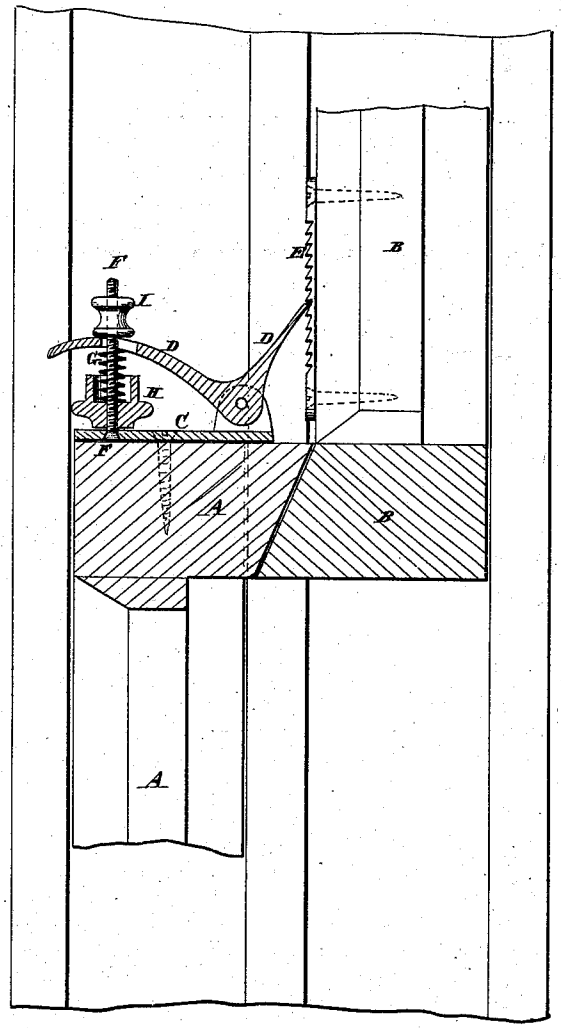
F. J. HOYT.

SASH-FASTENER.

No. 192,919. Patented July 10, 1877.



WITNESSES:

A. W. Almquist

J. H. Scarborough.

INVENTOR:

F. J. Hoyt.

BY Munn & Co

ATTORNEYS.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

FREDERICK J. HOYT, OF NEW YORK, N. Y.

IMPROVEMENT IN SASH-FASTENERS.

Specification forming part of Letters Patent No. **192,919**, dated July 10, 1877; application filed May 28, 1877.

To all whom it may concern:

Be it known that I, FREDERICK J. HOYT, of city, county, and State of New York, have invented a new and useful Improvement in Sash-Lock, of which the following is a specification:

The figure is a vertical section of my improved device shown as applied to a window-sash.

The object of this invention is to furnish an improved lock for window-sashes, which shall be so constructed that it cannot be unfastened or forced off from the outside of a window, which will lock the sash when partly raised in such way that it cannot be opened any farther, but may be closed from the outside, and which shall be simple in construction, and easily applied and adjusted.

The invention consists in the combination of the base-plate, bent-lever pawl, the rack-plate, the rod, and the spiral spring with each other to adapt them to be applied to the sashes of a window; in the combination of the base-plate, the bent-lever pawl, the rack-plate, the screw-rod, and the nut for locking the pawl in place when engaged with the rack-plate; and in the combination of the base-plate, the bent pawl, the rack-plate, the screw-rod, and the nut for locking the pawl in place when withdrawn from the rack-plate, as hereinafter more fully described and claimed.

A represents the lower sash, and B represents the upper sash, of a window. To the top rail of the lower sash is secured a plate, C, having lugs formed upon it near its inner edge, to which is pivoted, at its angle, a bent-lever pawl, D. The engaging end of the pawl D engages with the ratchet-teeth formed upon a plate, E, which is secured to the forward side of the side rail of the upper sash B, and which may be of any desired length. The other or outer end of the pawl D is slotted to receive a screw-rod, F, the lower end of which is secured to the plate C, and upon which is placed a spiral spring, G, which presses against the lower side of the outer end of the pawl D, and holds its engaging end pressed against the rack-plate E. The lower end of the spiral spring G may rest upon the plate C, or in a cavity of the nut H, when said nut is used. By screwing the nut H up against the outer arm of the pawl D, its engaging end will be locked against the rack-plate E, so that it cannot be withdrawn until the said nut has been turned down. Upon the upper end of the screw-rod F is secured a nut, I, so that by turning the said nut I down against the outer arm of the pawl D, the engaging end of said pawl will be held away from the rack-plate E, allowing the sash to be raised and lowered freely.

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

1. The combination of the base-plate C, the bent-lever pawl D, the rack-plate E, the rod F, and the spiral spring G, with each other, to adapt them to be applied to the sashes of a window, substantially as herein shown and described.

2. The combination of the base-plate C, the bent-lever pawl D, the rack-plate E, the screw-rod F, and the nut H, with each other, for locking the pawl D in place when engaged with the plate E, substantially as herein shown and described.

3. The combination of the base-plate C, the bent-lever pawl D, the rack-plate E, the screw-rod F, and the nut I, with each other, for locking the pawl D in place when disengaged from the rack-plate E, substantially as herein shown and described.

FREDERICK J. HOYT.

Witnesses:

JAMES T. GRAHAM,

C. SEDGWICK.