

Improvements in Window Sash -

John S. Merrill
Inventor.

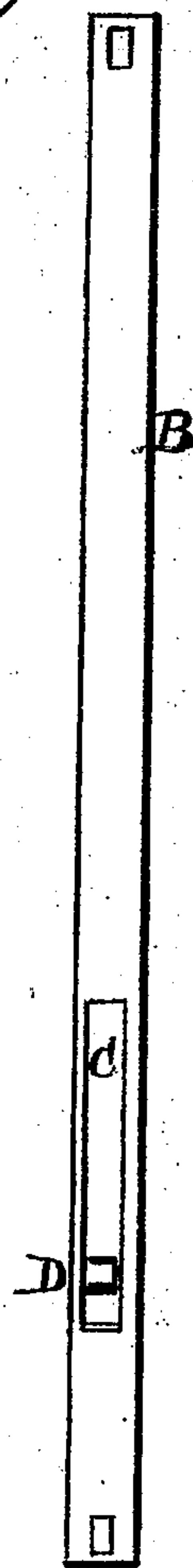
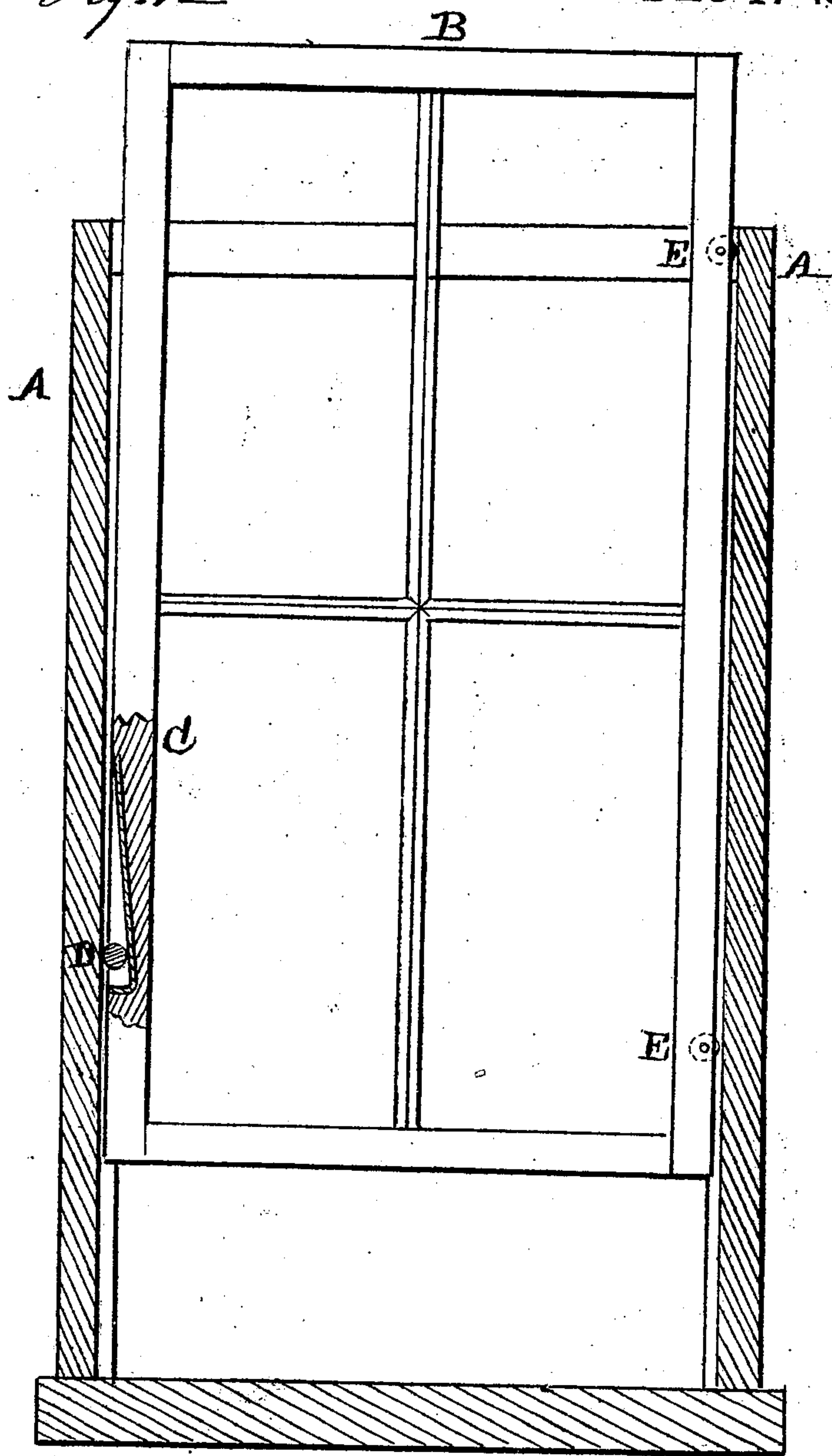
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PATENTED

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Fig. 1.

Fig. 2.



Witnesses.

S. S. McQuesten
G. B. Fowler

John S. Merrill
By his Atty -
J. F. Reigart

United States Patent Office.

JOHN S. MERRILL, OF NEWTOWN, MARYLAND.

Letters Patent No. 72,814, dated December 17, 1867.

IMPROVEMENT IN WINDOW-SASH SUPPORTERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN S. MERRILL, of Newtown, Worcester county, State of Maryland, have invented new and useful "Improvements in Window-Sash;" and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 represents the front view of window-frame, sash, and rollers.

Figure 2, a side view of the sash, metallic box, and loose roller.

The nature of my invention consists in the combination and construction of the inclined metallic box or plate, with a loose metallic roller or metallic ball in the one side of the sash, and friction-rollers on the opposite side of the sash.

A represents the window-frame, B the window-sash, in the side of which is inserted an inclined metallic box or plate, C, to prevent the sash from being worn by the loose roller, D, the lower end of the box C being wide below and tapering to the top, the metallic loose ball or roller D resting in the lower end of the metallic box C, so that the sash is easily raised; and whenever the sash is to be raised to any particular height required, the sash is pressed toward the right, and the loose roller D falls from the narrow end to the bottom of the metallic box C. By raising the sash slightly, and pressing the sash to the left, the loose roller D is pressed against the window-frame A tightly, and holds the sash to the position required, by becoming wedged into the narrow part of the inclined metallic box C. Two friction rollers, E E, are set into, and operated, and used in the opposite side of the sash, to allow the sash to be freely moved when being raised.

I do not claim a self-acting roller or friction-rollers, as heretofore used with window-sash, but

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

The use of the self-acting metallic roller D, in combination with the inclined metallic box C, in the one side of the sash, and two friction-rollers, E E, attached to the opposite side of the sash, when arranged, combined, and operating with the sash, as herein described and for the purposes set forth.

JOHN S. MERRILL.

Witnesses:

J. FRANKLIN REIGART,

J. H. MERRILL.