(No Model.)

I. BROKAW.

SASH HOLDER.

No. 384,607. Patented June 19, 1888.

Fig. 1.

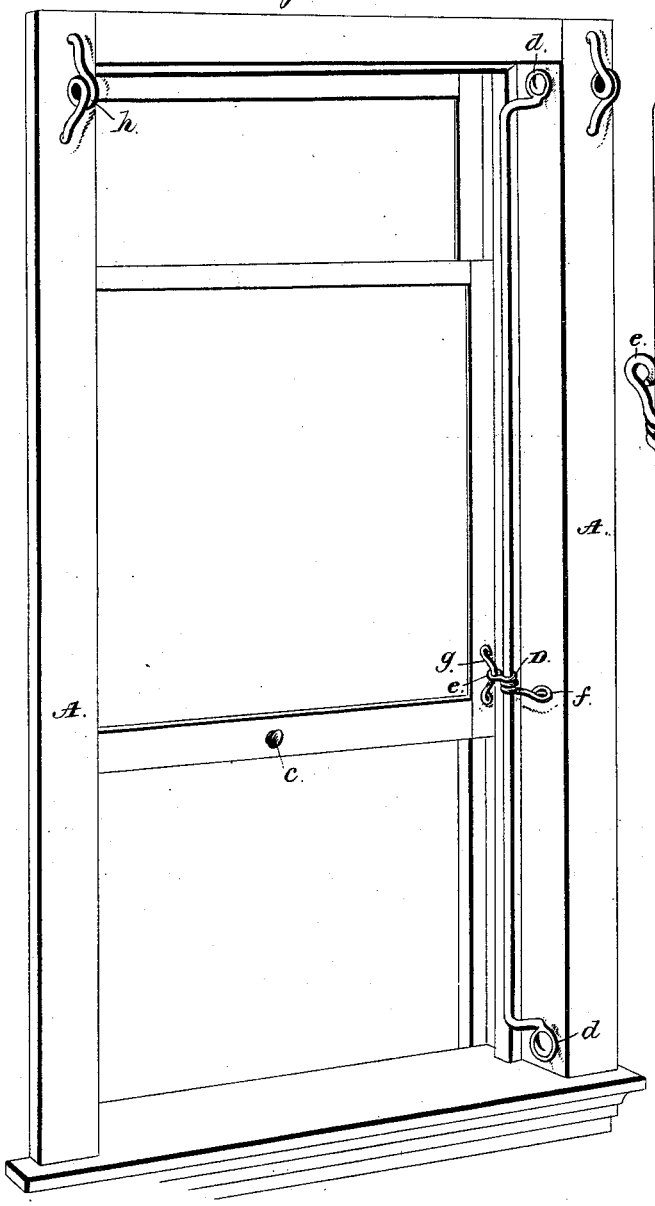

Fig. 2.

Witnesses,
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UNITED STATES PATENT OFFICE.

ISAAC BROKAW, OF LITCHFIELD, ILLINOIS, ASSIGNOR OF ONE-HALF TO AUGUST F. WARNEKE, OF SAME PLACE.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 384,607, dated June 19, 1888.

Application filed September 3, 1887. Serial No. 248,718. (No model.)

To all whom it may concern:

Be it known that I, ISAAC BROKAW, of Litchfield, in the county of Montgomery and State of Illinois, 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 an improved device for fastening window-sashes in any desired position.

The object is to provide a sash-fastener which shall be simple and compact in its construction, and at the same time effective in operation and cheap to manufacture.

A further object is to provide a device which may be applied to a window-frame to fasten the sash without defacing the frame, and one which may be affixed to windows already in position, whatever their construction may be.

A further object is to obviate the use of weights to hold the sash at any desired elevation, and in lieu thereof to produce a cheaper and equally as effective a device for that purpose.

With these objects in view my invention consists in the novel construction and peculiar combination and arrangement of parts, as will be hereinafter more fully set forth, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective view of a window having my improvement applied thereto. Fig. 2 is a detached view of the guide-rod and friction-clutch.

A indicates a window-frame of the usual construction, but without weight-boxes and pulleys, which are rendered unnecessary by the use of my device. The jambs *a a'* of the frame are provided with guiding-beads *b*, between which a sash, B, is adapted to slide in the ordinary manner. A knob, *c*, may be fixed to the sash to afford means for raising the same. A guide-rod, C, having its ends bent at right angles to its main portion and formed into eyes or loops *d* at the extremities, is fixed to the jamb *a'*, near its inner edge, by means of screws or bolts passing through the eyes *d* and into the window-frame. This guide-rod C may be made of wire and bent as above described, or it may be made of forged or cast metal and provided with perforations at its free ends, as shown in Fig. 3.

A frictional clutch, D, is adapted to slide upon the guide-rod C, from end to end thereof, as the sash is raised or lowered, this clutch being preferably made of stout wire coiled loosely about the rod C, and having its free extremities extended in opposite directions and bent into loops *e f*. The loop *e* is adapted to enter an eye, *g*, which latter is also preferably made of wire and affixed to the sash B, as shown in Fig. 1, thus producing a loose connection between the guide-rod C and sash B. The loop *f*, at the free end of the wire forming the clutch, serves as a thumb-piece by which the clutch may be operated.

To operate a sash having this device affixed thereto, it is simply necessary to grasp the thumb-piece *f* of the clutch and the knob *c* of the sash and raise both together, whereupon the clutch D will slide freely upon the rod C until the sash has reached the desired height, when the hold upon the knob and clutch is removed. The weight of the sash will then be brought to bear upon the loop *e*, thereby depressing it, and thus making the clutch D bite or bind against the guide-rod. When it is desired to lower the sash, the thumb-piece *f* is depressed sufficiently to release the grip of the clutch upon the guide-rod, and thus allow the clutch to slide freely thereon, it being necessary for the operator to keep the clutch released until the sash is lowered to the desired point, when, by the weight of the sash, the clutch will again grip its guide-rod and lock the sash in position.

It is evident that this frictional-clutch device is equally applicable in the operation of curtains.

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

The combination, with a window frame and sash, the latter having a loop secured thereto, of a guide-rod secured to the frame in close proximity to the loop, and a friction-clutch,

the latter consisting of a wire coiled loose around the guide-rod and adapted to slide thereon, this clutch having one end bent around the loop on the sash and the opposite end bent to form a thumb-piece, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

ISAAC BROKAW.

Witnesses:
COL. A. OLLER,
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