

(No Model.)

C. LONGBOTTOM.
SASH OR DOOR FASTENER.

No. 333,240.

Patented Dec. 29, 1885.

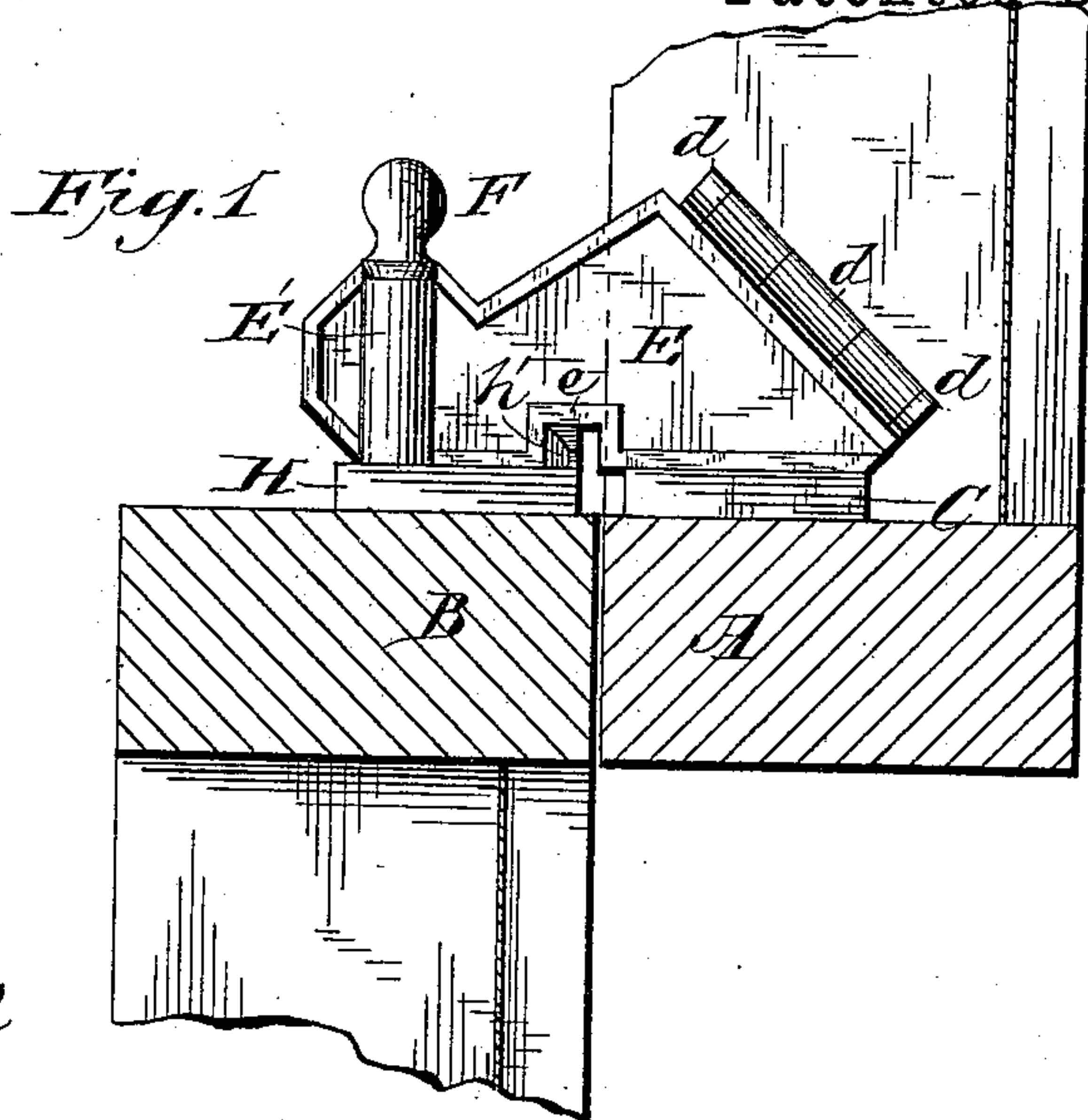


