No. 683,097. Patented Sept. 24, 1901.

F. ALLEN.

WEATHER STRIP AND SASH FASTENER.

(Application filed Jan. 25, 1901.)

(No Model.)

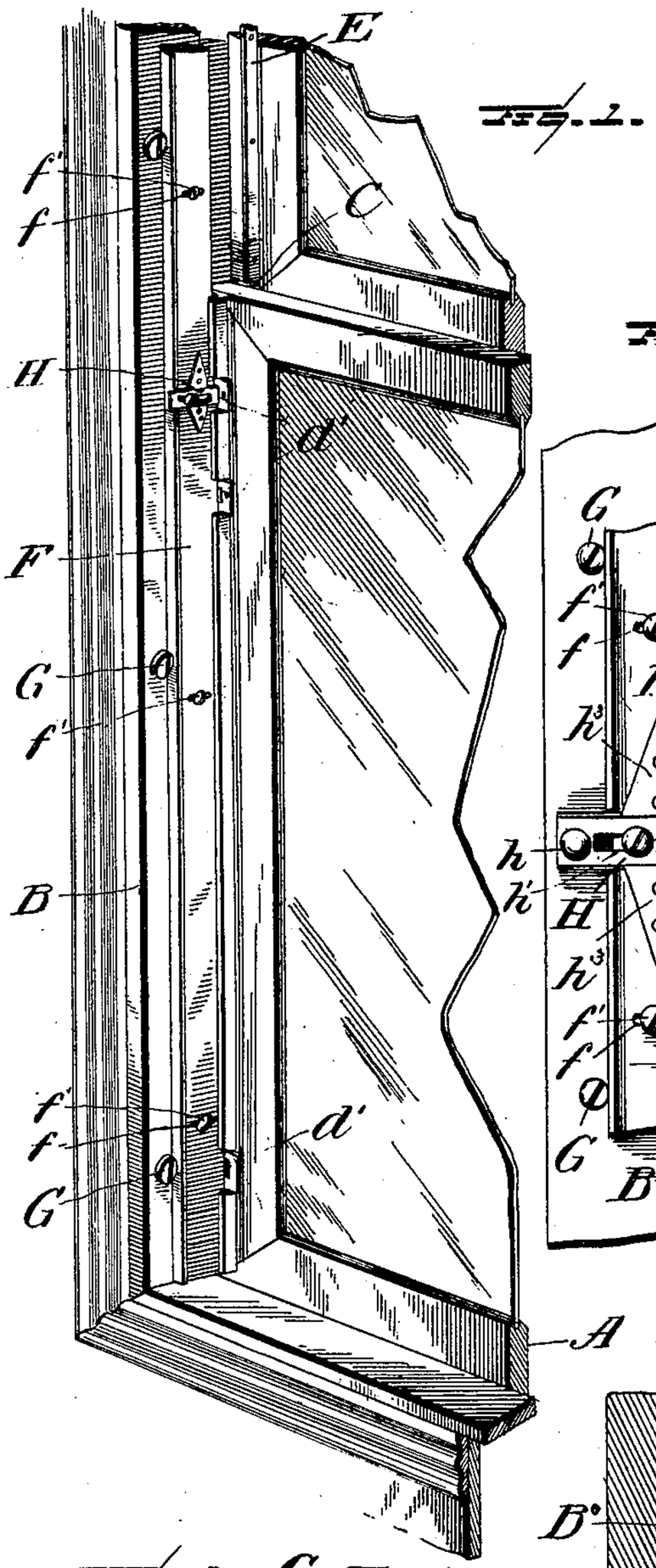

Fig. 1.

