

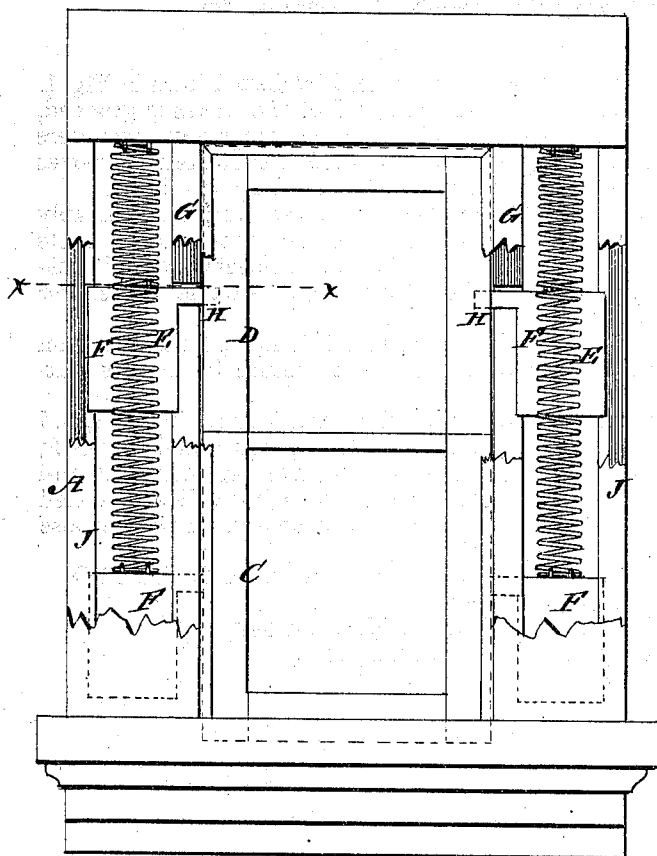
R. L. YOUNG.

Improvement in Window Sash Supporter.

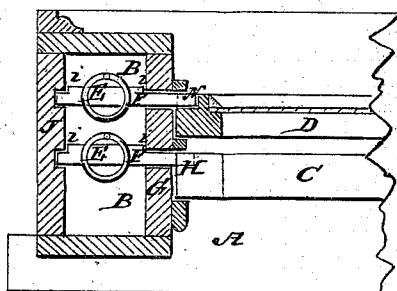
No. 124,528.

Patented March 12, 1872.

*Fig. 1.*



*Fig. 2.*



Witnesses:

E. Wolff.  
Francis McArdle.

Inventor:

R. L. Young  
PER M. M. M. M.  
Attorneys.

## UNITED STATES PATENT OFFICE.

RALPH L. YOUNG, OF NORTH TOPEKA, KANSAS.

## IMPROVEMENT IN WINDOW-SASH SUPPORTERS.

Specification forming part of Letters Patent No. 124,528, dated March 12, 1872.

Specification describing certain Improvements in Suspending Window-Sashes, invented by RALPH L. YOUNG, of North Topeka, in the county of Shawnee and State of Kansas.

The invention will first be fully described and then clearly pointed out in the claim.

In the accompanying drawing, Figure 1 represents a sectional front view of a window with the sashes supported and operated according to my invention. Fig. 2 is a horizontal section taken on line *x x*.

Similar letters of reference indicate corresponding parts.

A is the window-frame, which has boxes B on each side. C is the lower sash, and D the upper sash. E represents spiral springs, which are securely attached to the frame at the top of the boxes at their upper ends, and to guide-blocks F at their lower ends. The inner portion G of the boxes is slotted, and a portion of each of the blocks H projects through G and into the sash-grooves. This portion H engages with the sashes by entering a recess or cavity

therein, as indicated by dotted lines in Fig. 1. The outer portion J of the boxes is grooved, as seen in Fig. 2. The blocks have shoulders *i*, by which they are kept in the slots and grooves as the sashes are worked up and down.

This arrangement is very simple and cheaply made. The springs are much more durable than cords. They work noiselessly, and nothing connected with them is liable to break or get out of order.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with frame A, boxes B, and sashes C D, of spiral springs E and blocks F, when said blocks F have projections H and shoulders *i*, and the said boxes B are slotted at G and grooved at J, as and for the purpose described.

RALPH L. YOUNG.

Witnesses:

JOHN R. MACKINTOSH,  
A. B. McCABE.