

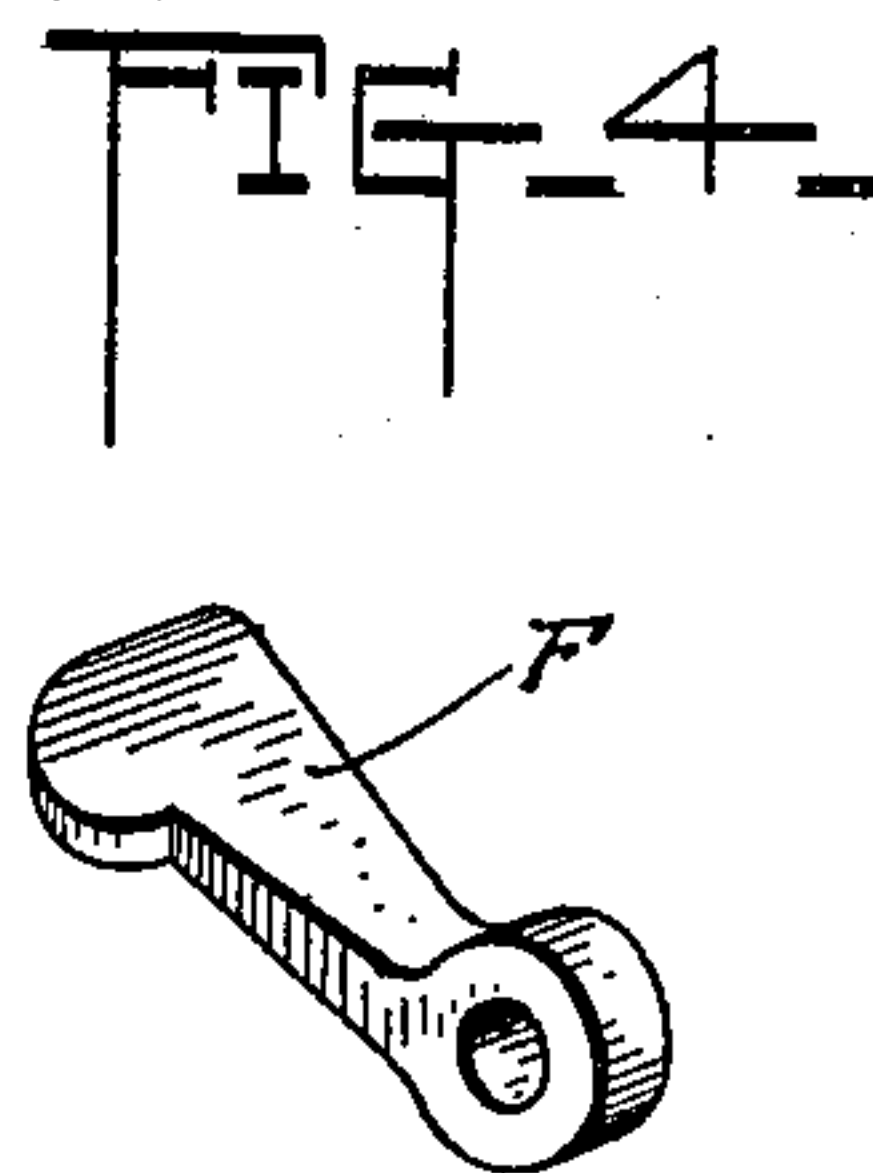
