

(No Model.)

2 Sheets—Sheet 1.

I. F. EASTHAM.
SASH FASTENER.

No. 584,074.

Patented June 8, 1897.

Fig. 1.

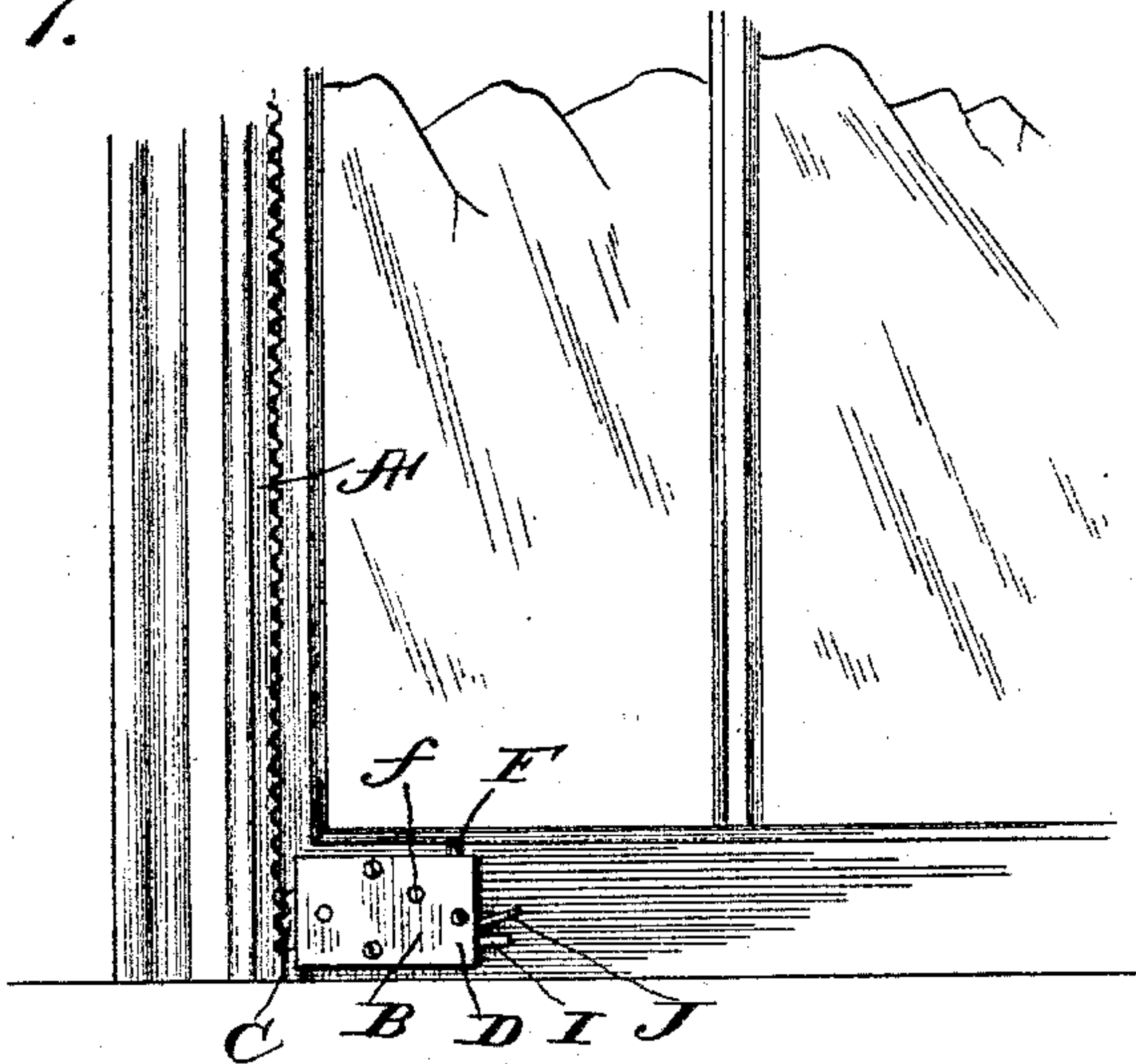