Fig. 2

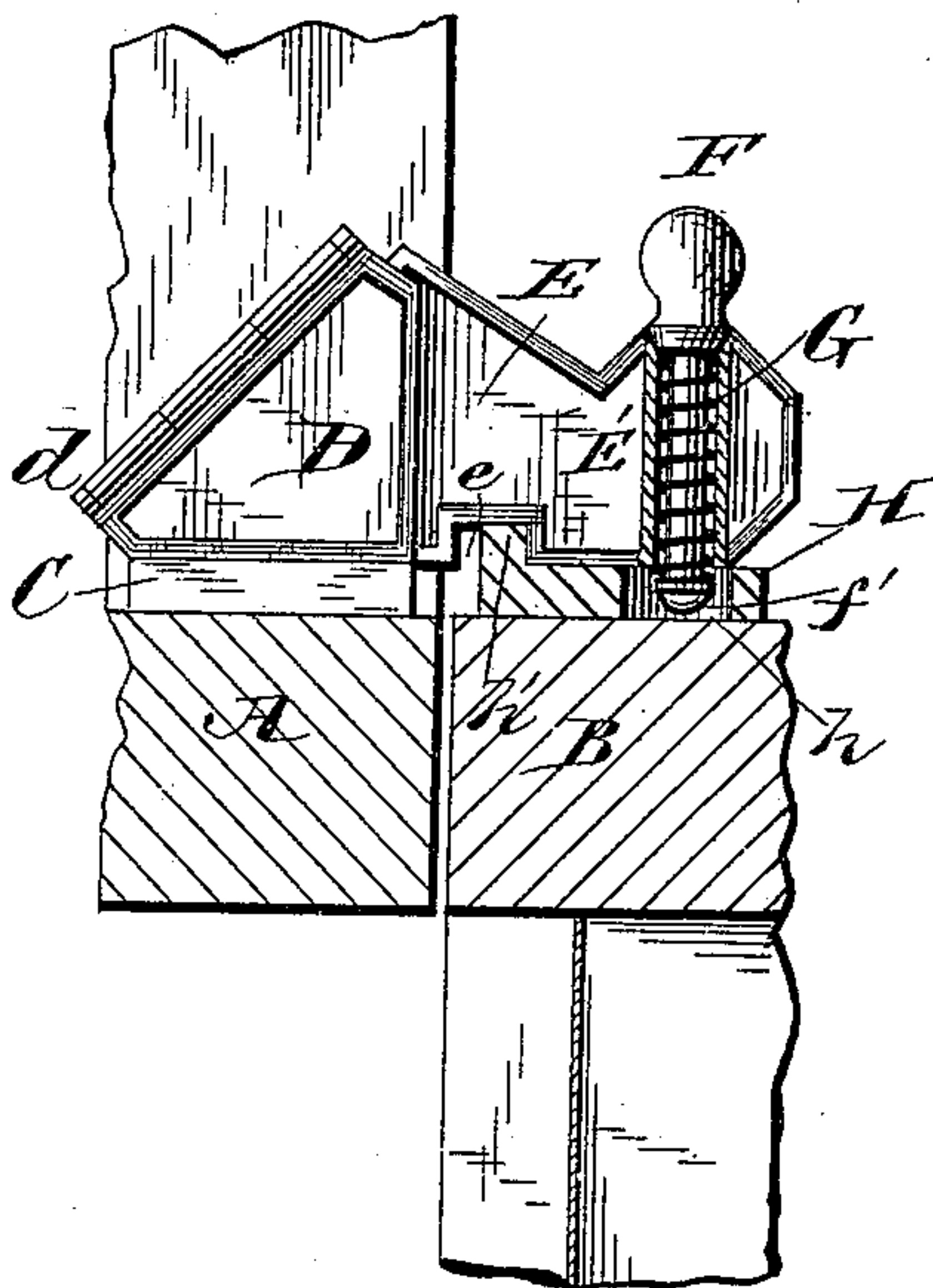


Fig. 3

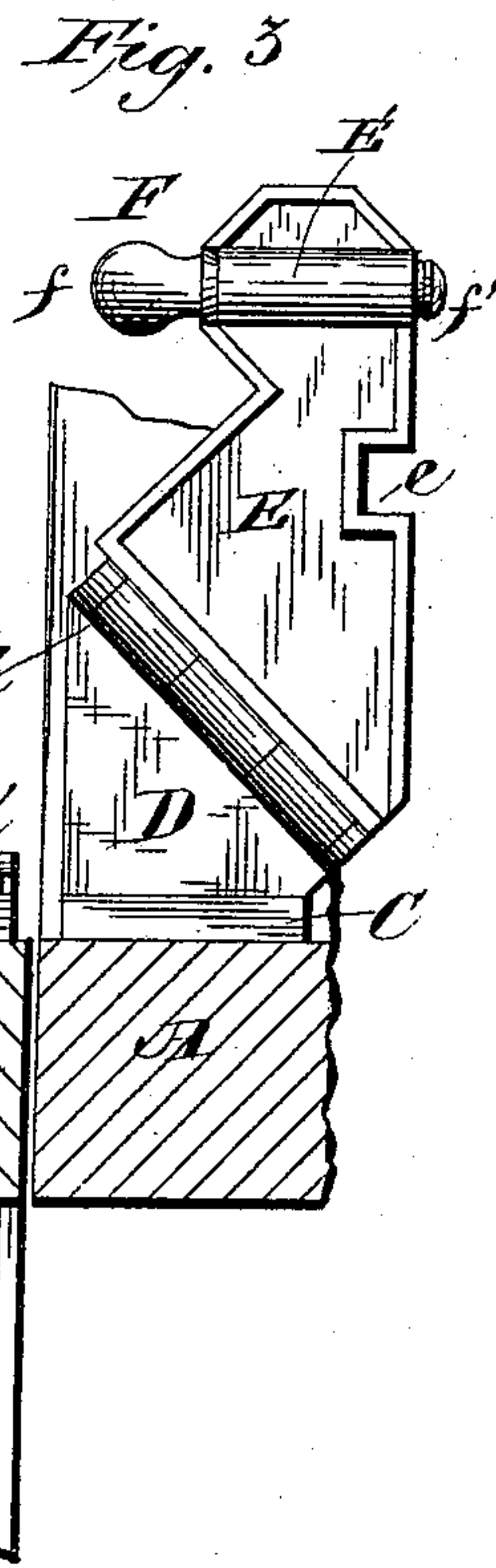
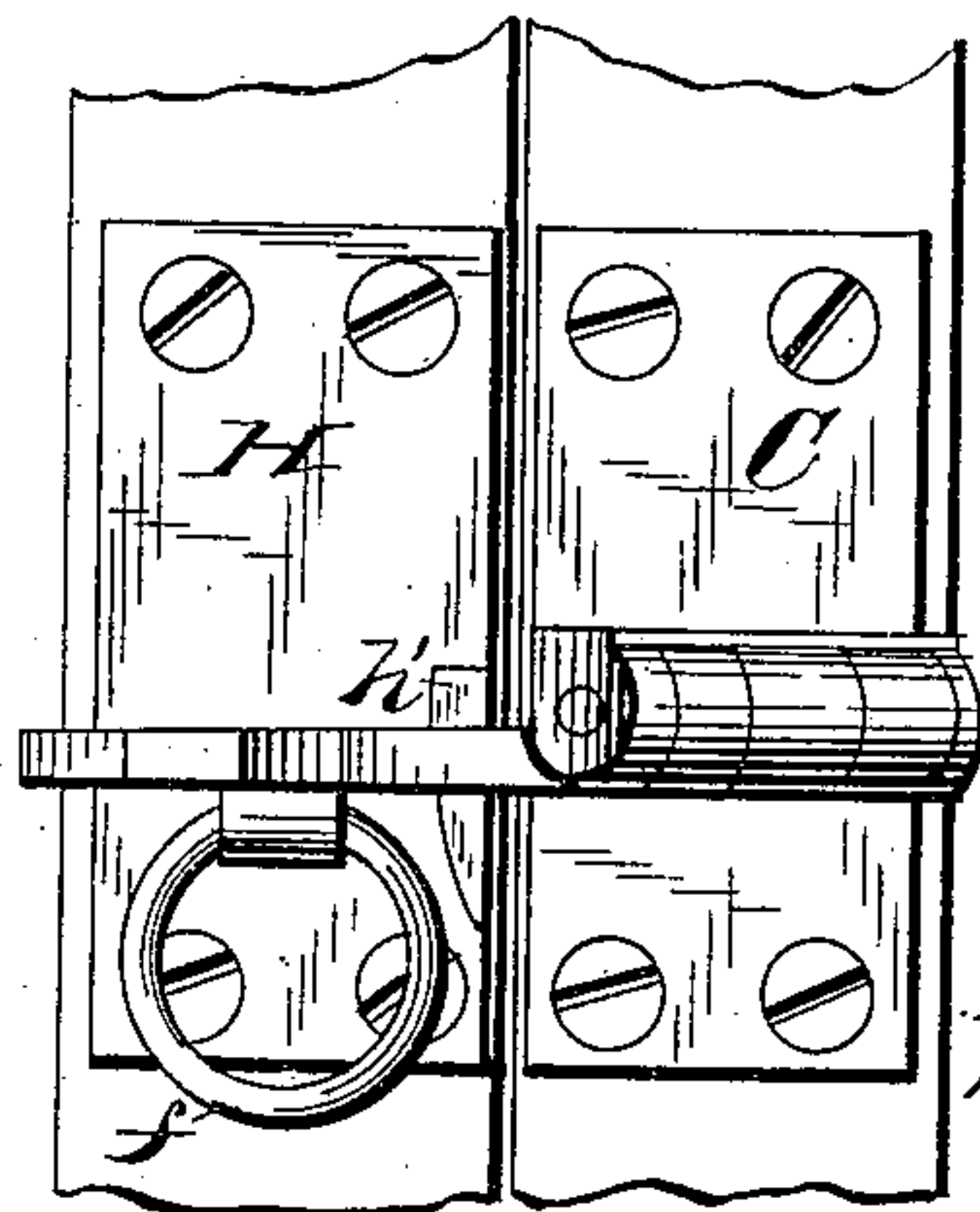


Fig. 4



Attest
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his atty

UNITED STATES PATENT OFFICE.