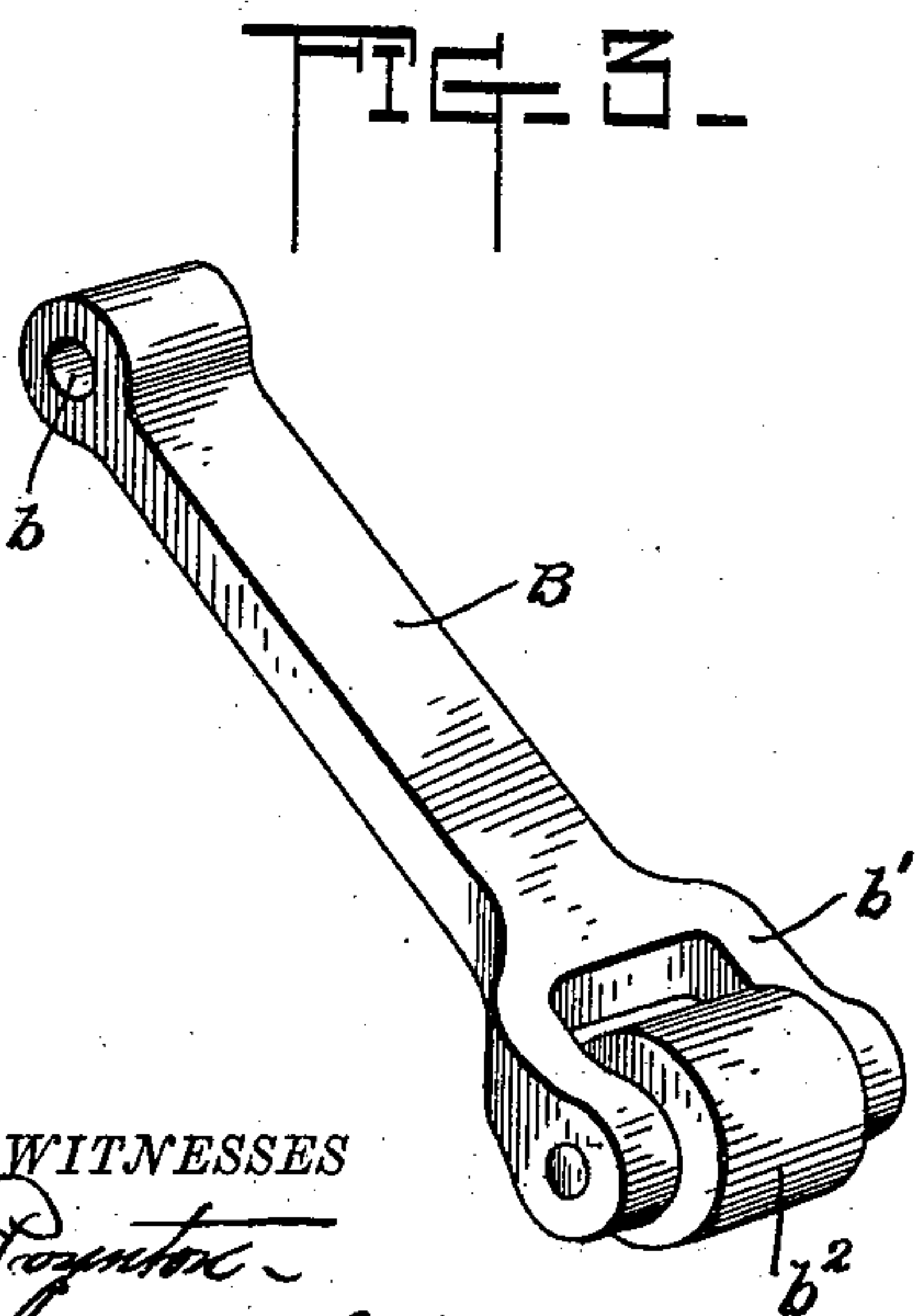