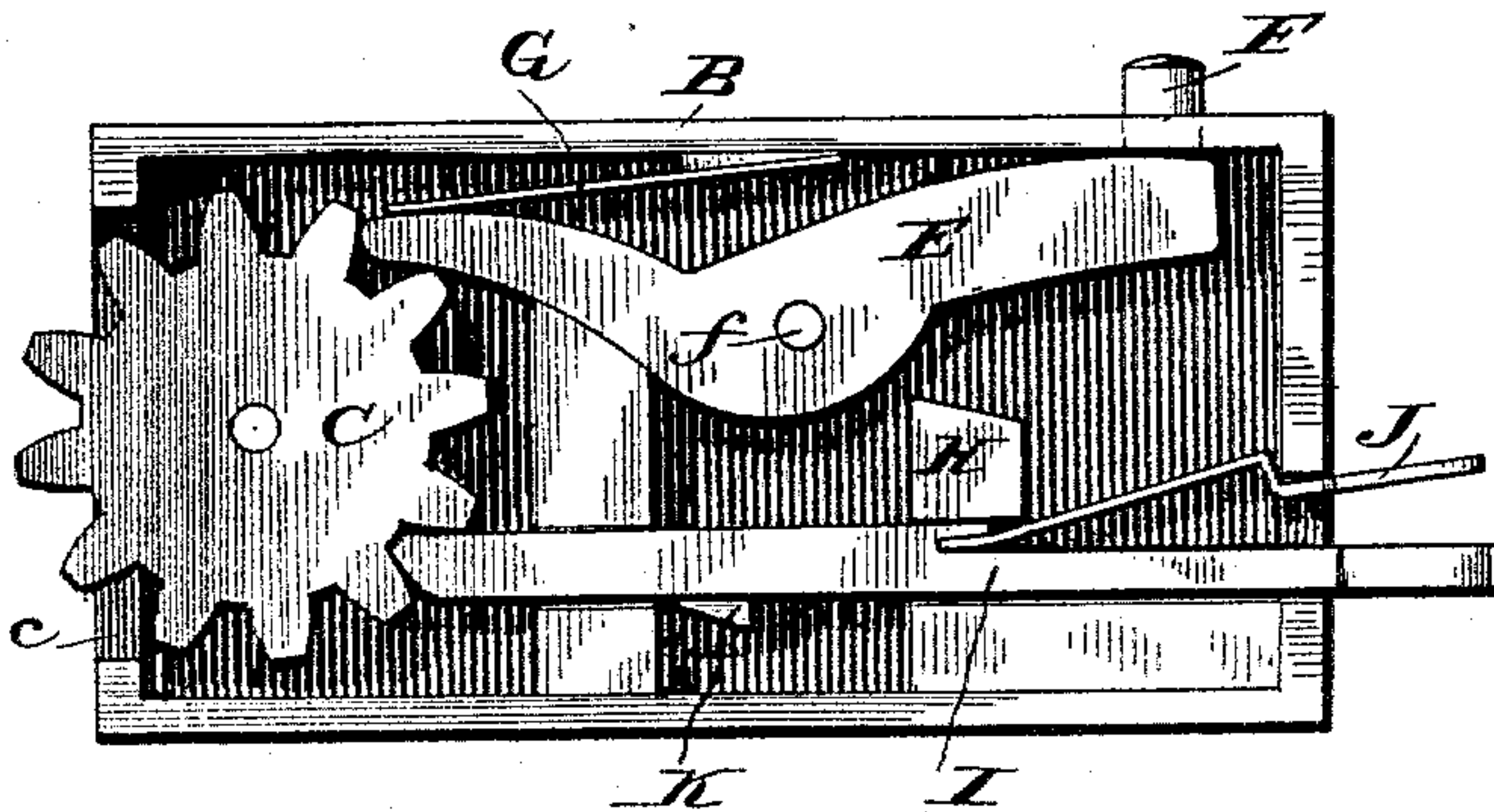


Fig. 2.



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Fig. 3.

