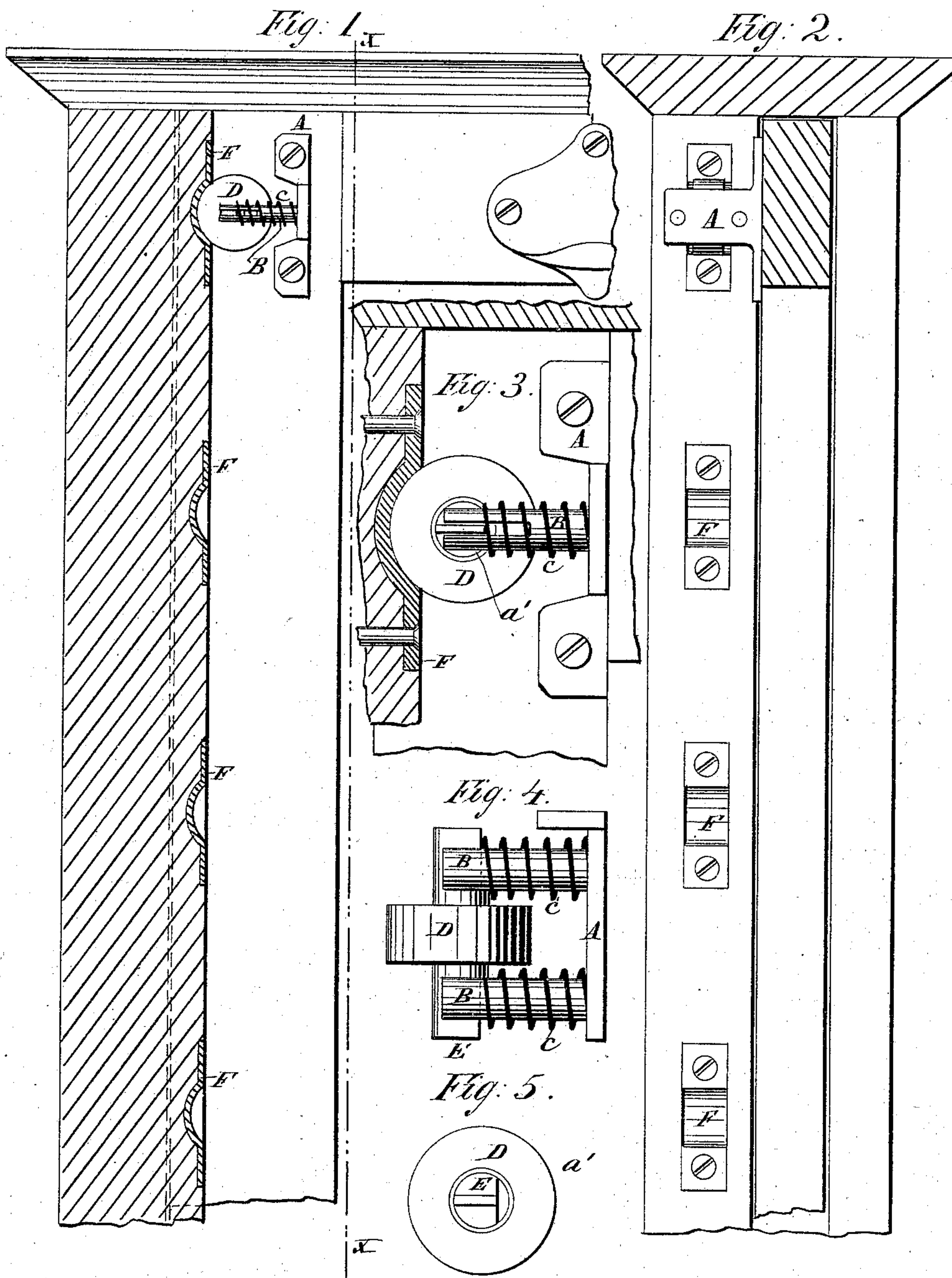


J. S. BLINN.
Sash-Holder.

No. 217,049.

