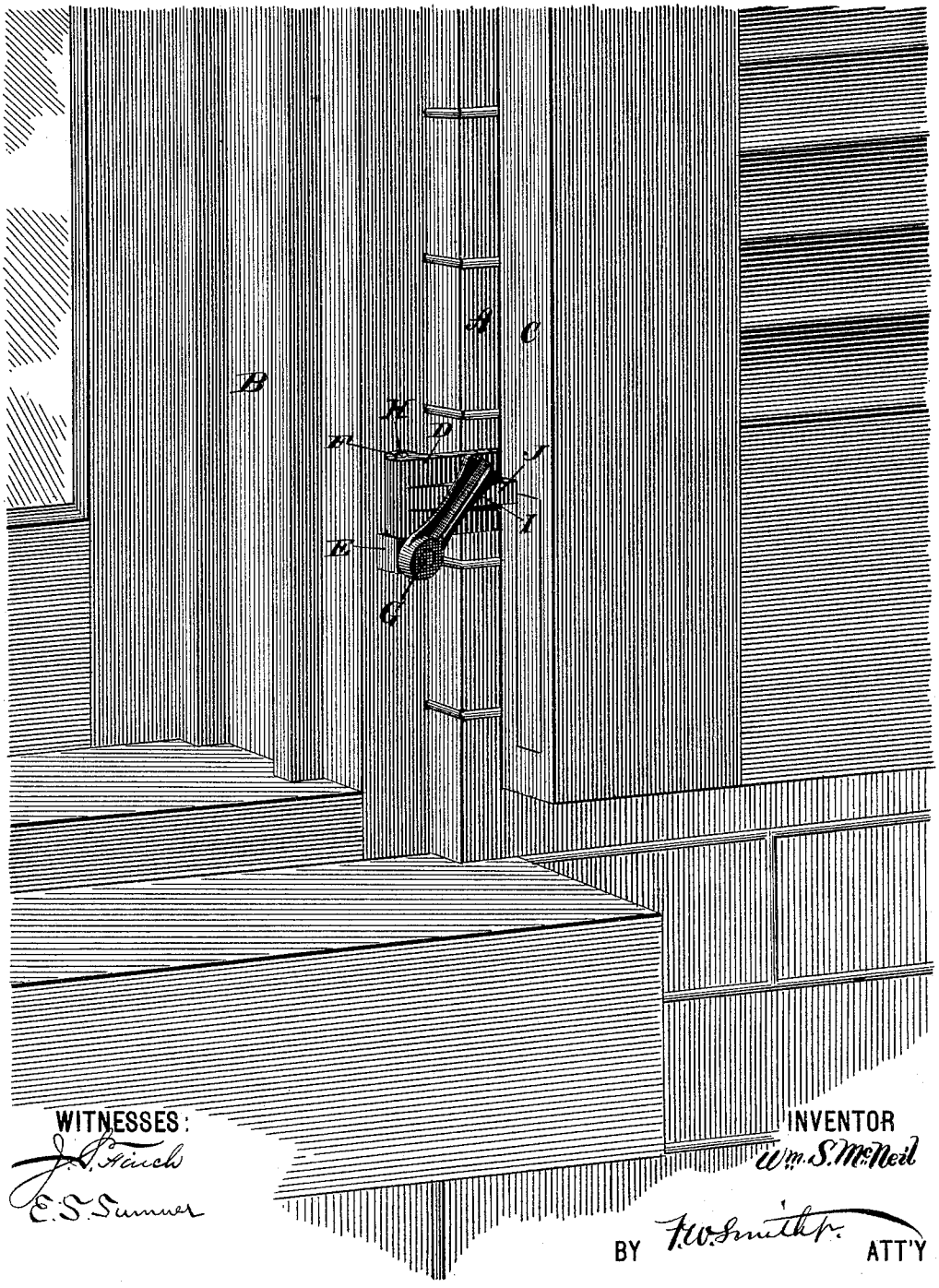
(No Model.)

W. S. McNEIL.

LOCK HINGE.

No. 416,120. Patented Nov. 26, 1889.



N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM S. MCNEIL, OF BRIDGEPORT, CONNECTICUT.

LOCK-HINGE.

SPECIFICATION forming part of Letters Patent No. 416,120, dated November 26, 1889.

Application filed August 23, 1889. Serial No. 321,743. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM S. MCNEIL, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Lock-Hinges; 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 has reference to certain new and useful improvements in devices for securing window blinds or shutters when opened, and has for its object to provide a simple device for this purpose, and furthermore to locate said device so that it will be of easy access from the window.

With these ends in view my invention consists in the details of construction and combination of elements, such as will be hereinafter fully set forth, and then specifically designated by the claims.

In the accompanying drawing, a broken perspective illustrates my invention, the blind being shown as locked in its open position.

A is the wall of a building, and B represents the window-opening.

C is the blind or shutter, and D the lower hinge-leaf, to which the shutter is secured in the usual manner. The hanger-support E is secured within the wall in the ordinary manner, and has projecting therefrom the pintles F G. The pintle F extends vertically from the top of the hanger and constitutes the pivotal support for the eye H of the hinge-leaf D, while the pintle G extends laterally and outwardly from said hanger, to afford a pivotal support for a button I. This button is pivoted around the pintle G, so as to turn freely.

J is an inclined fin cast with or struck up from the face of the leaf D, or secured thereto in any suitable manner. This fin is located at the extreme heel end of said leaf, is inclined outwardly, and terminates against or in close proximity to the inner edge of the shutter.

The operation of my improvement is as follows: When the shutter is swung back the button is turned up and forced against the inclined fin from the base outward, the rear edge of the shutter acting as a stop to said button in case the latter is forced to the end of said fin. The action of the button against the fin is like that of a cam, and the result is that the shutter is firmly secured as against any accidental closing. The button will readily drop by gravity to a depending position after it has been retracted beyond a vertical plane.

The advantage of securing an open shutter at a point ready of access from the window will be appreciated, especially during inclement weather.

I claim—

1. A lock-hinge consisting of an inclined fin upon the lower hinge-leaf and a button pivoted independent of said leaf and adapted to be swung against and across said fin, substantially as set forth.

2. The combination, with the lower hinge-leaf having formed therewith or secured thereto the inclined fin, of the button pivoted to the hanger-support, substantially as shown and described.

3. The combination, with the lower hinge-leaf having an inclined fin extending against the rear edge of the shutter, of the hanger-support provided with upwardly and outwardly projecting pintles and the button, said leaf and button being pivoted, respectively, around said pintles, substantially as set forth.

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

WILLIAM S. MCNEIL.

Witnesses:
F. W. SMITH, Jr.,
JNO. S. FINCH.