(Model.)

# H. W. HOOD.

## FASTENER FOR THE MEETING RAILS OF SASHES.

No. 488,358. Patented Dec. 20, 1892.

Fig. 1.

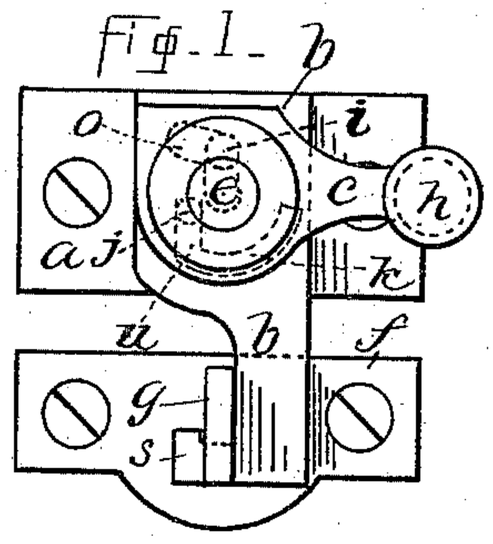



Fig. 2.

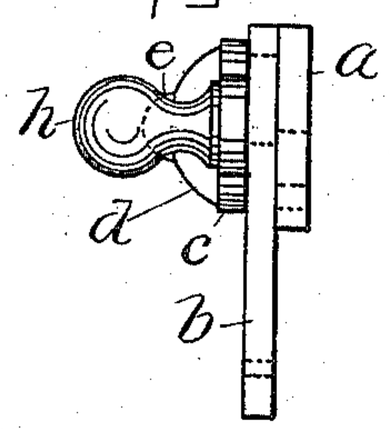



Fig. 3.

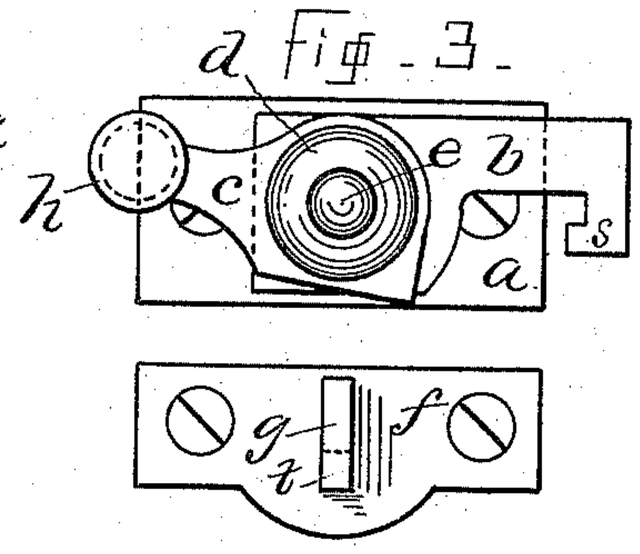



Fig. 4.

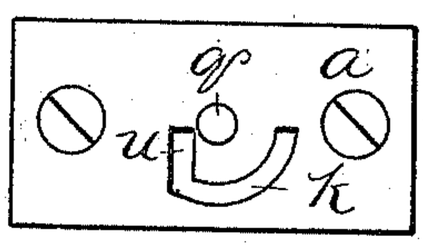



Fig. 5.

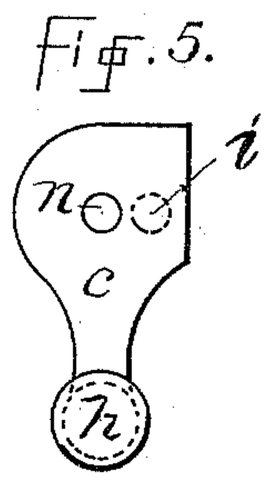



Fig. 6.

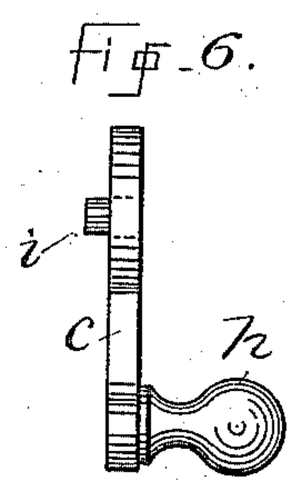



Fig. 7.


Fig. 8.

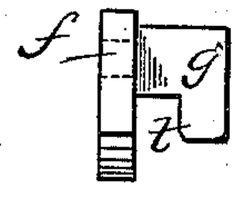
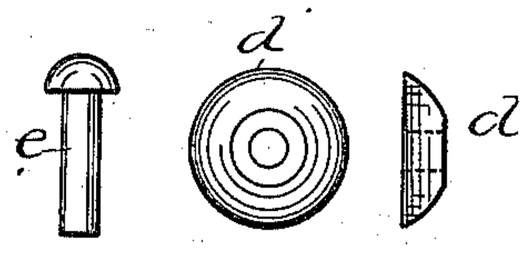



Fig. 9.