CHRISTOPHER LONGBOTTOM, OF BRADFORD, COUNTY OF YORK, ENGLAND.

SASH OR DOOR FASTENER.

SPECIFICATION forming part of Letters Patent No. 333,240, dated December 29, 1885.

Application filed June 4, 1885. Serial No. 167,611. (No model.)

To all whom it may concern:

Be it known that I, CHRISTOPHER LONGBOTTOM, a subject of the Queen of England, residing at Bradford, York, England, have
5 invented new and useful Improvements in Sash-Fasteners, which improvements are also applicable to door and other fasteners, of which the following is a specification.

This invention relates to sash or door
10 locks or fasteners; and it consists in the construction of the fastener or lock, substantially as hereinafter fully described.

In the accompanying drawings, Figures 1 and 2 are opposite side elevations of my improved sash or door lock or fastener, a portion of the same being shown in section in Fig. 2, and the meeting-rails of the sashes being shown in section in both figures. Fig. 3 is also a side elevation showing the locking
15 plate or latch fully thrown open. Fig. 4 is a face or plan view showing a slight modification of the latch and locking-plate, and Fig. 5 is a top plan view of the locking-plate.

A and B, Figs. 1, 2, and 3, indicate the
25 meeting-rails of a pair of window-sashes, and C a supporting-plate of metal secured to sash-rail A, on which plate is formed a standard, D, Figs. 2 and 3, the upper face of which is inclined to an angle of or about forty-five degrees. To the inclined face *d* of said standard D is hinged or pivoted a locking-latch,
30 E, that has a square notch or recess, *e*, formed in its lower or straight edge or face, and at or near its outer extremity said latch is provided with a locking bolt or pin, F. The
35 bolt or pin F is fitted in a tubular bearing, E', and has at one end a hand-hold, *f*, either in the form of a button, Fig. 3, or a ring, Fig. 5, and at the opposite end the said bolt
40 or pin F terminates in an enlarged head, *f'*. The latter end normally projects out of the tubular bearing under the stress of a coiled spring, G, Fig. 2.

H is a locking-plate secured to sash-rail B. Said plate has a slot, *h*, and a wedge-shaped ledge or projection, *h'*, the front and upper
45 faces of which are curvilinear.

Instead of applying the locking bolt or pin F at or near the outer end of the locking-plate
50 or latch E, said bolt or pin may be applied about midway of the plate, as shown in Fig. 4, and engage a suitable slot in said plate.

The operation of the lock or fastener may

be briefly described as follows: When the locking-plate is in the position shown in Fig. 55 3 and is turned down, the head *f'* of the locking pin or bolt F will engage the plate H, and as the said latch is pushed toward the slot *h* the pin will be forced upward against the stress or tension of the spring G until the
60 head of the bolt reaches the said slot *h*, when the spring will throw it downward or forward, as the case may be, and said bolt will be locked into position. At the same time the front and upper faces of the notch in latch E will en-
65 gage the corresponding curvilinear inclined faces of the projection or wedge-shaped ledge *h'* and force the two sashes together, thus forming a secure fastening therefor.

The fastener may equally as well be applied
70 to doors, as shown in Fig. 4, or other structures, and it is not absolutely necessary to employ a spring-actuated locking-bolt, as a gravity or other bolt may answer the same purposes.

Having now described the nature of my said invention, and how the same is to be performed, what I claim, and desire to secure by Letters Patent, is—

1. The herein-described lock or sash-fastener, consisting of the latch E, pivoted to a support at an angle of or about forty-five degrees with the under or working face of the latch, and a sliding locking pin or bolt connected to said latch, in combination with a locking-plate
85 provided with a slot for receiving the pin or bolt, substantially as and for the purposes specified.

2. The herein-described lock or sash-fastener, consisting of the latch E, provided with a
90 recess or notch, *e*, and pivoted or hinged to a support, C D, at an angle of or about forty-five degrees with the under or working face of the latch, and a spring-actuated bolt, F, connected to said latch, in combination with the
95 locking-plate H, provided with a slot, *h*, and the wedge-shaped projection *h'*, substantially as and for the purpose specified.

In testimony whereof I have hereunto set my hand in the presence of the two subscribing
100 witnesses.

CHRISTOPHER LONGBOTTOM.

Witnesses:

SAMUEL A. DRACUP,
DAVID NOWELL.