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Patented Aug. 20, 1901.

O. WILLIAMS.

KEEPER PLATE FOR FASTENERS OF SASHES.

(Application filed June 17, 1901.)

(No Model.)

Fig. 1.

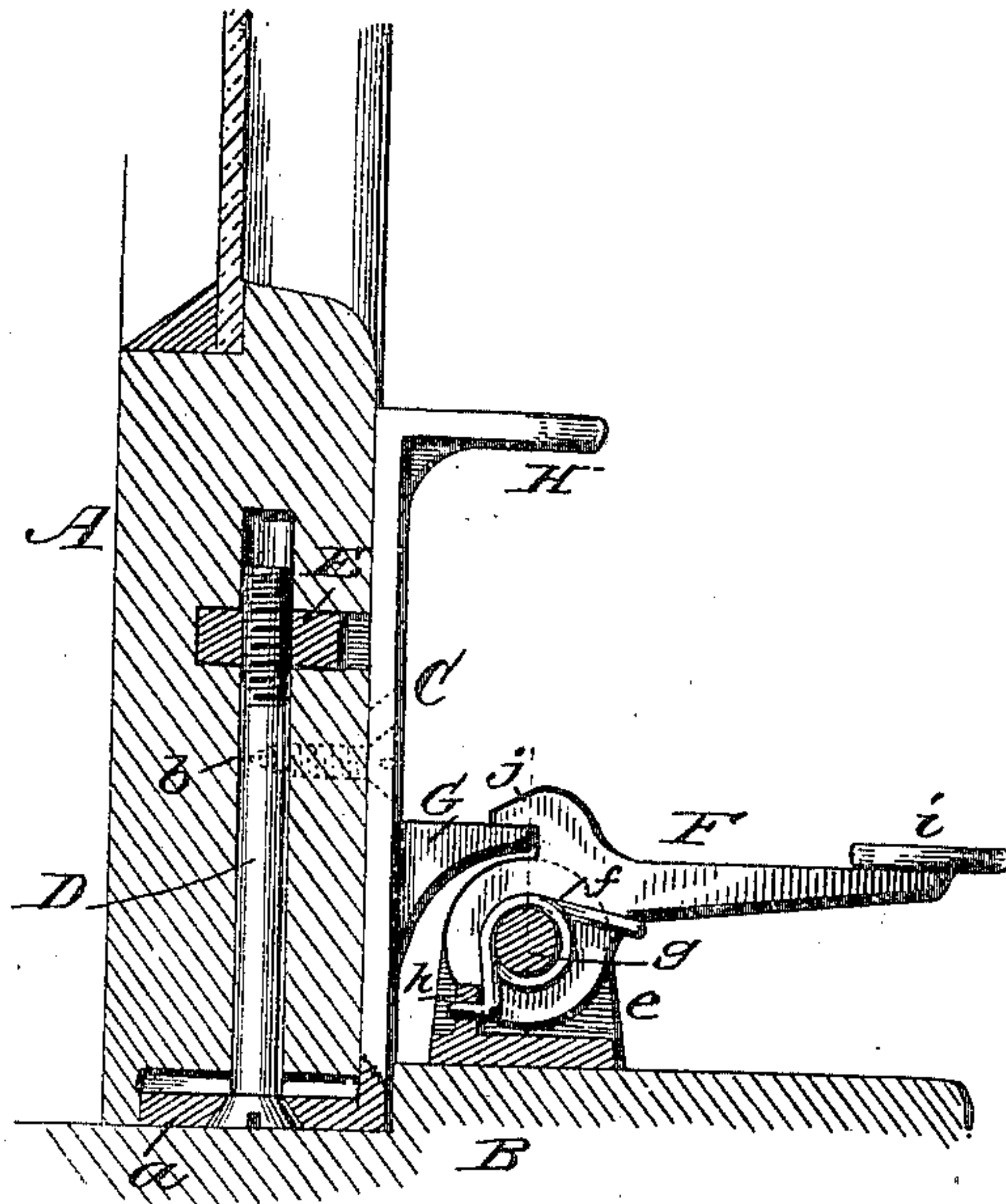


Fig. 3.