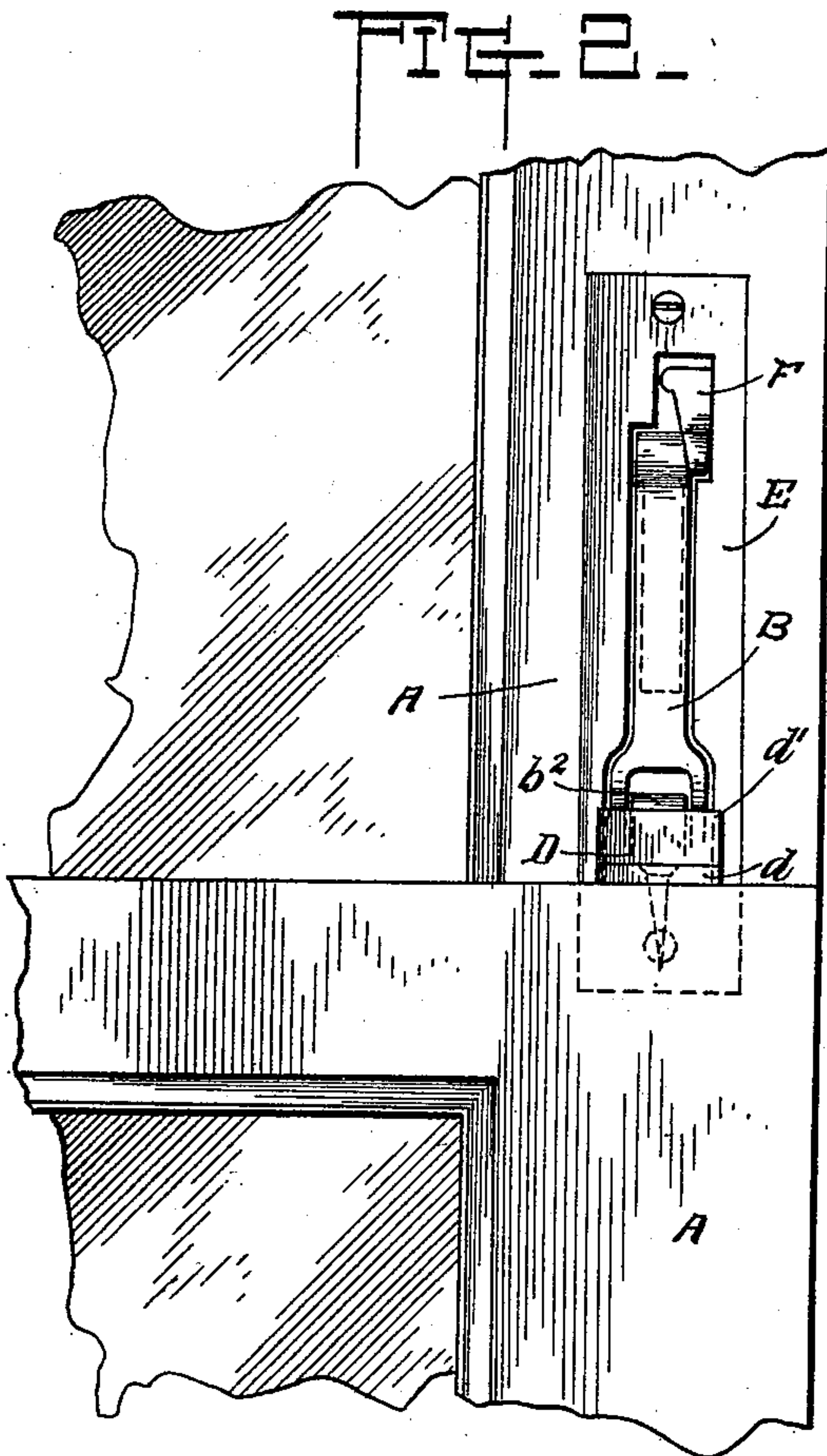