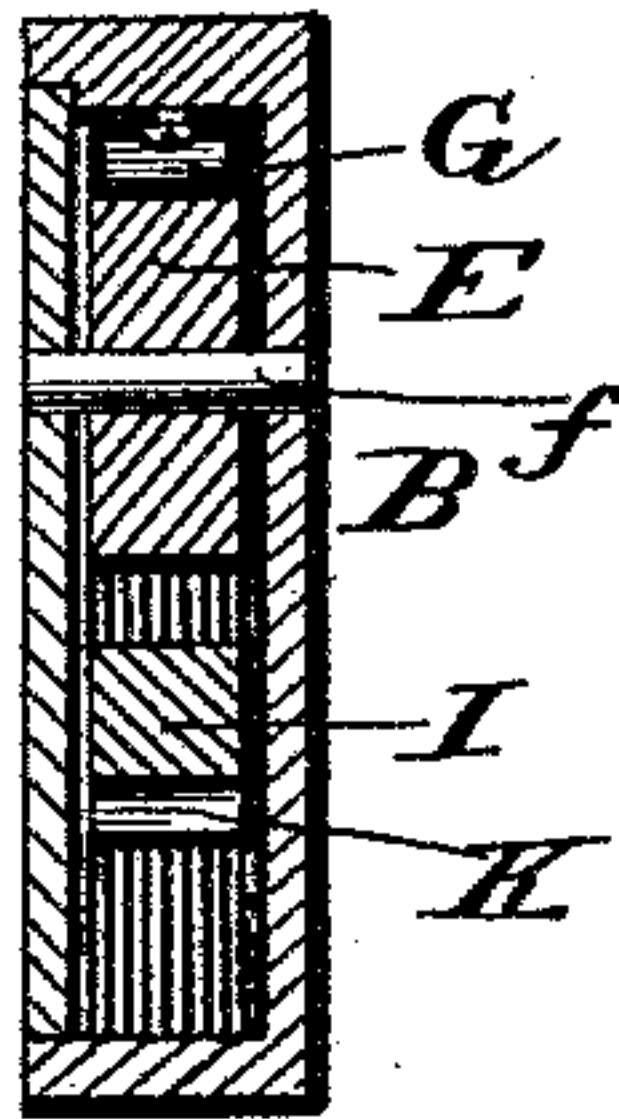


Fig. 4.

