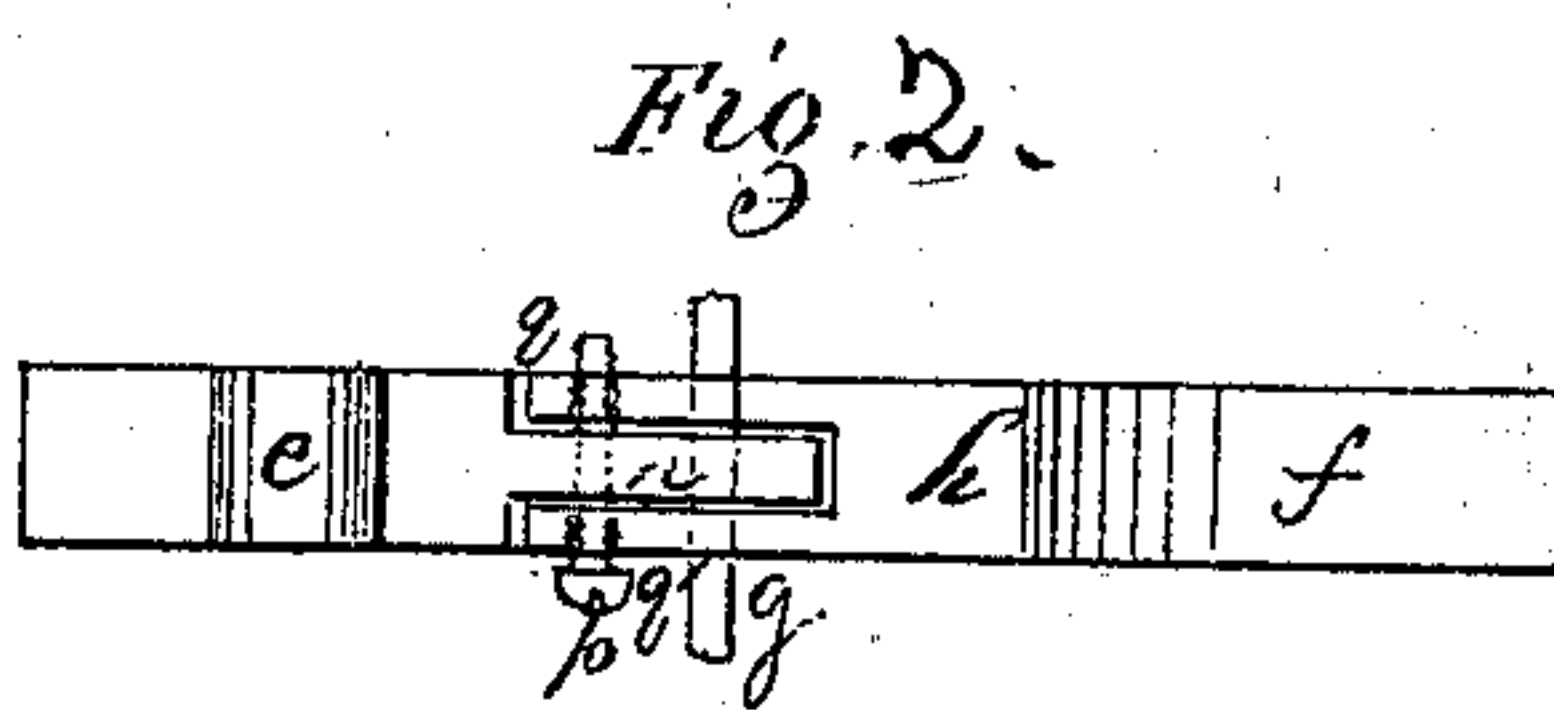
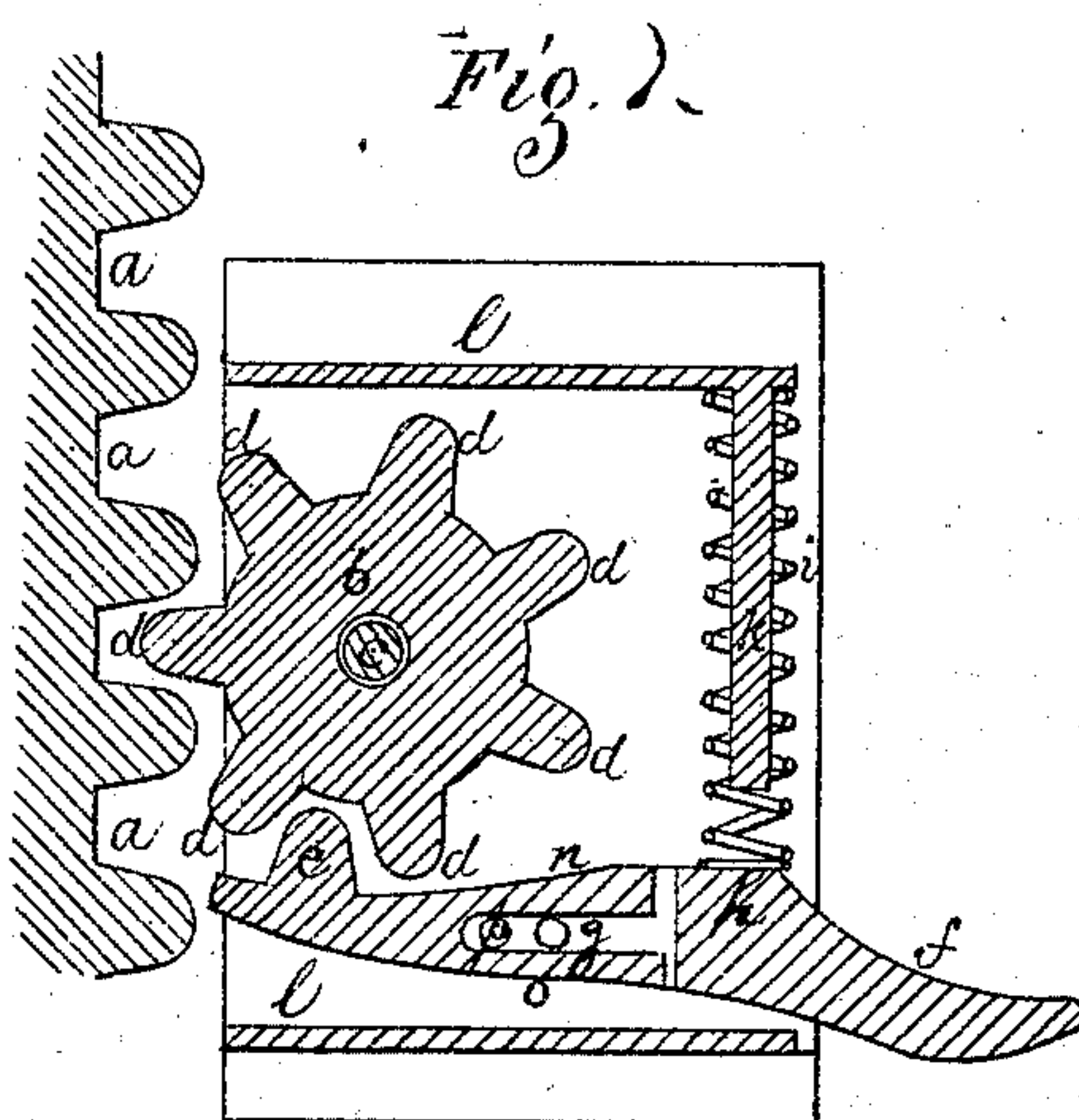


