

T. J. Gifford,

Vault Cover.

No. 113759.

Patented Apr. 18. 1871.

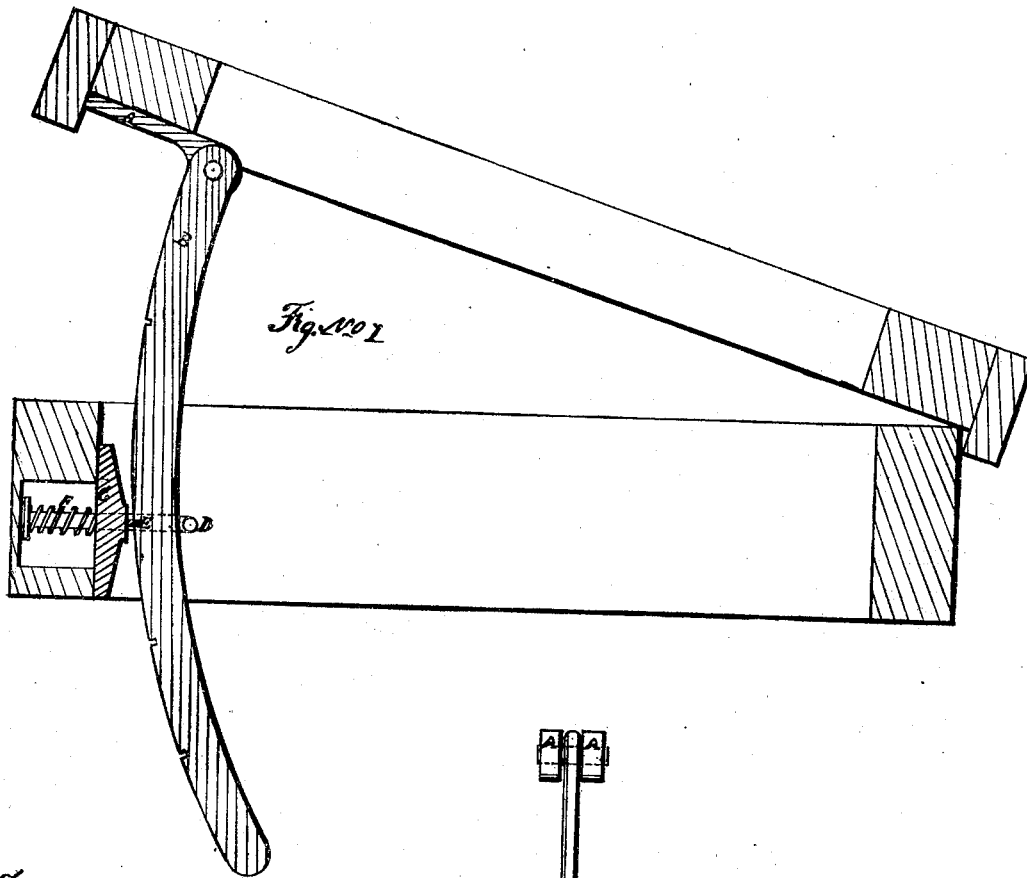


Fig. No 1

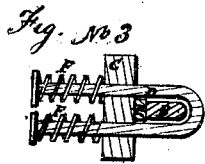


Fig. No 3



Fig. No 4

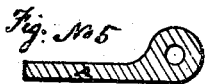
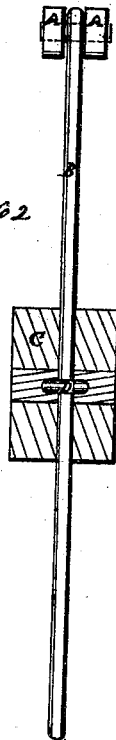


Fig. No 5

Fig. No 2



Witnesses.
J. S. Foster.
Fred. C. Leane.

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United States Patent Office.

THOMAS J. GIFFORD, OF SALEM, MASSACHUSETTS.

Letters Patent No. 113,759, dated April 18, 1871.

IMPROVEMENT IN SCUTTLE FASTENINGS.

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

I, THOMAS J. GIFFORD, of Salem, in the county of Essex and State of Massachusetts, have invented an Improved Scuttle-Fastener, of which the following is a specification.

This invention relates to an improved mode of fastening scuttles, so arranged that the scuttle may be opened to different heights and fastened; and, also, when closed, will automatically fasten itself.

Figure 1 is a side elevation of this invention applied to a scuttle, partly raised.

Figure 2 is an end sectional view of the same.

Figure 3 is a horizontal section, showing the sliding band or staple, with springs attached, and stationary catch.

Figure 4 is a horizontal, and

Figure 5 a vertical elevation of the part attached to the scuttle, and to which the curved bar is attached.

The four principal parts are composed of malleable iron, or other suitable material, and consist—

First, of a piece, A, with two ears, to which the curved bar is hinged;

Second, the curved bar B, which is made of suitable length, having a number of notches cut in the edge, which rub against the stationary catch;

Third, the catch C, which is attached to the window-frame, and has a projection which fits into the notches in the curved bar; and

Fourth, the sliding staple D which encircles the curved bar and slides in two holes in the stationary catch, and has a spiral spring, F, upon each end.

The operation is as follows:

When the scuttle is to be raised the end of the curved bar is drawn from the catch and raised as desired, the springs upon the staple keeping the bar in any position placed.

When the scuttle is closed the notch in the bar is so placed as to fit the catch and securely fasten it.

Having thus described my invention,

I claim—

In combination with the hinged frame, the curved and notched bar B, stationary catch C, and U-shaped sliding bar D, with springs F F, the bar B passing through the bar D and acting as a guide for the same, all as set forth.

THOMAS J. GIFFORD.

Witnesses:

J. S. FOSTER,
FRED C. CONE.