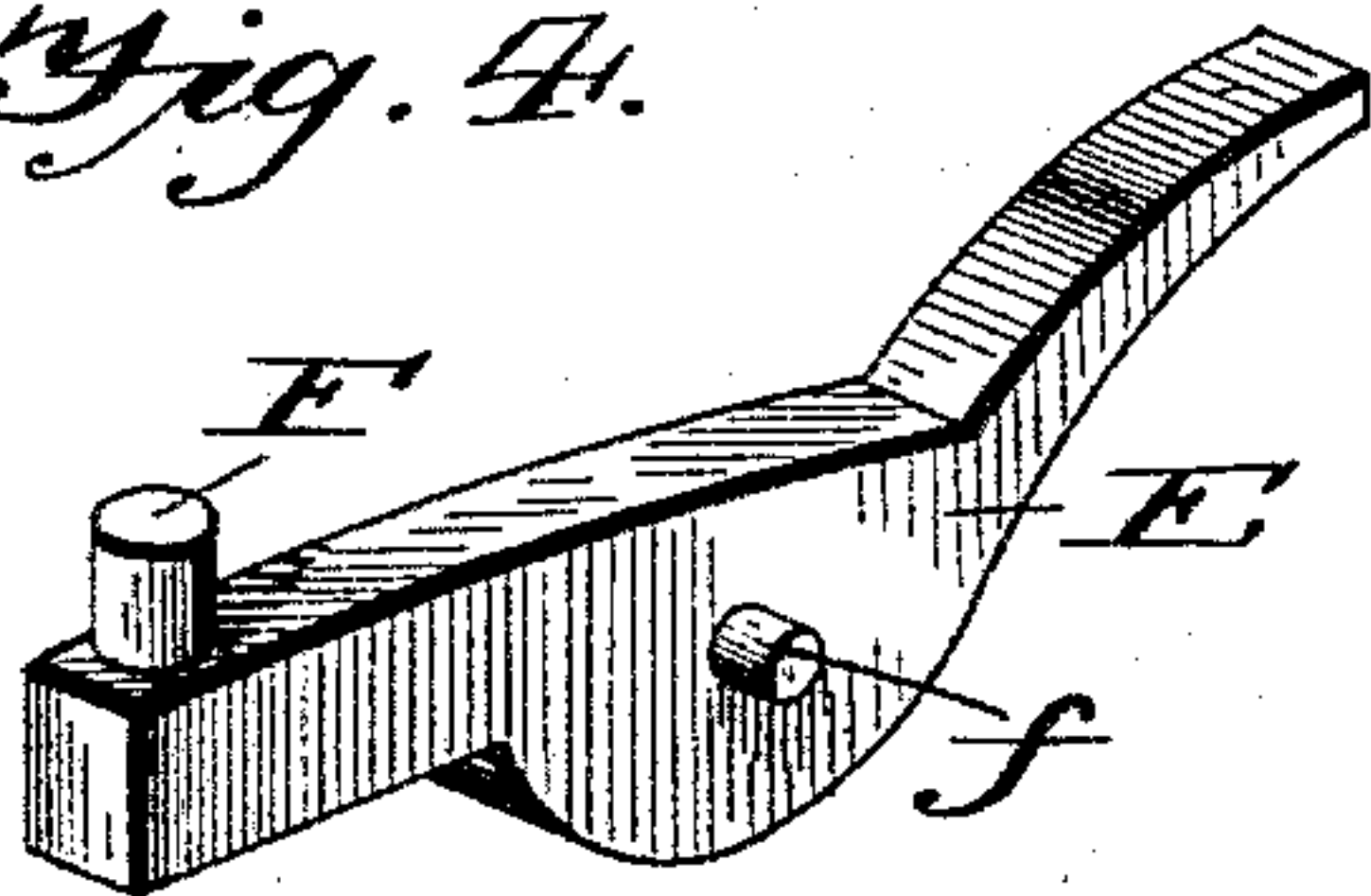


Fig. 5.