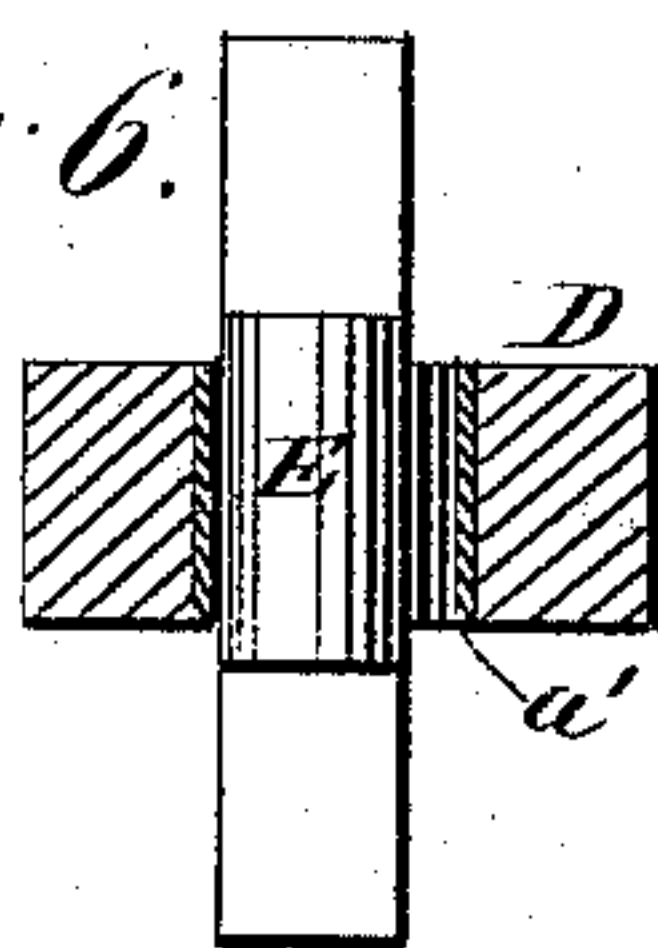
Patented July 1, 1879.



WITNESSES:

Achilles Schuchl.
C. Sedgwick

Fig. 6.



INVENTOR:

BY

J. S. Blinn
Munn
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOSEPH S. BLINN, OF NEW HAVEN, CONNECTICUT.

IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. **217,049**, dated July 1, 1879; application filed March 1, 1879.

To all whom it may concern:

Be it known that I, JOSEPH S. BLINN, of the city of New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Sash-Holders, of which the following is a specification.

An important object of this invention is to provide a self-adjusting window-sash holder that may be readily applied to a window without changing the construction of the sash, or even removing it from the window-frame, so that any unskilled person may put it into use.

Another object of my invention is to provide a sash-holder which will preclude the sash to which it is applied from rattling.

The invention consists in the combination of a bracket, parallel arms extending from said bracket, and provided at their outer extremities with slot-like bearings, a shaft having its ends tenoned to fit the slot-like bearing in said arms, springs surrounding said arms and impinging against said shaft, and a roller mounted loosely upon said shaft, in combination with a recessed stop, whereby, in addition to holding the sash in different vertical positions, it will hold it against rattling.

Figure 1 is a side view of the holder attached to the window-sash. Fig. 2 is a vertical section on line *x x*, Fig. 1. Fig. 3 is an enlarged view of holder, showing a portion of the sash in section. Fig. 4 is a top view of the holder. Fig. 5 is an end view of the roller. Fig. 6 is a longitudinal section of roller and shaft.

A designates a bracket, consisting of a base-plate, adapted to be secured by screws or otherwise to the front or inner face of a window-sash, and a body-piece extending outward from such base-plate.

B designates arms extending from the body-piece of such bracket A, parallel with each other and with the front of the window-sash.

C designates spiral springs encircling the arms B, and bearing against a non-rotating shaft or arbor, E, whose ends are provided with flat tenons, which fit in slots or notches in the ends of the arms B.

D designates a roller, of rubber or other elastic material, furnished with a central metallic tube or sleeve, *a'*, fitting loosely on the shaft or arbor E, so that the wheel or roller may revolve thereon.

F designates stops, consisting of recesses in

the side of the stop-bead of the window and face-plates set into such recesses, so that their outer faces are flush with the face of the stop-bead. They may be held in place with screws or other suitable devices. These stops are of the same width as or a little wider than the roller, and present a deep concavity corresponding with the convexity of the roller.

When the bracket and its attachments carrying the roller are secured in position upon the window-sash, as shown, the spiral springs C C, operating against the ends of the shaft E, press and hold the roller in the stop F, so that the window-sash is held at any desired height, and at the same time prevented from rattling and shaking.

The stops and all the other parts of the sash-holder are intended to be made of brass or other metal.

It will be seen that by my invention I produce a self-adjusting sash-holder wherein a roller, forming the part which operates in holding the sash or the springs actuating it, may be readily removed and replaced when necessary, or to adapt the sash-holder the better for any particular sash; also, that such sash-holder is very simple, by reason of the arms serving to support the roller, and also support the springs whereby the roller is forced outward to engage with the stops, and, furthermore, by reason of the employment of a non-rotating shaft or arbor for the roller, thus adapting the springs which force the roller outward to bear directly upon the said shaft without the intervention of other devices.

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

In a sash-holder, the combination of a bracket, parallel arms extending from said bracket, and provided at their outer extremities with slot-like bearings, a shaft having its ends tenoned to fit the slot-like bearings in said arms, springs surrounding said arms and impinging against said shaft, and a roller mounted loosely upon said shaft, in combination with a recessed stop, substantially as described, whereby, in addition to holding the sash in different vertical positions, it will hold it against rattling.

JOSEPH SYLVESTER BLINN.

Witnesses:

T. A. BARNES,

JOHN L. BLINN.