

G. EDWARDS.

FASTENERS FOR THE MEETING-RAILS OF SASHES.

No. 177,485

Patented May 16, 1876.

Fig. 1.

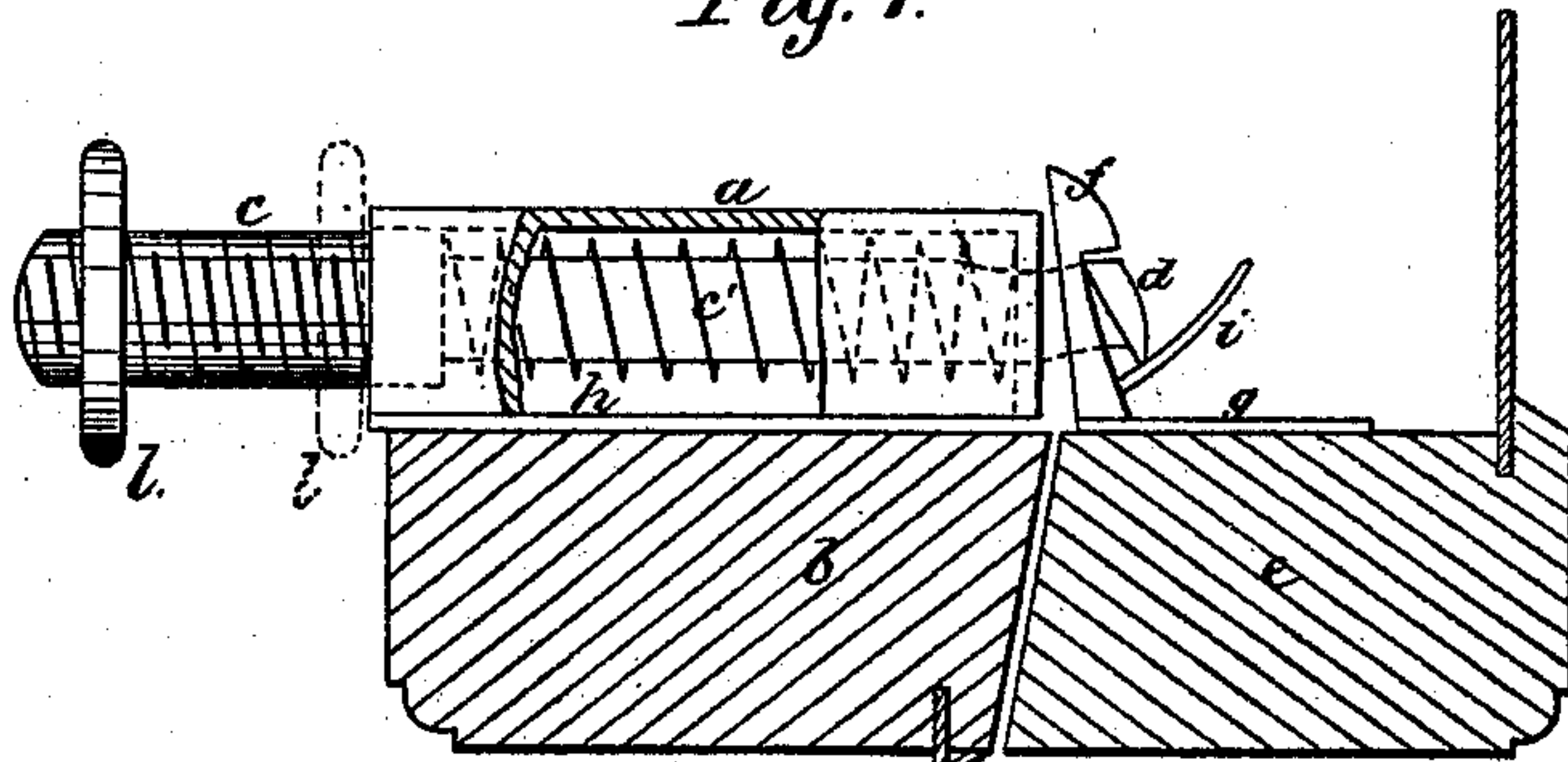


Fig. 2.