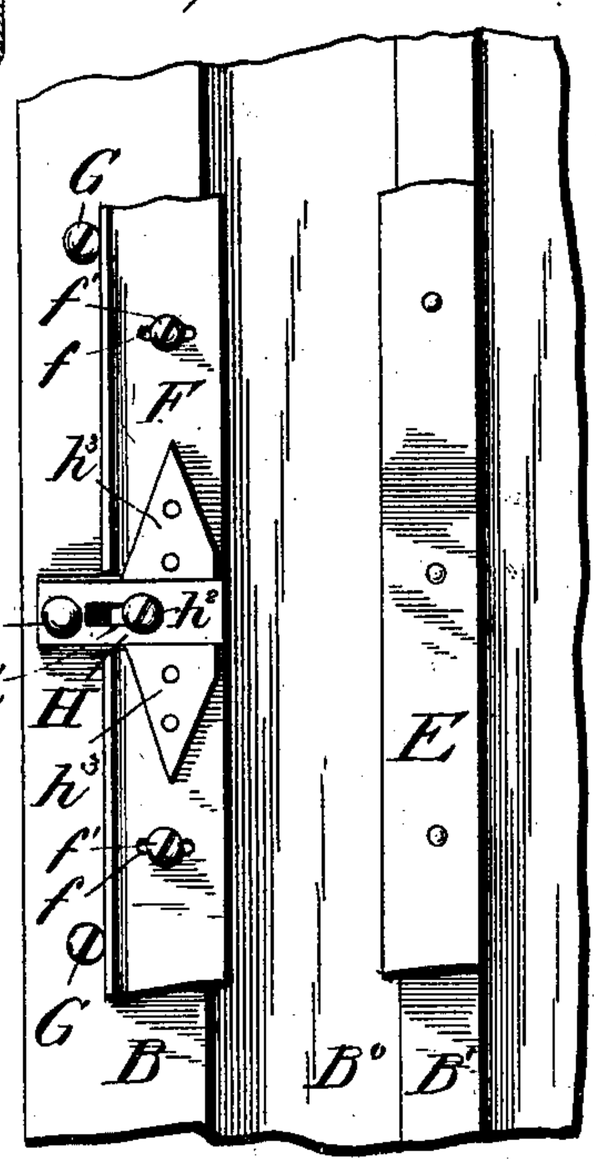

Fig. 2.

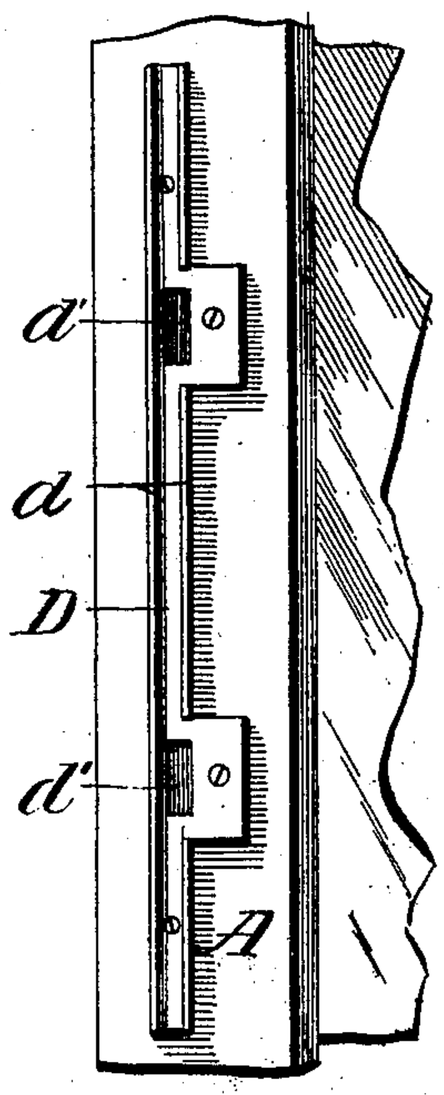

Fig. 3.

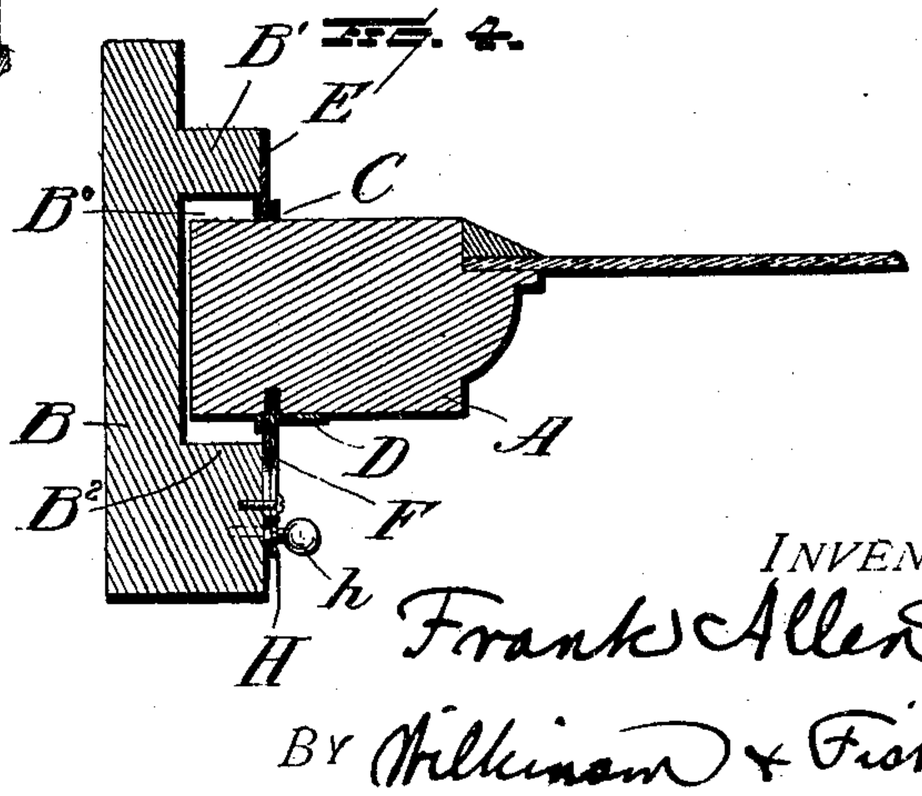

Fig. 4.

