

(No Model.)

G. KINGSLAND.

SASH FASTENER.

No. 412,189.

Patented Oct. 1, 1889.

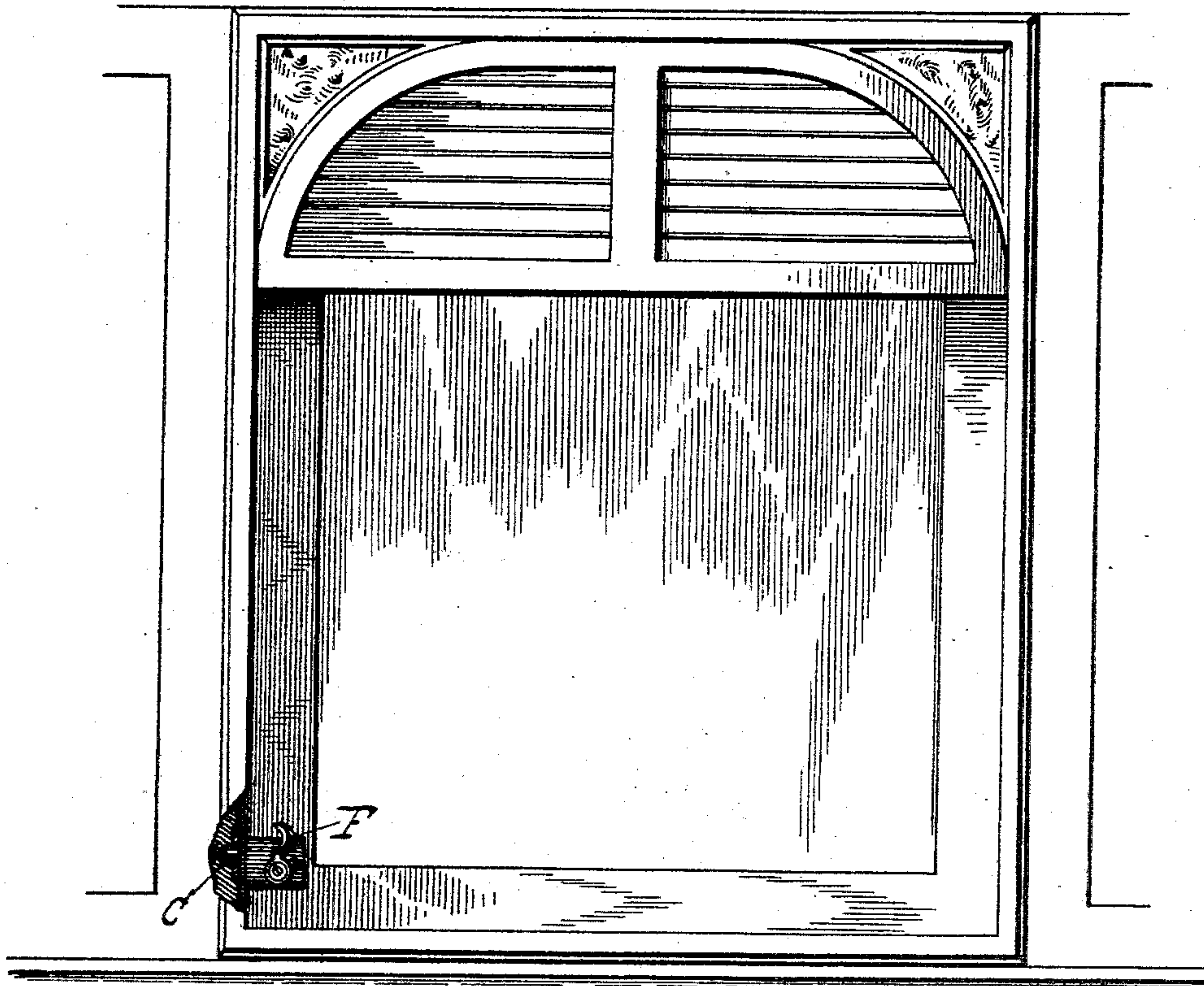


Fig. 1.