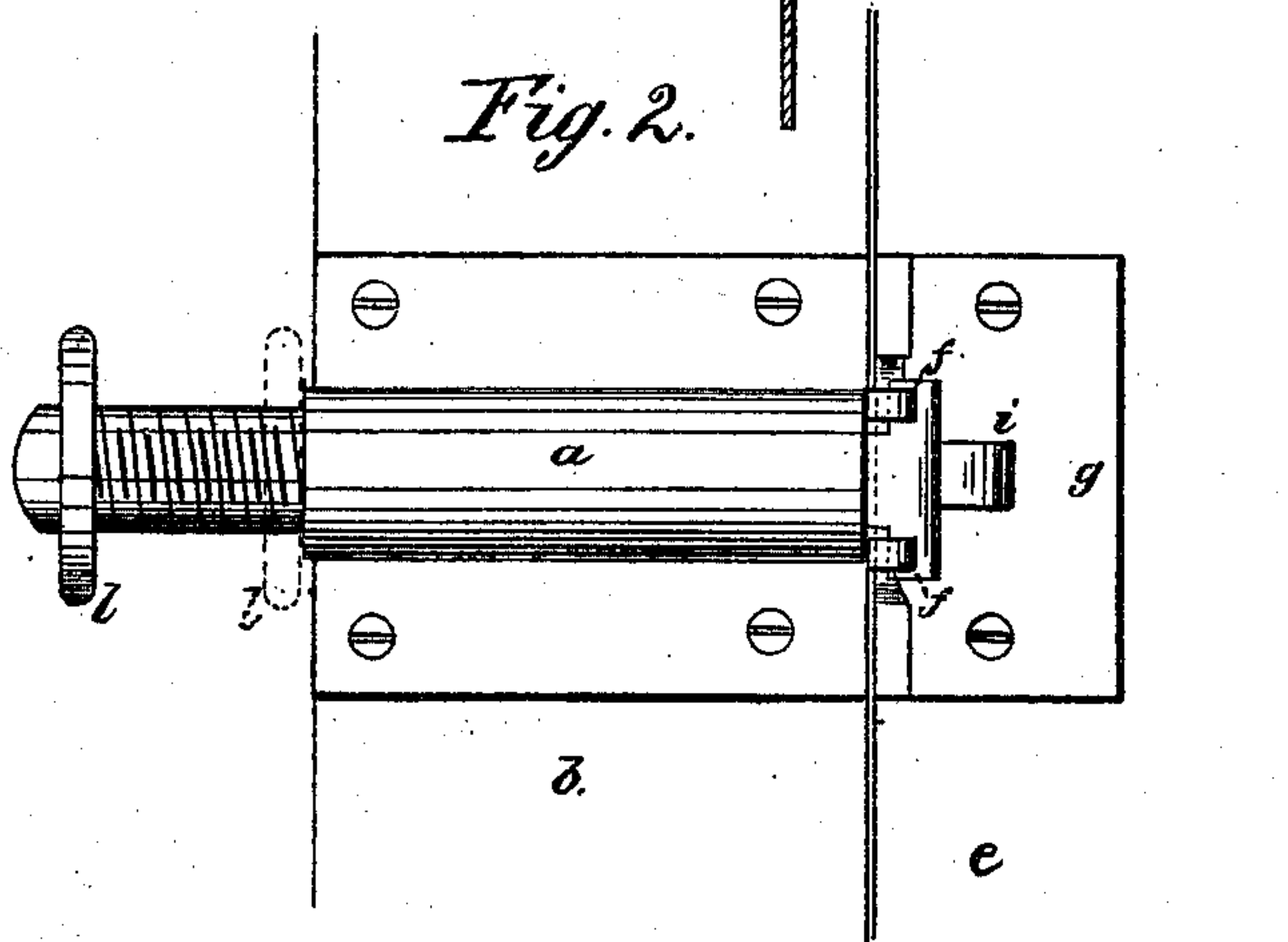
