

*J. Warren,
Sash Holder.*

N^o 39,513.

Patented Aug. 11, 1863.

Fig. 5

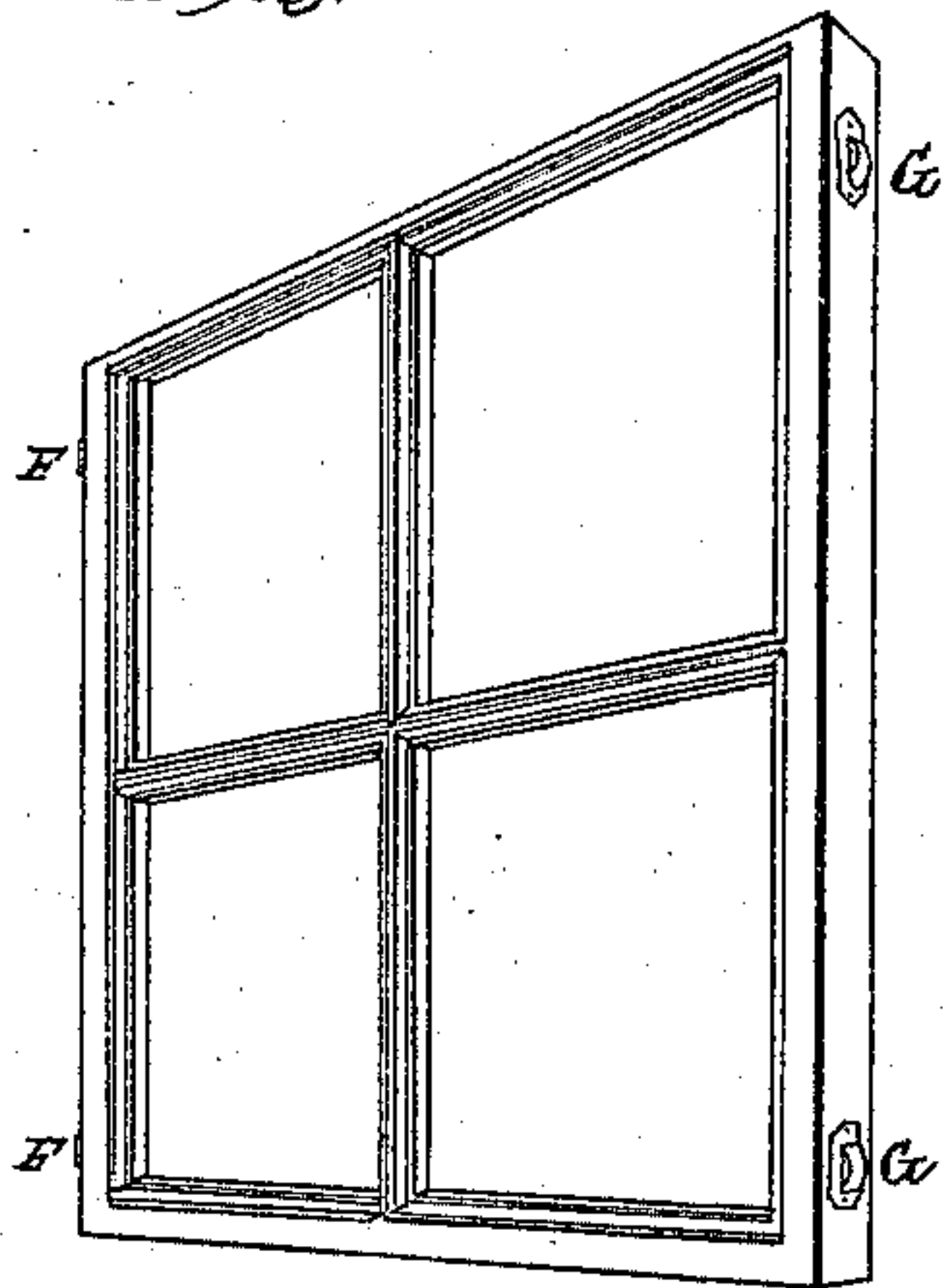


Fig. 4



Fig. 2

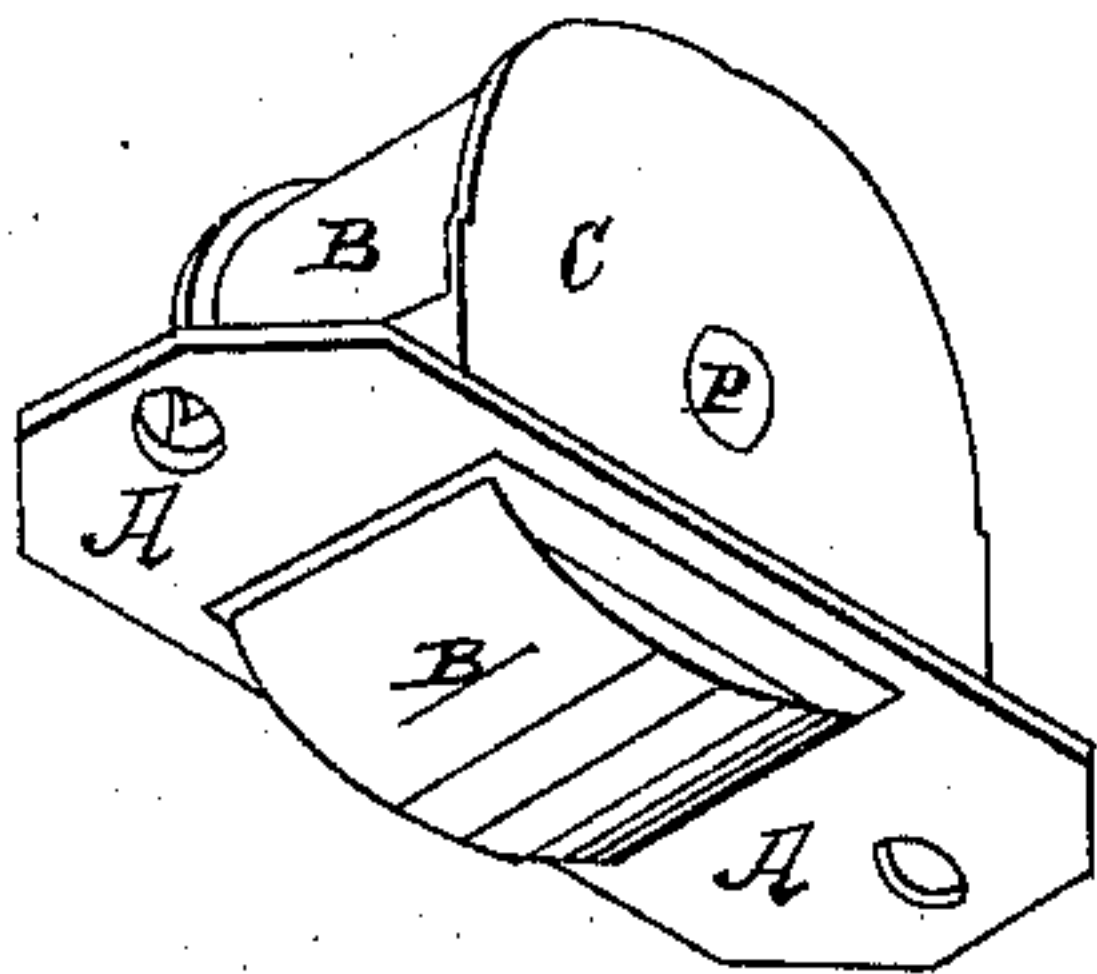


Fig. 1

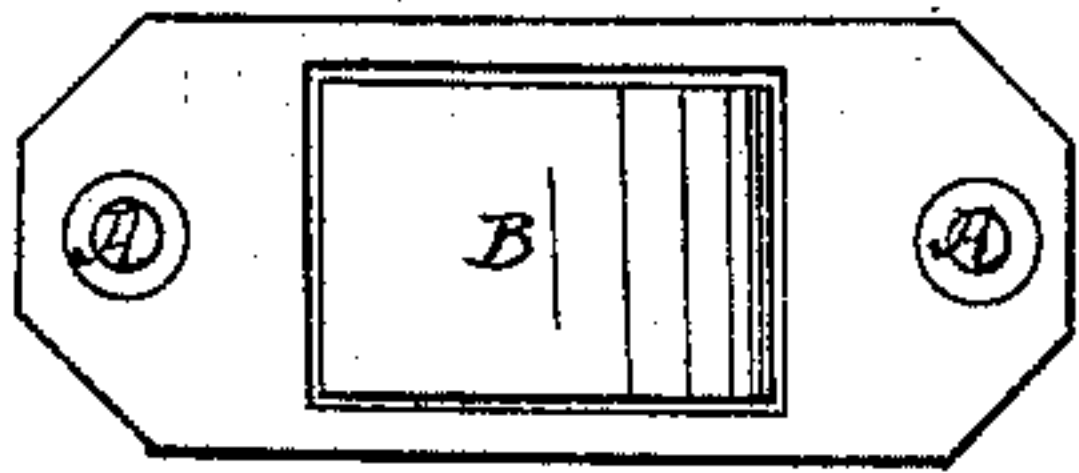
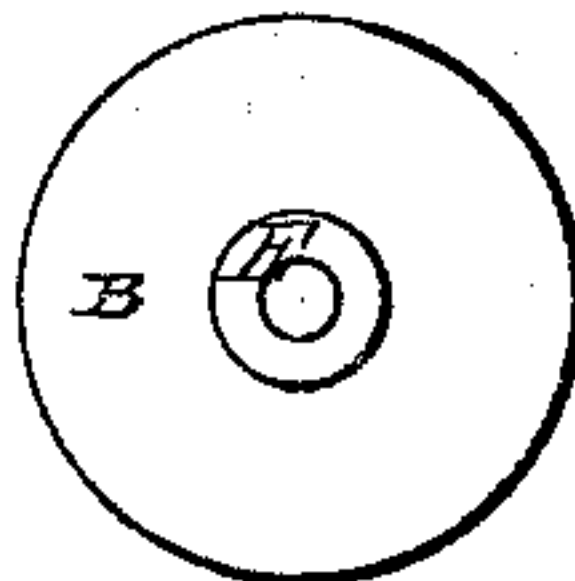


Fig. 3



*Witnesses:
J. Romaine Brown
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*Inventor:
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UNITED STATES PATENT OFFICE.

JAMES WARREN, OF NEW YORK, N. Y.

IMPROVEMENT IN WINDOW-SASH STOPPERS.

Specification forming part of Letters Patent No. 39,513, dated August 11, 1863.

To all whom it may concern:

Be it known that I, JAMES WARREN, of the city, county, and State of New York, now residing at No. 32 West Fortieth street, in said