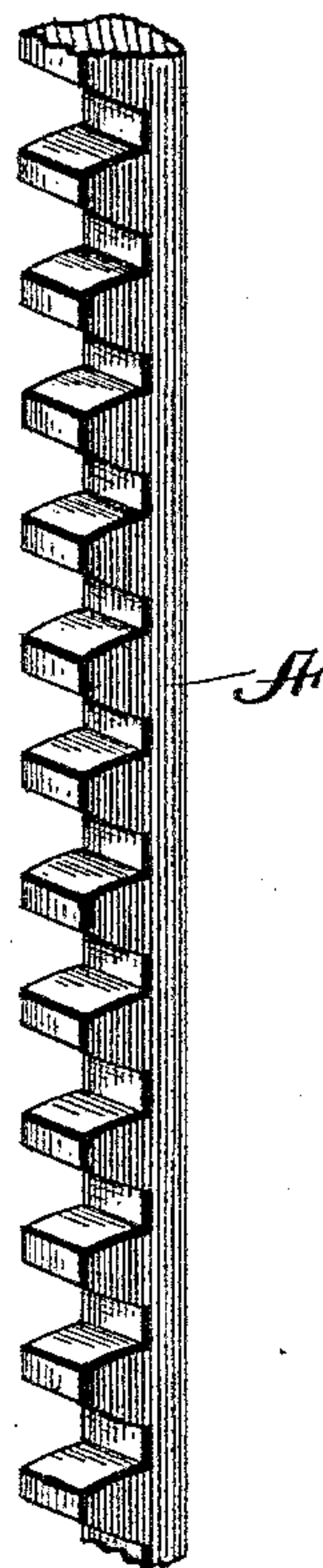
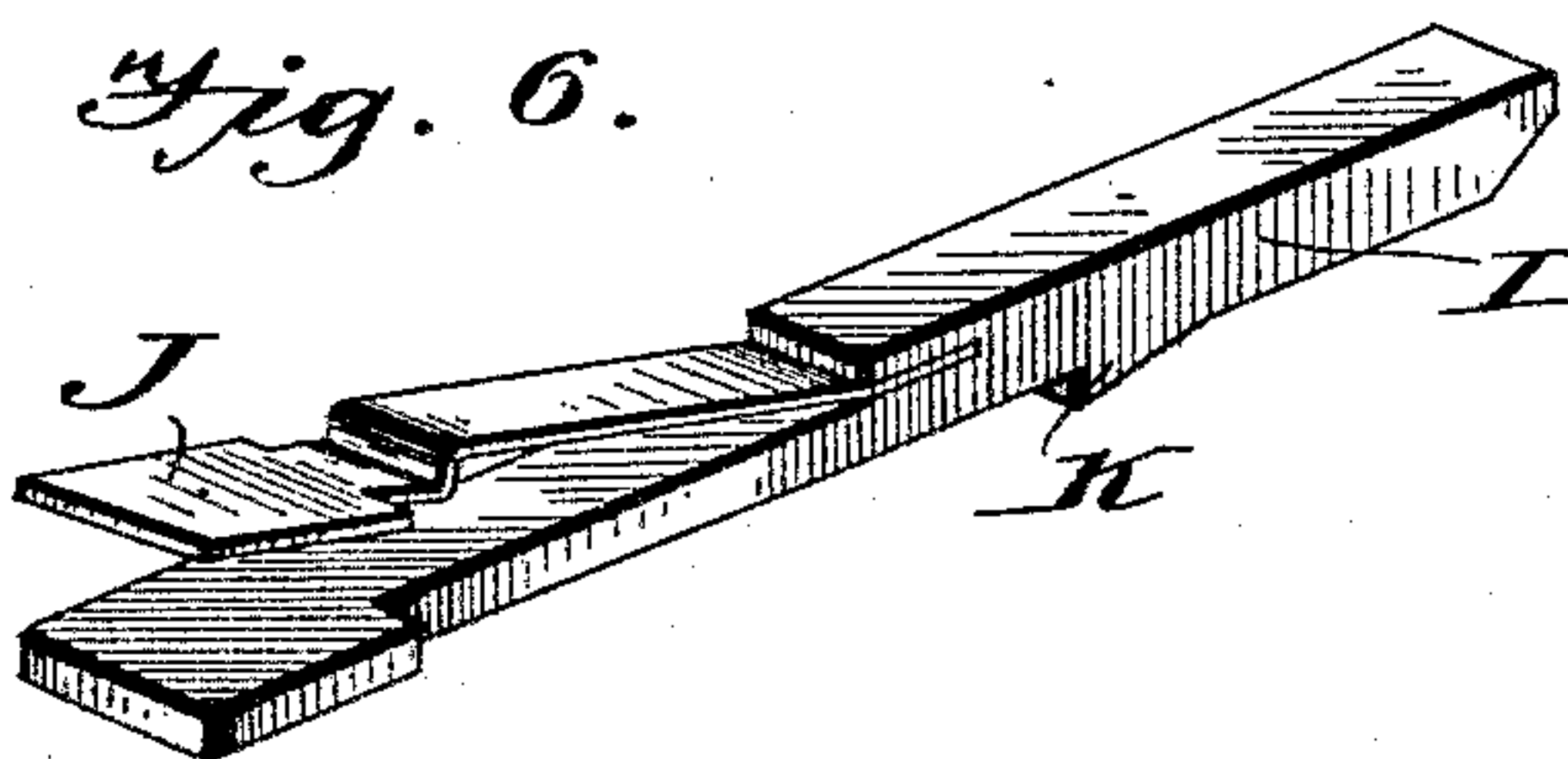


Fig. 6.



WITNESSES

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UNITED STATES PATENT OFFICE.

ISAAC F. EASTHAM, OF LEROY, FLORIDA.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 584,074, dated June 8, 1897.

Application filed September 25, 1896. Serial No. 606,950. (No model.)