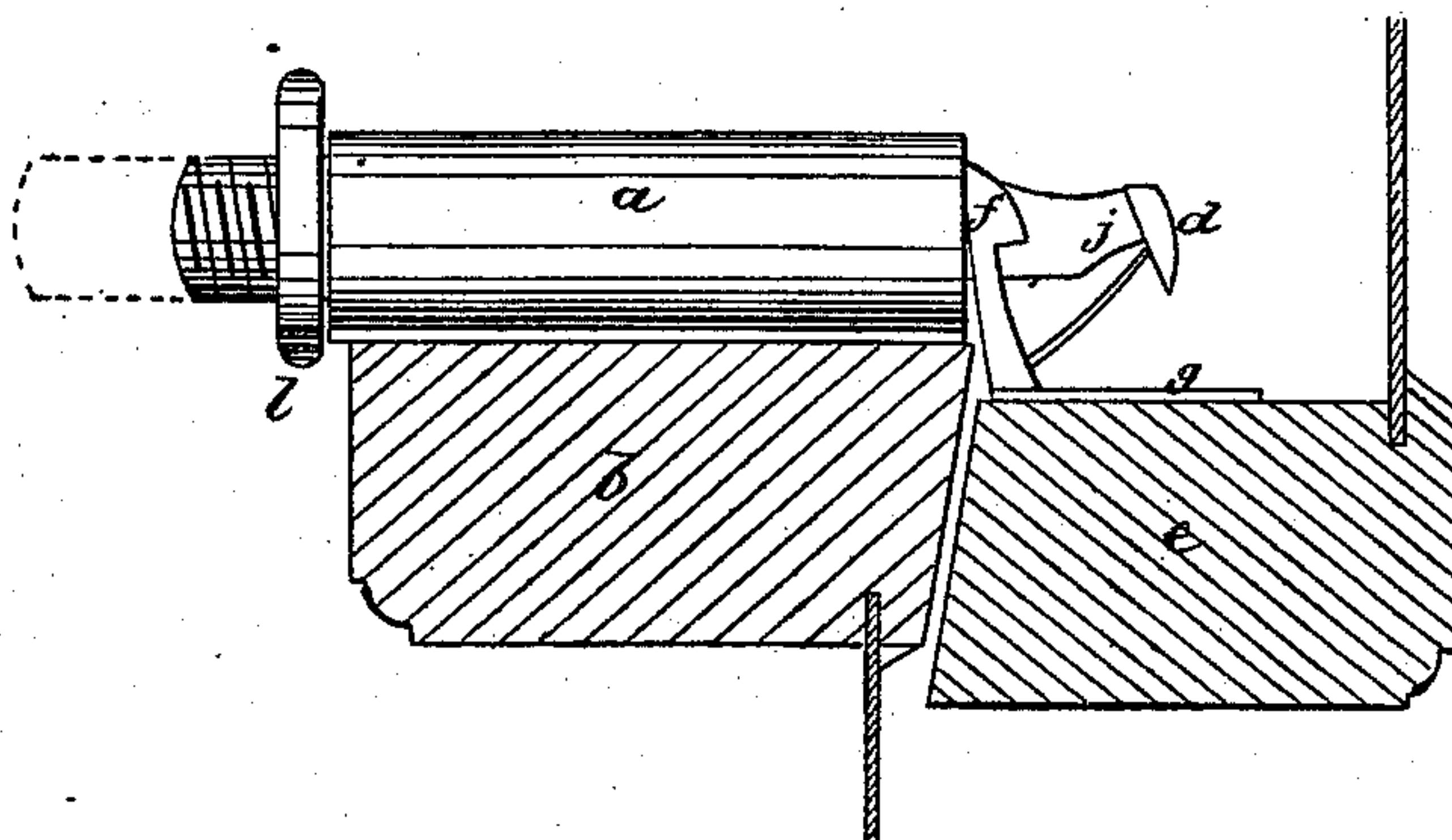