city, have invented a new and useful machine named a "window-sash stopper," and used to retain the sash in any desired position and preventing the sash from shaking in any current of air; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 represents the frame; Fig. 2, the entire machine in perspective; Fig. 3, the roller, the core, and its eye; Fig. 5, the sash in perspective, with the machine inserted on the one edge and strips of ivory on the other; Fig. 4, an end view of the sash with the machine and the ivory inserted.

The frame, Fig. 1, is made of cast-iron or brass; letters A and B, the aperture for the reception of the roller, Fig. 3.

In Fig. 2, A A represent the frame; B, the

roller; C, the hood, and D the pin passing through the eye.

The roller, Fig. 3, is cast of india rubber, is about an inch in diameter and three-fourths of an inch wide, B, and the metallic core and eye, E.

Fig. 5 represents the insertion of the machine in one edge of the sash G G and the ivory F F in the other.

Fig. 4 represents the end of the sash *in situ*, and the insertion of the machine G and the ivory F. The ivory strips mentioned are one-half an inch wide and over one-eighth of an inch thick, and the length corresponds with thickness of the style of the sash, and its use is to obviate undue friction.

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

The combination of the whole of the above-described machinery and its appropriation to the purposes herein specified.

Witnesses: JAMES WARREN. [L. S.]
J. ROMAIN BROWN,
C. LEHMAN.