Witnesses:
Horace Brown
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Inventor:
H. W. Hood,
by Wright, Brown & Crossley.
his Attys.

# UNITED STATES PATENT OFFICE.

HORACE W. HOOD, OF NASHUA, NEW HAMPSHIRE.

## FASTENER FOR THE MEETING-RAILS OF SASHES.

SPECIFICATION forming part of Letters Patent No. 488,358, dated December 20, 1892.

Application filed March 15, 1892. Serial No. 425,045. (Model.)

*To all whom it may concern:*

Be it known that I, HORACE W. HOOD, of Nashua, in the county of Hillsborough and State of New Hampshire, have invented certain new and useful Improvements in Sash-Locks, of which the following is a specification.

My invention relates to that class of sash-locks which in addition to securing the sashes so that neither can be moved up or down, serves to draw the meeting rails of the sashes together.

It is the object of my invention to provide such improvements in sash-locks as will simplify their construction, cheapen the cost of their manufacture, and at the same time render the said devices more efficient and ready of manipulation than heretofore.

To these ends my invention consists of a sash-lock comprising the construction hereinafter described and claimed.

Reference is to be had to the annexed drawings and to the letters marked thereon, forming a part of this specification, the same letters designating the same parts or features, as the case may be, wherever they occur.

Of the drawings: Figure 1, represents a plan of sash-lock and shows a catch engaged with a stump at one extreme of its movement. Fig. 2, is an edge view showing base plate, catch and lever which operates the catch. Fig. 3, represents a catch disengaged from a stump and at the other extreme of movement from that shown in Fig. 1. Fig. 4, is a view of base plate. Fig. 5, is the form of lever used in Fig. 1. Fig. 6, represents an edge view of same. Fig. 7, represents the stump with which the catch engages when operating to draw the meeting-rails of sash together and secure the same. Fig. 8, is an edge view of same. Fig. 9, represents a rivet and washer which, when the same are in place and riveted on the under side of the base plate, act to hold the operating parts of sash-lock together.

In the drawings: *a* (Figs. 1, 3, and 4) designates the base plate which may be attached to either rail of the sash, and is provided with the hole *q*, and the slot *k;* the purposes of which I will hereinafter explain.

*b* represents the swinging catch provided with the hook *s*, which engages with the hook *g* on the stump-plate *f* which is secured to the sash opposite that to which the base plate *a* is attached. Said catch *b* is also provided, as is shown by dotted lines in Fig. 1, with an angular slot *o*, and pin *j* on its under side.

*c* is the operating lever, to one end of which is secured the knob *h*, and is provided with the pivot hole *n* and the pin *i*.

*d*, represents the washer used under the head of rivet *e*, which is used to retain the operating parts in position. The pin *i* is attached to the underside of the operating lever, and works in the slot *o* formed in the catch, and operates to swing the catch on pivot *e*, and at the same time draw the catch inward and lock it in its engaged position.

*j*, represents a pin secured to the underside of catch *b*, and works in the slot *k* in the base plate when the catch *b* is thrown to either of its positions, but when the catch is in engaged position shown in Fig. 1, the said pin *j* enters the angular portion *u* of the slot *k* and thereby locks the catch *b* against displacement from the stump *g*. The said slot *k* in the base plate operates to limit the extent of movement of the catch by means of the pin *j*, when the catch is thrown to its disengaged position, and to lock it as before explained when the pin *j* is drawn into a portion of slot *k* at right angles to the base plate.

The operation of the device is as follows: Suppose the catch to be in the position shown in Fig. 3, or in its disengaged position, and that it is desired to lock the sashes, the first movement of the lever *c* operates through the medium of the pin *i* in the slot *o* to revolve the catch upon the pivot *e* until brought into contact with the stump-hook *g*. In the meanwhile, pin *j* will have made one-fourth of a revolution in the slot *k*, and have arrived at the right angled portion *u* of the said slot. Now, by continuing the movement of the lever the pin *i* will act upon the upper or outer side of the slot *o*, and operate to draw catch *b* inward, thereby bringing pin *j* within the angular portion *u* of slot *k*, and lock the catch in its engaged position.

Having thus described the nature of my invention, and explained a way of constructing and using the same, though without attempting to set forth all of the forms in which it

may be made, or all of the modes of its employment, I declare that what I claim is:

A sash-lock, comprising in its construction a base plate attached to one sash; a stump plate attached to the other sash, the said base plate being provided with a single slot *k*, having an angular portion *u* extending inward therefrom a catch *b* pivotally connected with the base plate and provided with an angular slot *o* at one side of the center, and a pin *j* extending into the slot of the base plate, and a lever *c* provided with a pin *i* at one side of its fulcrum and extending into the slot of the catch as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 16th day of February, A. D. 1892.

HORACE W. HOOD.

Witnesses:

R. P. ELLIOTT,

HARRY E. MYGATT.