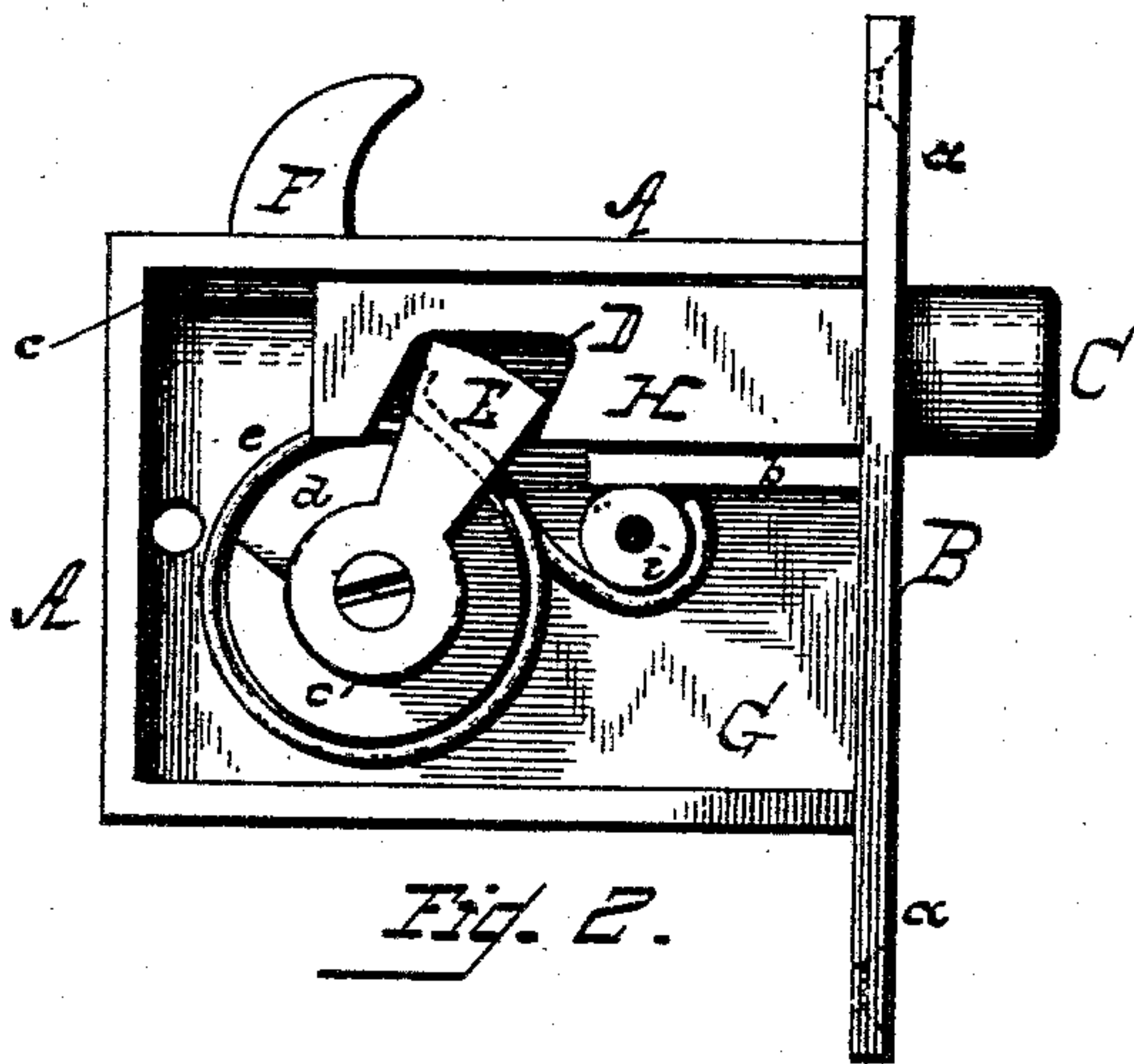


Fig. 2.