To all whom it may concern:

Be it known that I, ISAAC F. EASTHAM, a citizen of the United States, residing at Leroy, in the county of Marion and State of Florida, have invented certain new and useful Improvements in Sash-Fasteners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to certain new and useful improvements in sash-fasteners; and it has for its object, among others, to provide a simple and cheap construction whereby the window can be easily raised and held in any position and also locked when closed. The fastener comprises a cog-wheel mounted in a case, with its teeth projecting through an opening in the end thereof to engage a rack-bar on the window frame or stop, and within the case is a pivoted lever having a thumb-piece projecting through the side of the case, with its other end adapted to engage the cog-wheel, and also mounted to slide within the case is a bolt adapted to engage said cog-wheel and having a spring-lever by which it is held in its adjusted position. The thumb-lever is held to its work by a spring. The device is composed of few parts, those readily assembled, not liable to get out of order or to be broken, and in practice will be found most efficient for the purpose for which it is intended.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claim.

The invention in this instance resides in the peculiar combinations and the construction, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the drawings, and then particularly pointed out in the claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is an elevation showing the application of the invention to a window. Fig. 2 is a face view of the case and its mechanism with the front plate removed. Fig. 3 is a section through the same. Fig. 4 is a perspective view of the thumb-lever. Fig. 5 is a perspective

view of the rack-bar. Fig. 6 is a perspective view of the locking-bolt.

Like letters of reference indicate like parts throughout the several views.

Referring now to the details of the drawings by letter, A designates the rack-bar, designed to be secured to the window frame or stop in any suitable manner.

B is a casing designed to contain the operating parts. It is designed to be secured, by screws or other means, to the window-sash near the bottom.

C is a cog-wheel mounted to revolve on the shaft or axle held in the side walls of the casing and having its edge projecting through an opening *c* in the end wall of the casing, so that it will engage the rack-bar on the stop or frame. The case has a removable face D, as shown, to provide ready access to the working parts within the same.

E is a thumb-lever pivoted at *f* within the case and at its outer end provided with the push pin or button or other device F, that works through a hole in the top of the case, while its other end is designed to engage the cog-wheel. A spring G acting upon the inner end of this lever holds it to its work. Pressure on the push-pin throws the other end against the tension of this spring and removes it from its engagement with the cog-wheel. A lug or stud H within the case limits the movement of the lever.

I is a sliding bolt mounted to move in suitable guides within the case, its inner end designed to engage the cog-wheel, while its other end projects through an opening in the end of the case and has a thumb-piece, as shown, while a spring J acts to impinge against the wall of the opening or guide to hold the bolt yielding in its adjusted position.

K is a projection on the bolt to engage a stop or lug within the case to limit the outward movement of the bolt.

With the parts constructed and arranged substantially as above set forth the operation is as follows: There may be a case and rack upon each side of the window, or only upon one side, as may be necessary. When the window is down, push the bolt in so that its inner end will engage the cog-wheel and the window will be firmly locked, or it can be locked at any point on the way up. To raise

the window, after first pulling out the sliding bolt all that it is necessary to do is to push up on the bottom of the sash and when at the desired height stop raising and the sash will
5 be held at that point. To lower the sash, press in on the push-pin, and when the sash is in the desired position remove the pressure from the pin, when the spring will force the inner end of the thumb-lever in engagement
10 with the cog-wheel and the window will be held where it stops.

The device may be made either right or left hand and may be secured to the upper or lower sash, and the case may be arranged to
15 have the push-pin either at the bottom or at the top, according to the position in which the case is placed.

Modifications in detail may be resorted to

without departing from the spirit of the invention or sacrificing any of its advantages. 20

What is claimed as new is—

The combination with the rack-bar and the case, of the cog-wheel mounted to revolve within the case and engage the rack-bar, the sliding bolt, the pivoted lever mounted be- 25 tween its ends on a stationary pivot, a spring acting thereon, and a push-pin disposed at right angles to the pivot of said lever adapted to engage said lever, as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses. 30

ISAAC F. EASTHAM.

Witnesses:

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S. T. SISTRUNK.