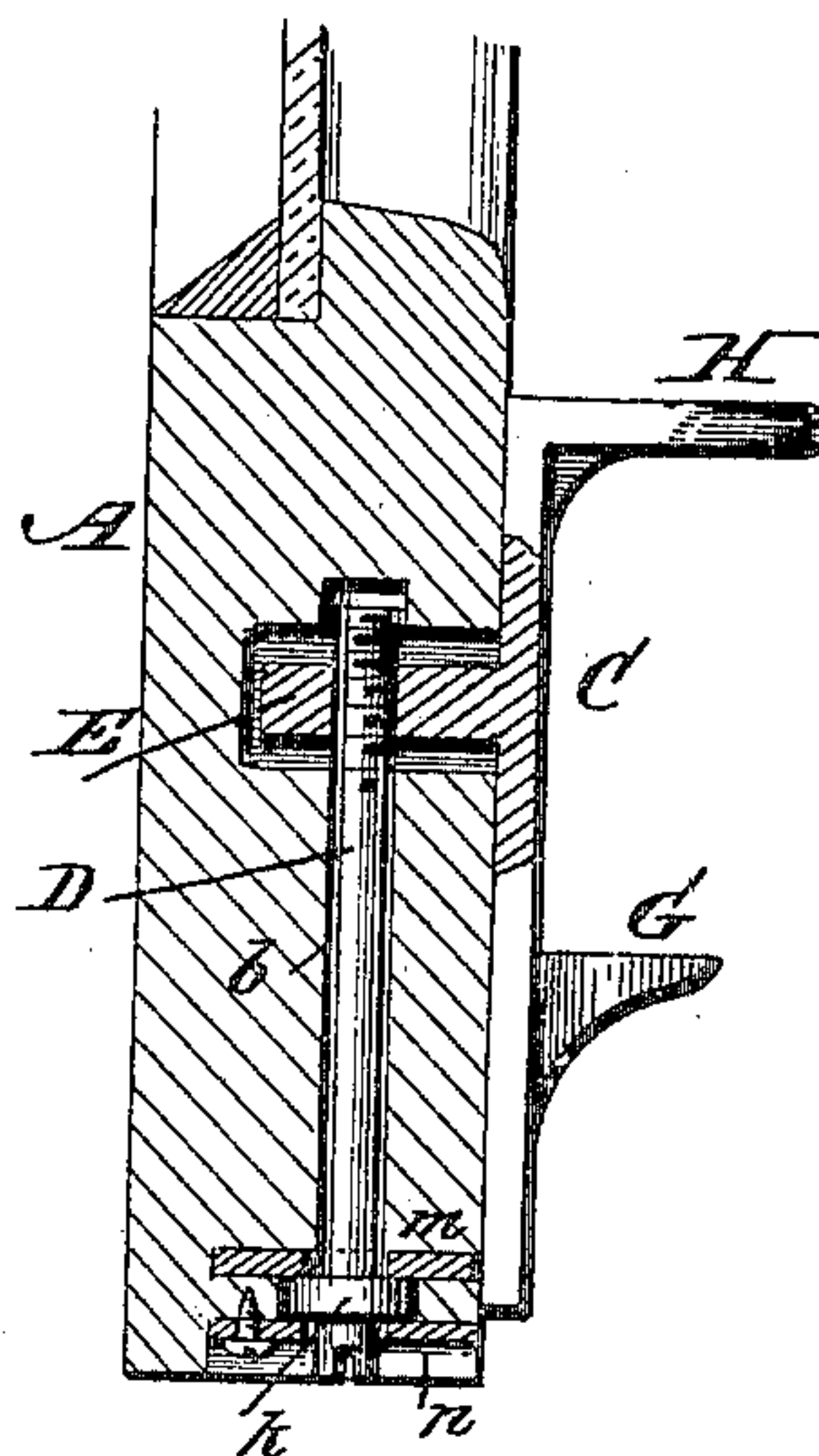
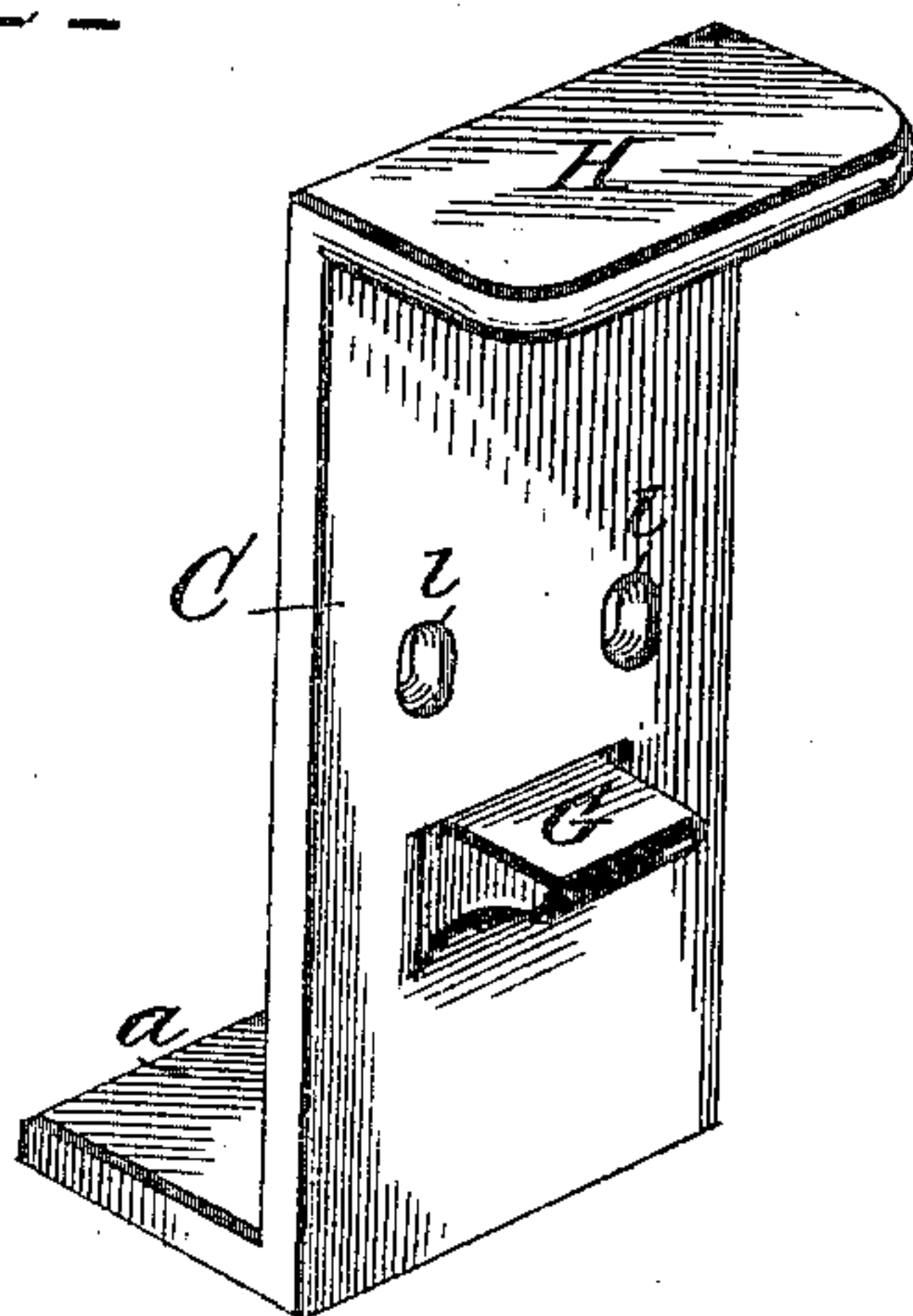