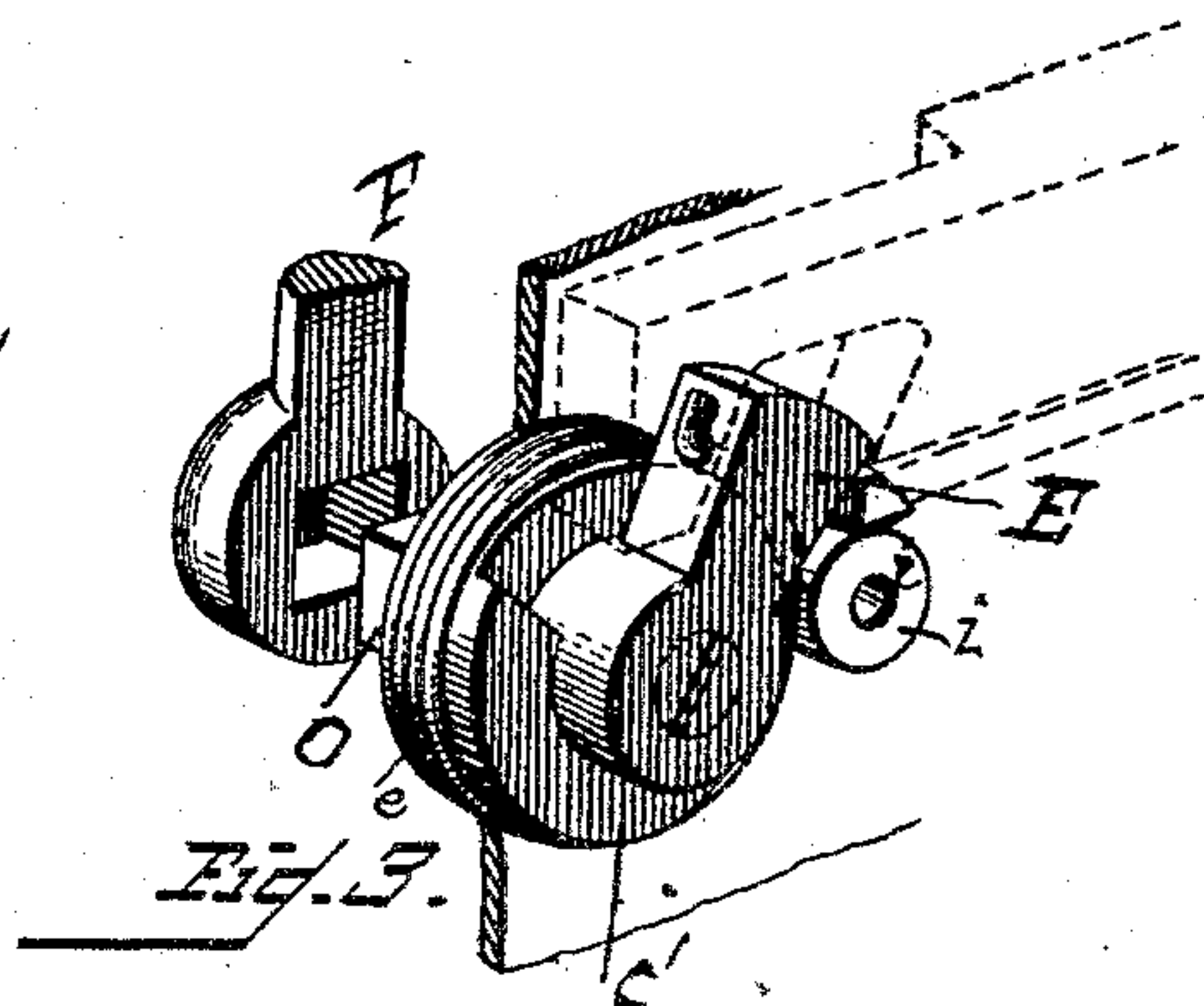


Fig. 3.

