T. PARKER.

FASTENING FOR SLIDING WINDOWS AND THE LIKE.

APPLICATION FILED MAR. 10, 1917.

1,240,086. Patented Sept. 11, 1917.

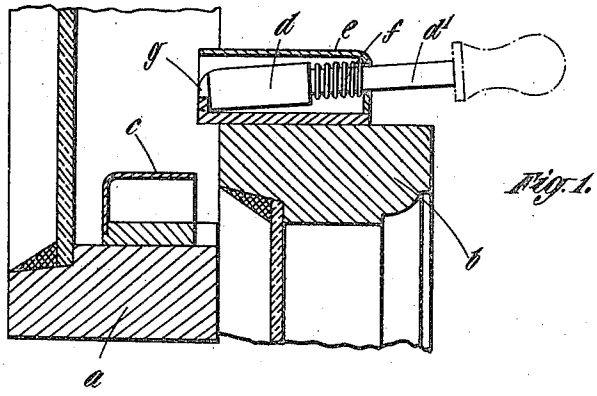


Fig. 1.

Fig. 2.

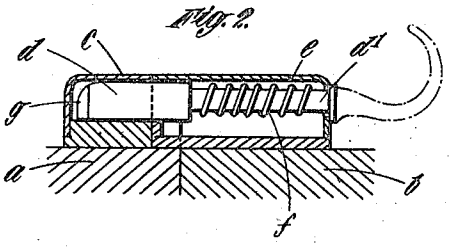


Fig. 3.

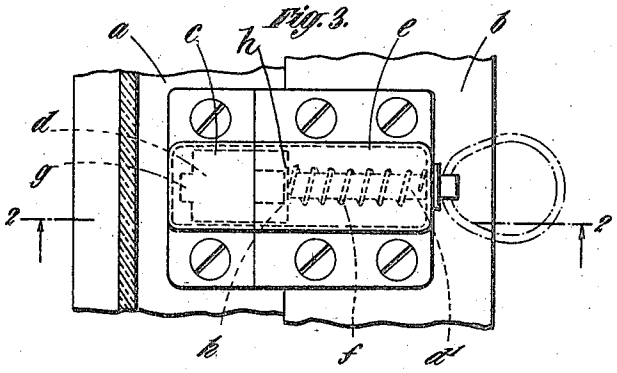
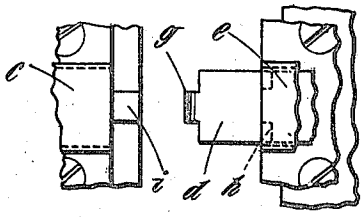


Fig. 4.



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UNITED STATES PATENT OFFICE.

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FASTENING FOR SLIDING WINDOWS AND THE LIKE.

1,240,086. Specification of Letters Patent. Patented Sept. 11, 1917.

Application filed March 10, 1917. Serial No. 154,019.

To all whom it may concern:

Be it known that I, THOMAS PARKER, a citizen of the United Kingdom of Great Britain and Ireland, and a resident of Diss, in the county of Norfolk, England, have invented certain new and useful Improvements in Fastenings for Sliding Windows and the like, of which the following is a specification, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an automatic catch for sliding windows and the like, and is of that kind in which a spring-controlled bolt moves forward to engage the two parts which are to be fastened together when they are brought into correct relative positions, and in which a spring-controlled bolt in a casing is adapted to be fixed to one sash, said bolt being retained within the casing by a detent or step against the pressure of the spring, the said bolt having a nose projecting beyond the said step and adapted to be struck by a projection on a socket carried by the other sash; the arrangement being such that when the projection strikes the nose it lifts the bolt and allows the spring to shoot it outwardly into the socket.

It is important that the said projecting nose shall not be accidentally struck and thus the bolt released, and also that the step-like projection holding the bolt shall effect a secure hold subject only to the said nose being raised.

According to my invention I provide a bolt having a centrally projecting nose on each side of which is a part of the bolt adapted to be engaged by the step, which according to my invention is made in two parts, one on each side of the case containing the bolt and between which the nose on the bolt projects.

To release the sashes it is only necessary to withdraw the bolt, as by pulling at the usual ring, knob or the like attached to it, when it will reëngage the step thus permitting the sashes to be moved until they are again brought into the closed position, when the said projection will release the bolt and the sashes will be fastened.

An example of my invention is shown in the accompanying drawings, in which:—

Figure 1 shows the device attached to two sashes *a* and *b*. The top sash *a* has a socket portion *c* of the device fitted to it and the top of the bottom sash carries a bolt *d* in case *e*. This drawing illustrates the bolt in the withdrawn position and the sashes slightly apart.

Fig. 2 is a section on the line 2—2 of Fig. 3 and shows two sashes together and the bolt in the shot position.

Fig. 3 is a plan view of the fastener such as shown in Fig. 2, and,

Fig. 4 shows details.

In Figs. 1, 2 and 3 different means of handling the device are shown by dotted lines indicating that any suitable knob, hook or equivalent may be employed. The bolt *d* is controlled by spring *f* coiled around the stem or tail *d'* which is continued outside the case *e*, for the purpose of attaching the handle or equivalent.

The nose or forward end of the bolt projects at *g* and the end of the case *e* at this forward end is furnished with two small steps or ridges *h* between which the part *g* fits and against which the forward end of the bolt engages when in the withdrawn position. It will be observed from the drawings that the case *e* extends slightly over the edge of the sash *b* and that the socket *c* is provided with a tongue or projection *i* positioned beneath the gap between the steps *h* so as to engage the nose *g* and lift the bolt *d* when the sashes are closed.

In operation, assuming the window to be fastened and it is required to open the same the bolt *d* is withdrawn and allowed to engage the steps *h* which may be automatically brought about by the spring *f*. The window can thus be opened but immediately it is reclosed the projection *i* will strike under the nose *g* and lift the bolt from the step thus permitting it to be shot by the spring *f*.

What I claim and desire to secure by Letters Patent is:—

A catch for sliding windows, comprising a casing, a spring-controlled bolt within the casing, means for withdrawing the bolt

against the spring, a nose projecting from the bolt, a step on the said casing on each side of the projecting nose, a recess between the said steps to receive the nose, a part on each side of the nose to engage the steps, and a socket member having a projection adapted to strike the underside of the nose and lift the said bolt from the two steps thus permitting the spring to shoot the bolt into the socket.

In witness whereof I have hereunto set my hand in presence of two witnesses.

THOMAS PARKER.

Witnesses:

LILY PARRY,

BARBARA BROOM.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."