Fig. 2.



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KEEPER-PLATE FOR FASTENERS OF SASHES.

SPECIFICATION forming part of Letters Patent No. 680,954, dated August 20, 1901.

Application filed June 17, 1901. Serial No. 64,875. (No model.)

To all whom it may concern:

Be it known that I, OTIS WILLIAMS, a citizen of the United States, residing at St. Johnsville, in the county of Montgomery and State of New York, have invented certain new and useful Improvements in Keeper-Plates for the Fasteners of Window-Sashes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has for its object to provide a keeper-plate for the latches or bolts of window-sashes that is capable of vertical adjustment through a simple and effective means whereby the keeper is adapted to the position of the latch or bolt; and it consists in a keeper-plate and means for its adjustment substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings is a side elevation, partly in section, showing the keeper-plate connected to the lower rail of a window-sash and the means employed for adjusting it, also the spring-actuated latch secured to the window frame or sill and engaging the keeper of the plate; Fig. 2, a detail view in perspective of the keeper-plate; Fig. 3, a side elevation, partly in section, showing a modification of the keeper-plate.

In the accompanying drawings, A represents a sectional view of the lower horizontal rail of a window-sash, to which is adjustably connected the keeper-plate C, and B represents the window frame or sill to which the latch or bolt is connected.

The keeper-plate C may be of any suitable form or shape and either ornamental or plain, as found most desirable, and may be constructed of any suitable metal, the lower end of this keeper-plate being provided with a horizontal flange *a*, to extend under the rail of the sash and allow the adjustment of the keeper-plate by the regulating screw-rod D.