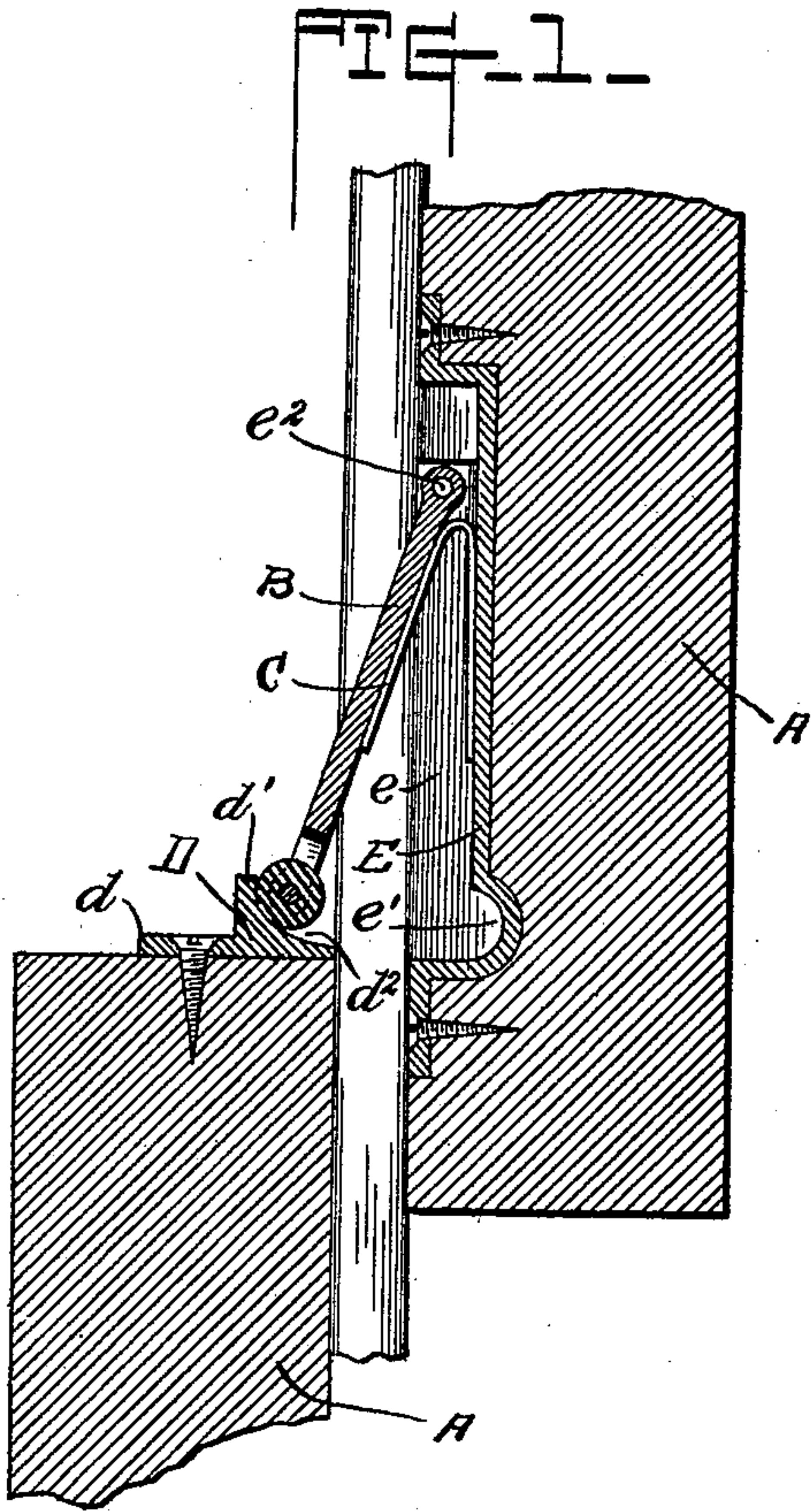
No. 614,741.

