

No. 7,071.

PATENTED FEB. 5, 1850.

J. MAYNARD.
FRICTION ROLLER SASH SUPPORTER.

Fig 1.

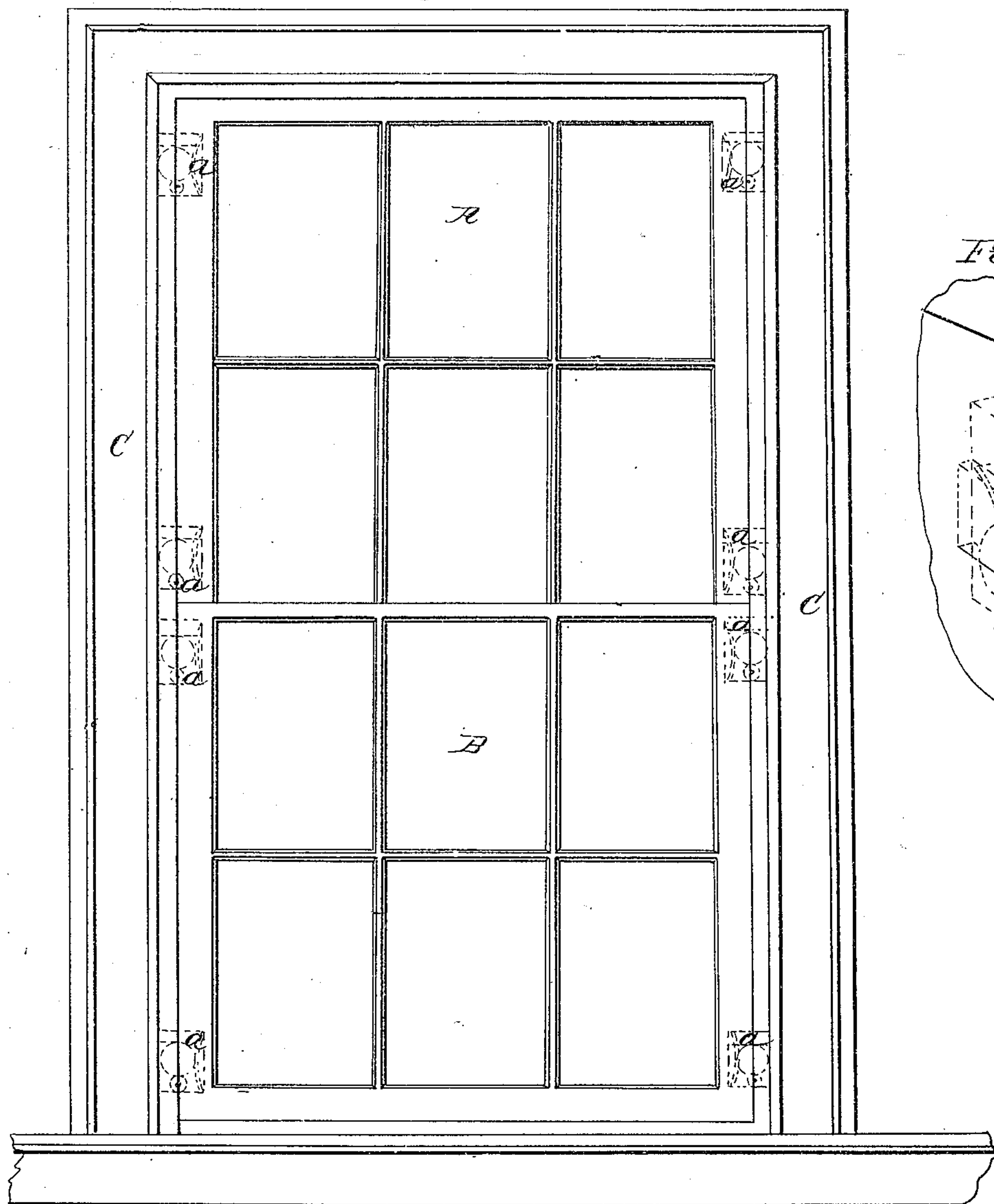
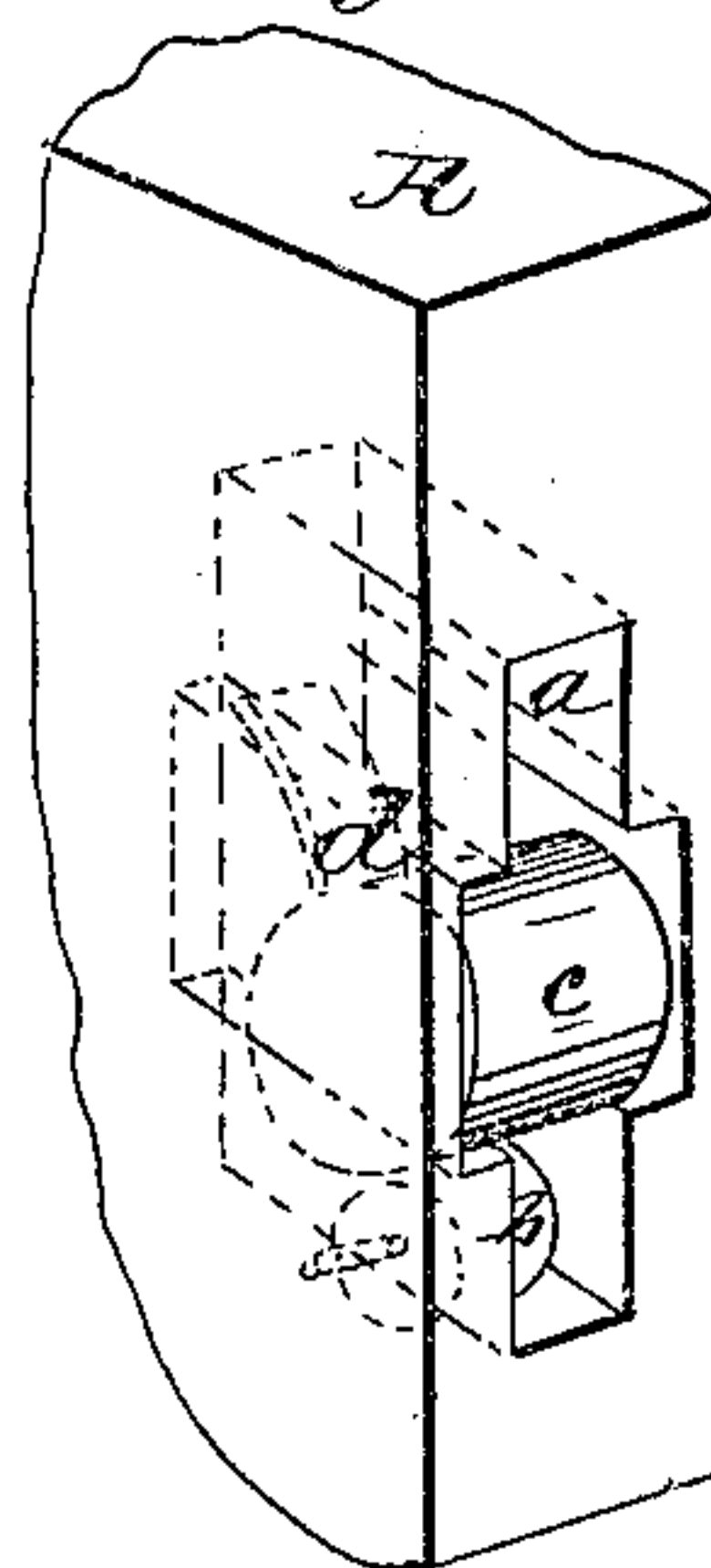


