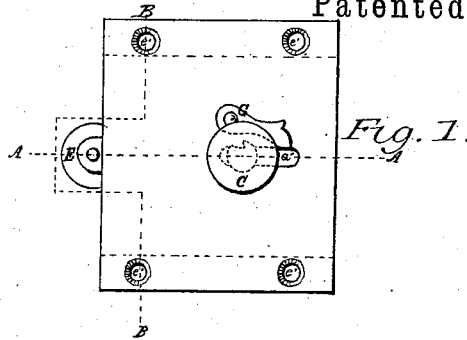


(Model.)

J. E. DOHEN.  
WINDOW SASH HOLDER.

No. 299,525.

Patented June 3, 1884.



WITNESSES:

*John H. Alenroth*  
*W. McHugh*

INVENTOR:

*John E. Dohen*

# UNITED STATES PATENT OFFICE.

JOHN E. DOHEN, OF CHARLESTON, SOUTH CAROLINA.

## WINDOW-SASH HOLDER.

SPECIFICATION forming part of Letters Patent No. 299,525, dated June 3, 1884.

Application filed June 8, 1883. (Model.)

*To all whom it may concern:*

Be it known that I, JOHN E. DOHEN, of Charleston, county of Charleston, and State of South Carolina, have invented a new and useful Window-Sash Spring Stop Roller, of which the following is a specification.

The invention relates to the raising and lowering of sashes in a window-frame. Heretofore such sashes have frequently been controlled by means of weights connected with the sash by cords moving over pulleys connected with the window-frames.

The object of my invention is to provide a simple and more convenient method of arranging the spring-rollers in sashes without weights.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is the front view of my invention. Fig. 2 is the front view of same with part of the front plate broken off, so as to show the construction of the interior. Fig. 3 is a section of the same through the line A A, Fig. 1. Fig. 4 is a section of the same through the line B B, Fig. 1. It is applied one on each side of the sash, and mortised in flush with the front and side of the sash.

The invention consists of a rubber or other wheel attached to a slide, the said slide moving on posts and grooves in a box and held in

position by springs around the posts, and combined with a small knob connected with the slide from the outside and moving in a slot. This knob is used to draw the slide back, thus bringing the wheel all the way into the box, which is held there by a catch. This is for convenience in putting in or taking out the sash.

C is the knob, running through the slot *a'* and connecting with the slide D at *b'*.

D is the slide, with rubber or other wheel, E, attached and running in box F on grooves *e'* and posts *d'*, and held in place by the springs H.

The catch G is used to hold the knob when it is drawn back.

*e'* are the screw-holes for fastening the invention onto the sash.

What I claim is—

The combination of the slide D, having rubber or other wheel, E, and compressed into place by the springs H, the whole inclosed in box F, with a knob, C, connecting with the slide D and running in the slot *a'*, and the catch G, as and for the purpose specified.

JOHN E. DOHEN.

Witnesses:

JOHN H. KLEMROTH,  
J. S. MCHUGH.