SYLVANUS H. SHAW.

Improvement in Sash Holders.

No. 120,334.

Patented Oct. 24, 1871.



Witnesses.

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D. A. Johnson

Inventor
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Carrd D. Wright.

UNITED STATES PATENT OFFICE.

SYLVANUS H. SHAW, OF LYNN, MASSACHUSETTS.

IMPROVEMENT IN SASH-HOLDERS.

Specification forming part of Letters Patent No. 120,334, dated October 24, 1871.

To all whom it may concern:

Be it known that I, SYLVANUS H. SHAW, of Lynn, in the county of Essex and State of Massachusetts, have invented certain Improvements in Sash-Supporters and Fasteners, of which the following is a specification:

Figure 1 in the drawing represents a sectional elevation, and Fig. 2 a top view of the extensible lever.

This invention relates to that class of sash-fasteners which employs a spur-gear placed within a case in the window-frame and engaging with a rack attached to the edge of the sash, said spur-gear being controlled by means of a spring-pawl; and the invention consists in the combination, with such a case and gear, of a spring-pawl made extensible for a purpose hereinafter specified.

a a in the drawing is a rack attached to a window, engaging with which is a wheel, *b*, turning on a pivot, *c*, and formed with cogs *d d d d*, &c., in which engages a tooth, *e*, formed on one end of a pawl, *f*, turning on a pivot, *g*, and formed with a shoulder, *h*, that serves as a step for a spiral spring, *i*, working on a stem, *k*, attached to the top of a box or frame, *l l*, which has a finger-bar, *m*, formed on its side. The pawl *f* is arranged with arms *n o*, between which passes a screw, *p*,

that operates in a female-screw formed in arms *q q'*, so as to allow the ratchet end *e* to be lengthened or shortened for the purpose of connecting the pawl *e* with and holding fast the cogs *d d d*, &c., of the wheel *b* in any position they may happen to be when the top sash is tightly closed.

This modification is applicable, chiefly, to the top sash of windows, and in case that when the window is tightly closed the cogs *d d d*, &c., should not be brought in a proper position to admit of the pawl *e* engaging with them, the screw *p* is loosened and the adjustable end of the pawl *e* is extended sufficiently to bear against and hold the cogs *d d d*, &c.; the screw *p* is then tightened and the sash is thus securely fastened.

Having thus described my improvements, what I claim as my invention, and desire to have secured to me by Letters Patent, is—

The combination of the case *a*, gear *b*, arm *k*, spring *i*, pawl *f* formed with the arms *n o* and *q q'*, and screw *p*, all arranged as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SYLVANUS H. SHAW.

Witnesses:

SAML. M. BARTON,
CARROLL D. WRIGHT.

(24)