Fig 2.



UNITED STATES PATENT OFFICE.

JOSEPH MAYNARD, OF PHILADELPHIA, PENNSYLVANIA.

FRICTION-ROLLER SASH-FASTENER.

Specification of Letters Patent No. 7,071, dated February 5, 1850.

To all whom it may concern:

Be it known that I, JOSEPH MAYNARD, of the city and county of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Sash-Stops, of which the following is a full, clear, and exact description, reference being had to the annexed drawing, which forms part of this specification, and in which—

Figure 1 represents an elevation of a window with my sash-stop attached to the sashes, and Fig. 2, is a perspective view of a portion of one of the sashes, in which the sash-stop is imbedded.

My invention consists in fitting each sash of a window with friction rollers let into its edges and pressed by springs against the window frame, the rollers being so arranged that while they turn freely and offer no hindrance to the raising of the sash, yet when the sash is raised, they bind in their sockets so tightly that the friction engendered prevents it from descending by its own weight.

In the drawing A and B represent the upper and lower sashes of a window with their window frame C. Each sash has four sockets *a*, mortised into its edges; a small friction wheel *b*, Fig. 2 is introduced in the lower part of each socket and turns upon a pivot made fast in the sash. A loose friction roller *c*, is inserted above the fric-

tion wheel and is pressed outward by a spring *d*, in the back of the socket. When the sash is raised, the roller *c*, bearing against the friction wheel *b*, turns easily on its axis, and offers no hindrance to the raising of the sash; when the hand is withdrawn from the raised sash, the latter tends to descend by its own weight, but this tendency is counteracted by the friction rollers, which bearing now against the upper shoulders of the socket are prevented from turning by the friction there engendered, and the friction of their stationary barrels against the window frame prevents the sash from descending by its own weight without the application of extraneous force. If a spring of a single leaf is not strong enough more leaves may be added until the requisite strength is attained.

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

The combination of the loose roller, spring, and friction wheel, applied to the window sash, as herein set forth, whereby the sash is held in any position to which it may be raised.

In testimony whereof I have hereunto signed my name.

JOSEPH MAYNARD.

Witnesses:

WM. D. WASHINGTON,
P. H. WATSON.