Witnesses

"W. J. Shiden."

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GEORGE KINGSLAND, OF STANWOOD, MICHIGAN.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 412,189, dated October 1, 1889.

Application filed June 28, 1888. Serial No. 278,494. (No model.)

To all whom it may concern:

Be it known that I, GEORGE KINGSLAND, a citizen of the United States, residing at Stanwood, in the county of Mecosta and State of Michigan, 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.

My invention relates to that class of sash-fasteners which is mortised or let into the side of the window-sash and is adapted to hold the window closed or to retain it at any desired point to which the window is capable of being vertically elevated.

The improvements embodied in my sash-fastener secure for it simplicity of construction, strength of the working parts, and consequent economy in its manufacture and use. The manner in which I secure these advantages and the construction, arrangement, and working of my improved sash-lock are fully set forth in the following specification and illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation of a car-window with one of my fasteners let into the sash and a portion of the window-jamb cut away. Fig. 2 is a view on a larger scale of the interior of my sash-lock, the case-cover being removed. Fig. 3 is a perspective view of the spindle, cam, and operating-springs in detail.

The casing A of my lock has the usual flanges *a*, by which, through suitable screw-holes, it is fastened to the edge of the sash after the body of the case has been let into the latter. In the face-plate B of the case is a hole for the passage of the lock-bolt C. Within the case is a guide-plate *b*, which, with the flange *c*, is cast as a part of the side plate G of the case, and which serves to hold the bolt in its proper place within the case. Said guide-plate *b* and flange *c* form the bearings in which slides the squared portion H of the bolt. Near the rear end of the bolt C is a notch D, in which plays a cam E. This cam

may be attached to the spindle O by means of a screw, as shown in the drawings, or it may be cast as a part of said spindle. To the end of the spindle opposite the cam and on the outside of the case is screwed a thumb-lever F, the spindle extending through the side plate G for that purpose. Cast on the inside of the plate G is a circular collar or box *c'*, a portion of which is cut away at *d* to form a shoulder for the purpose of arresting the cam E in its backward movement. Surrounding this collar is a coil-spring *e*, one end of which is secured to a stationary post *i* within the case, and the other end of the spring is made fast to the cam E.

Having thus described the parts of my improved sash-fastener, which, it will be seen, are extremely simple, I now desire to state the manner in which it is operated.

By pressing back the lever F the spindle is turned, carrying with it the cam E, the end of which, by bearing against the rear side of the notch D, withdraws the bolt from the slot in the window-jamb. The coil-spring, when relieved from the tension caused by pressing back the lever on its recoil, reverses the motion of the spindle, cam, and bolt, so that the latter is pushed into a slot in the jamb. By having a series of holes in the jamb in a line with the bolt the window may be stopped and held at any desired elevation. It will also be seen that by the use of a very strong spring sufficient pressure may be exerted to hold the window by friction alone, without the use of holes in the jamb. If it is desired to mortise the lock, it can be readily adapted for that purpose by simply extending the spindle a sufficient distance through the side plate of the case, so that the said spindle will be flush with the window-sash.

I am aware that sash-locks involving the principles which I embody in my invention have been patented, and I do not broadly claim such principles; but

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

In a window-fastener, the case A, having side plate G, provided with the guide-plate *b*, flange *c*, and post *i*, in combination with

the spindle O, mounted in said case, the collar *c'* on said plate and having shoulder *d*, the actuating lever and cam on said spindle, and the coil-spring surrounding the collar and
5 having one end inserted in the cam and the other end in engagement with the post *i*, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE KINGSLAND.

Witnesses:

C. F. BARNARD,

M. D. FORD.