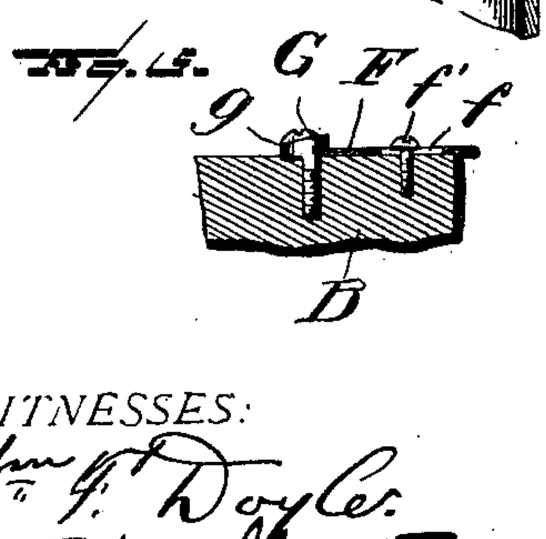

Fig. 5.

WITNESSES:

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UNITED STATES PATENT OFFICE.

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WEATHER-STRIP AND SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 683,097, dated September 24, 1901.

Application filed January 25, 1901. Serial No. 44,749. (No model.)

To all whom it may concern:

Be it known that I, FRANK ALLEN, a citizen of the United States, residing at Memphis, in the county of Shelby and State of Tennessee, have invented certain new and useful Improvements in Weather-Strips and 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 improvements in weather-strips and sash-fasteners; and it consists in certain novel features hereinafter described and claimed.

Reference is had to the accompanying drawings, in which the same parts are indicated by the same letters throughout the several views.

Figure 1 is a perspective view of the window-sash and attachments, parts being broken away. Fig. 2 is an enlarged detail view of a portion of the window-frame, the sash being removed. Fig. 3 is a detail view of a portion of the window-sash as removed from the window-frame. Fig. 4 represents a transverse section of the window sash and frame, and Fig. 5 is a detail view showing the mode of adjusting the weather-strip.

A represents the window-sash, constructed in the ordinary way, running in a groove B^0 between the strips B′ and B^2 of the frame B. On the outside of the window-sash a channel-bar C of metal is secured, which fits snugly against the plate E, fast to the outer rib B′ of the window-sash, as shown in Fig. 4, or if two sashes are used this plate E may be fast to the opposite sash, as shown in Fig. 1. On the inside of the window-sash is fastened a channel-bar D, having flanges *d* and one or more notches *d′* to engage the bolt H when desired. Into this channel-bar D the adjustable plate F projects. This plate is secured to the window-frame by means of the screw *f′*, which projects through the slots *f* into the plate, as shown in Fig. 2 and 3. In order to provide a nice adjustment for this plate F and to make a close joint between it and the channel-bar D, I provide the screws G with eccentric heads *g*, and by easing up on the small screws *f′*, turning these screws G to the desired position, so as to move the plate F snug up against the channel-bar D, and then screwing down again on the screws *f′* an extremely nice adjustment is secured, which may very readily be altered, from time to time, when required. By having the friction-surfaces small and of metal and protected by the flanges *d* the friction would be small at best, and a suitable lubricant can be used without soiling the curtains or other draperies at the window. Thus an extremely efficient and durable weather strip and antirattling device is provided.

In order to lock the sash at the desired height or to lock it when closed, I provide a bolt H, having a knob *h* and a slot *h′*, into which the screw h^2 projects, while the said bolt slides between two blocks h^3, fast to the plate F. This bolt is pushed into one or the other of the notches *d′* to lock the sash in the desired position. In Fig. 1 the bolt is shown as locking the sash in the closed position.

It will be obvious that various modifications may be made which could be used without departing from the spirit of my invention.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. The combination with a window-sash, of a channel-bar secured thereto, and an adjustable plate secured to the window-frame and projecting into said channel-bar, with eccentric-headed screws for adjusting said plate, substantially as described.

2. The combination with a window-sash and channel-bars secured thereto on opposite sides thereof, of metal plates projecting into said channel-bars from opposite sides of the sash, and eccentric-headed screws for adjusting the position of one of said plates, substantially as described.

3. The combination with a window-sash, of a channel-bar secured thereto, with notches therein, an adjustable plate secured to the window-frame and projecting into said channel-bar, and a bolt mounted on said plate and adapted to engage in said notches, substantially as described.

4. The combination with a window-sash and channel-bars secured thereto on opposite sides thereof, of metal plates projecting into said channel-bars from opposite sides of the sash, notches on the plate inside the window,

means for adjusting the position of the latter plate, and a bolt mounted on said plate and adapted to engage in said notches, substantially as described.

5. The combination with a window-sash, of a channel-bar secured thereto, with notches therein, an adjustable plate secured to the window-frame and projecting into said channel-bar, eccentric-headed screws for adjusting said plate, and a bolt mounted on said plate and adapted to engage in said notches, substantially as described.

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

FRANK ALLEN.

Witnesses:
L. T. M. CANADA,
FRANK E. HANSON.