The plate C is held securely against the inner side of the rail A by screws, as shown in dotted lines of Fig. 1 of the drawings, said screws extending through elongated holes *l* in the plate, so as to allow the required vertical movement of the plate when it is being adjusted.

The means employed for regulating the keeper-plate comprises the screw-rod D and nut E, the upper end of the rod only being screw-threaded to engage the screw-threads of the nut. In Fig. 1 of the drawings I have shown this screw-nut as being separate and independent of the keeper-plate and held stationary or prevented from turning by being seated in a mortise formed in the sash or by any other means found most desirable. The regulating screw-rod D extends up through a mortise *b* in the rail of the sash and also through a hole in the horizontal flange *a*, the mortise *b* being of sufficient length to admit of the required lengthwise movement of the screw-rod, a space being left between the under side of the sash-rail and the flange *a* to allow of the vertical adjustment of the keeper-plate. The straight-sided nut E, which remains stationary while the screw-rod is being turned, enables the plate to be adjusted vertically to any desired degree necessary to adapt the keeper of the plate to the kind of fastener used, such as a latch or bolt. In the present instance I have shown a spring-actuated latch F, which is pivotally connected to an upright bracket *e* on the frame or sill B. A suitable spring *f* extends around the pivot-bearing *g* and its respective ends engaging the pin *h* on the bracket and the opposite end of the spring-bearing under the latch, said latch having a pressure-button *i* or other suitable means for pressing down the latch with the finger. The latch F is provided with a flange end *j* to engage a suitable keeper G, which in the present instance is in the form of a projecting lug, as shown.

Any suitable keeper upon the plate may be provided and any suitable latch or bolt or other locking device, as I do not wish to be understood as limiting my invention to any particular form of keeper or the means used for engaging therewith.

For the proper adjustment of the keeper-plate it is not necessary to limit my invention to the construction shown in Fig. 1 of the drawings, as the nut E in place of being independent and separate from the plate may be cast with it, as shown in Fig. 3 of the drawings, the nut instead of being stationary moving with the plate. In this construction the mortise in the rail of the window-sash

must be of sufficient depth to allow the required movement of the nut with the plate in the turning of the screw-rod D. The flange *a* is let off the plate C when constructed as shown in Fig. 3 of the drawings and two washers *m n* are used, which are let into the sash-rail, the lower one of said washers being secured to the rail by screws and the regulating screw-rod having a collar *k* located between the washers.

The keeper-plate C, having the nut E integral therewith, will hold the plate against the sash-rail without the necessity of any further means, the flange at the bottom of the plate, as well as the holes for the screws, as shown in Fig. 2 of the drawings, being dispensed with.

The keeper-plate at its upper end is provided with the usual sash-lift H, and when a latch is used, as shown in Fig. 1 of the drawings, the keeper G will engage the flange *j* of the latch F at a point directly above the center of the pivoted bearing *g*, as indicated in dotted lines, so that the keeper will not slip off or disengage itself from the flange end *j* by the lifting of the sash from the outside or from accident.

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

1. A keeper-plate for window-sashes and means for adjusting the plate upon the sash, consisting of an adjusting-screw and nut, said nut engaging a mortise in the sash and the adjusting screw-rod extending up through the lower rail of the sash and engaging the

nut, substantially as and for the purpose set forth.

2. A keeper-plate for window-sashes provided at its upper end with a sash-lift, and means for adjusting the height of the plate to adapt it to the latch or bolt, comprising a horizontal nut engaging the sash-rail and a vertical screw-rod engaging the nut, substantially as and for the purpose specified.

3. A keeper-plate for window-sashes having a horizontal flange at its lower end to extend under the sash-rail, and means for adjusting the plate, consisting of a nut and screw-rod, substantially as and for the purpose described.

4. A keeper-plate for window-sashes and means for adjustably connecting the plate to the sash, consisting of a stationary nut seated in a mortise in the sash-rail, an adjusting screw-rod extending up through the mortise in the rail and engaging the nut, substantially as and for the purpose set forth.

5. A keeper-plate having at its lower and upper ends respectively a horizontal flange to extend under the sash-rail and a lift, and means for adjusting the plate consisting of a nut and screw-rod engaging the same, substantially as and for the purpose described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

OTIS WILLIAMS.

Witnesses:

CHARLES MUNK,
CHARLES EIGENBROADT.