Patented Nov. 22, 1898.

D. L. MOORE, JR.  
SASH FASTENER.

(Application filed Jan. 5, 1897.)

(No Model.)



WITNESSES  
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# UNITED STATES PATENT OFFICE.

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## SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 614,741, dated November 22, 1898.

Application filed January 5, 1897. Serial No. 618,088. (No model.)

*To all whom it may concern:*

Be it known that I, DAVIS L. MOORE, Jr., a citizen of the United States, and a resident of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Sash-Locks; 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.

The invention relates to improvements in sash-locks; and it consists of certain novel constructions, combinations, and arrangements of parts, all of which will be hereinafter more particularly set forth and claimed.

In the accompanying drawings, forming part of this specification, Figure 1 represents a central vertical section through a sash provided with my invention. Fig. 2 represents a front elevation of the same. Fig. 3 represents an enlarged detail perspective view of the pivoted arm, and Fig. 4 represents an enlarged detail perspective view of the cam-lever.

A A in the drawings represent the respective window-sashes; B, the pivoted arms; C, the spring engaging the same, and D the stop-casting adapted to be engaged by said arm. One or the other of the sashes A is provided with a casting E, adapted to be set into the same flush with its surface and formed with a longitudinal groove  $e$ , a well  $e'$ , and a laterally-extending pin  $e^2$ . The arm B is provided at one end with an eye  $b$ , which is journaled loosely on the pin  $e^2$ , thus permitting the lever to have a pivotal movement. A cam-lever F is journaled on said pin  $e^2$  to one side of the lever B and is adapted to be turned down into a horizontal position to jam its cam portion against the lever B, and thus hold said lever in any of its adjusted positions, either in or out of its casing. The lower end of said lever B is enlarged and formed into a yoke  $b'$ , between the arms of which is pivotally mounted a roller  $b^2$ , preferably constructed of leather, rubber, or like material, so that it cannot injure the portions of the sash with which it contacts. An approximately V-shaped flat spring C is mounted in the bottom of the groove  $e$  and is adapted to engage

the inner side of the arm B, so as to normally force the same outward. When said arm is compressed into its respective sash, the roller  $b^2$  lies within the well  $e'$ , and thus no portions of said arm or roller project beyond the surface of the sash. The opposing sash from that upon which the casting E is mounted is provided upon its upper side with the stop-casting D. This comprises an attaching-plate  $d$ , provided with suitable screw-apertures, a vertical flange  $d'$ , and an inclined extension  $d^2$ , the latter adapted to extend from said flange  $d'$  to the inner edge of the sash.

It will be observed from the foregoing description that when the sash is closed, so as to bring the wall  $e'$  opposite the upper end of the opposing sash, the spring C will automatically force the arm B out of its groove and cause the roller  $b^2$  to pass forward until it contacts with the flange  $d'$ . It will now be impossible to open the window, as the two sashes are locked firmly together.

When it is desired to open the window from the inside, the arm B is simply compressed back into the casting E against the tension of the spring C and the window raised or lowered, as desired, the roller  $b^2$  rolling smoothly along either one or the other of the side rails of the sash.

It will be observed that by the employment of my invention the sash is automatically locked and needs no attention whatever, as the mere closing of the window is sufficient to permit the arm B to spring into a locked position. Further, the said arm when it is thus locked cannot be opened from the outside, as any instrument inserted between the respective sashes will simply tend to force the said arm B more firmly into its locked position. The said spring C is simply of sufficient tension to force the arm B out of its casting E when said arm is free of the opposing sash, so that the effort to push said arm in its recess when desiring to open the window is reduced to a minimum.

It should be understood that by mounting the cam F on the pin or bolt  $e^2$ , on which the arm B is pivoted, downward movement of said cam will force said arm laterally on said pin, and thereby lock it in any position desired and to which it may be adjusted.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a sash-fastener, the combination with a  
5 pivoted arm on one of the sashes, mounted  
upon a transversely-extending pivot pin or  
bolt, and a spring for normally urging said  
arm outwardly, of a cam pivotally mounted  
10 on said pivot pin or bolt, and adapted to en-  
gage the side of said arm and to frictionally

hold it in any position to which it may be ad-  
justed, as and for the purpose set forth.

In testimony whereof I have signed this  
specification in the presence of two subscrib-  
ing witnesses.

DAVIS L. MOORE, JR.

Witnesses:

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