Fig. 3.



WITNESSES:

John C. Kemon
Chas. A. Pettit

INVENTOR:

George Edwards

BY

Robert T. B.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE EDWARDS, OF BROMPTON ROAD, SOUTH KENSINGTON, ENGLAND.

IMPROVEMENT IN FASTENERS FOR THE MEETING-RAILS OF SASHES.

Specification forming part of Letters Patent No. **177,485**, dated May 16, 1876; application filed March 27, 1876.

To all whom it may concern:

Be it known that I, GEORGE EDWARDS, of Brompton Road, South Kensington, in the county of Middlesex, England, have invented a new and Improved Sash-Fastener; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming part of this specification.

My invention relates to a simple and effective fastener for sliding window-sashes, applicable also to cupboards, tables, and the like. It consists in an improvement in that class of fasteners which are self-locking, which improvement serves to facilitate the disengagement of the devices previous to moving the sashes, the said fastener being also provided with means for drawing together the adjacent edges of the two sashes, to prevent rattling and exclude drafts, as will be hereinafter more fully described and definitely claimed.

In order that my invention may be readily understood I have represented the fastener in the accompanying drawings in different positions as applied to a window.

Figure 1 is a cross-section of the meeting-bars, showing the fastener partly in elevation and partly in section; and Fig. 2 is a plan view of same. In these two views the fastener is shown in the locked position, while Fig. 3 shows the fastener released and held back by a spring for opening the window.

a is a metal case or socket, with side flanges, by which it is screwed to the meeting-rail *b* of the lower sash. Within this case *a*, spring-bolt *c c'* is fitted to slide, the said bolt terminating at one end in a T-shaped cross-head, *d*, which projects from the end of case *a* over the meeting-bar *e* of the upper sash, so as to strike against and engage with a pair of catches, *f f*, rising from a plate, *g*, fixed to the meeting-rail *e*. *h* is a spiral spring upon the bolt, compressed between a shoulder there-

on and the inner end of the case *a*. The other end of the bolt projects a sufficient distance from case *a*, and has a knob, by pressing which the bolt may be forced inward to disengage the cross-head from the catches *f*. The cross-head is of such a shape that on striking catches *f* it will readily slide over them. *i* is a spring fixed to plate *g* and curved upward, so that its free end will engage with a notch, *j*, in the under side of the bolt when the latter is pushed inward, in order to hold the cross-head free of the catches *f* and allow of the sash being raised. I prefer the part *c'* of the bolt to be of square or other angular form, and to slide through a hole of corresponding form in the end of case *a*, to prevent the bolt turning in the case, and the part *c* to be of cylindrical form and screw-threaded, with a milled nut, *l*, upon it. By screwing the latter along the bolt until it is up against case *a*, as in dotted lines, Figs. 1 and 2, the two sashes may be drawn firmly together, so as to close the crack as well as lock the spring-bolt *c c'* against attempts to tamper with the same from the outside.

Having thus described my invention, what I claim as new is—

1. The combination, with the spring-bolt *c c'* and the catches *f*, of a spring, *i*, adapted to engage a notch upon the under side of the spring-bolt, substantially as and for the purpose described.

2. The combination, with the spring-bolt *c c'*, having cross-head *d*, engaging with catches *f*, as described, of the nut *l*, working upon a screw-threaded part of said bolt, for the purpose described.

The above specification of my invention signed by me this 15th day of January, 1876.

GEORGE EDWARDS.

Witnesses:

WM. CLARK,
ALBT. L. EVANS.