

F. J. HOYT.
Sash-Tightener.

No. 214,568.

Patented April 22, 1879.

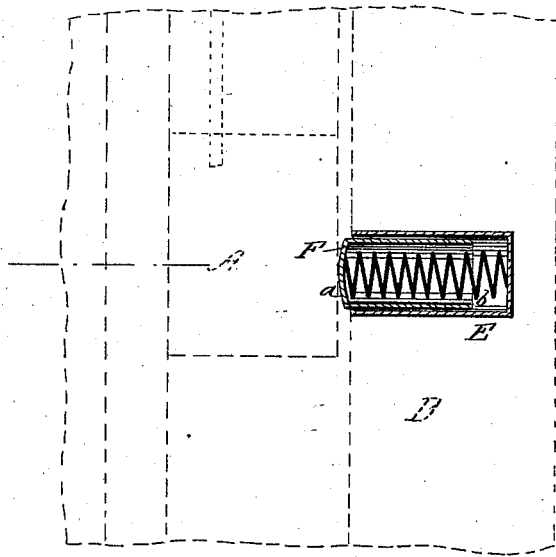
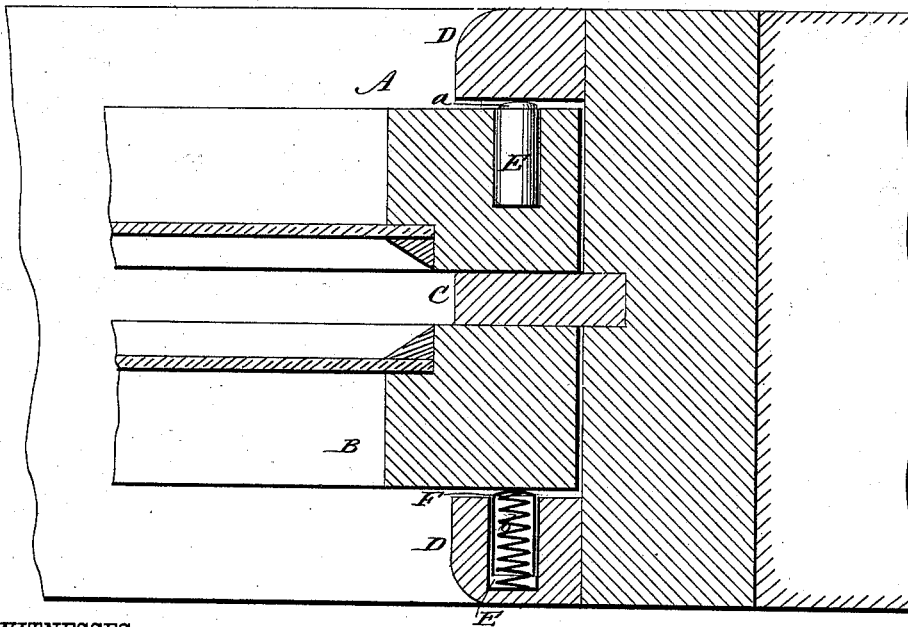


Fig. 1



WITNESSES:

C. Neveu
v. Sedgwick

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UNITED STATES PATENT OFFICE.

FREDERICK J. HOYT, OF NEW YORK, N. Y.

IMPROVEMENT IN SASH-TIGHTENERS.

Specification forming part of Letters Patent No. **214,568**, dated April 22, 1879; application filed August 8, 1878.

To all whom it may concern:

Be it known that I, FREDERICK J. HOYT, of New York, in the county and State of New York, have invented a new and Improved Sash-Tightener, of which the following is a specification.

Figure 1 is a longitudinal section of my improved sash-tightener. Fig. 2 is a horizontal section of a portion of a window and window-frame, showing an application of my improvement.

Similar letters of reference indicate corresponding parts.

The object of my invention is to provide a cheap and efficient device for stopping the rattling of windows.

The invention consists in a cylindrical socket, to which is fitted a spring-acted follower having a round end. The cylindrical socket is inserted in the window-stop or in the stile of the sash, and exerts sufficient pressure to keep the sash in contact with the parting-strip.

Referring to the drawings, A and B are window-sashes, C the parting-strip, and D D the stops. E is the cylindrical socket, which is preferably made of sheet metal, and the follower F, which is also made in cylindrical

form of sheet metal, is fitted to the socket and has a rounded end, *a*, which bears against the stop or sash when the tightener is in use. The socket contains a spiral spring, *b*, which extends into the follower and passes it outward.

The sash-tightener is applied to the window by boring a hole in the window-stop or in the stile of the sash, and driving into it the socket E. The follower is forced outward against the window-sash or against the window-stop, and prevents the rattling of the window and the entrance of wind between the parting-strip and the sash.

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

A sash-tightener consisting of two sheet-metal tubes, closed at one end, and adapted to slide one within the other, the closed end of the inner tube being forced against the sash by means of a coiled spring contained within it, as shown and described.

FREDERICK J. HOYT.

Witnesses:

GEO. M. HOPKINS,
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