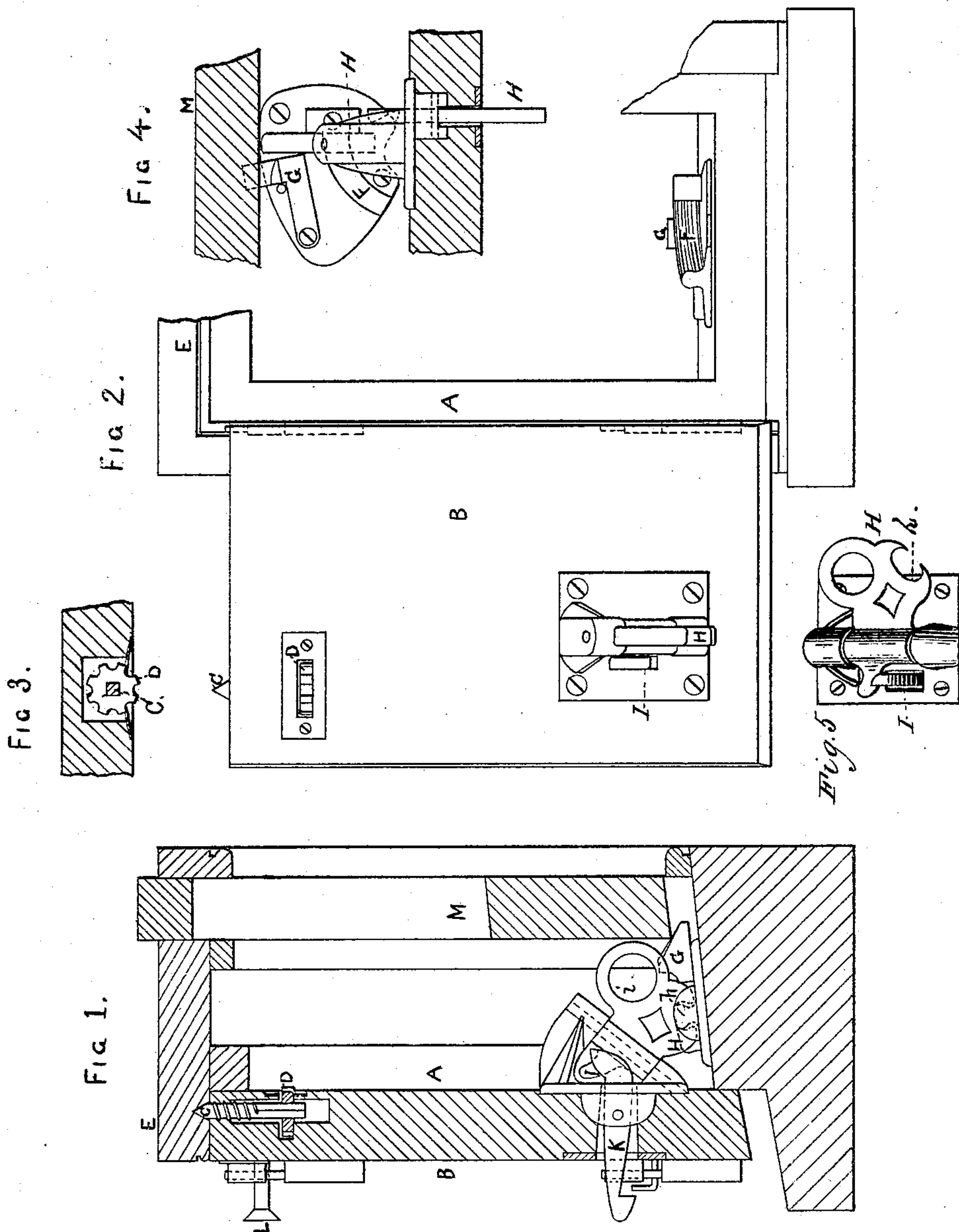


**P. WEIGAND.**  
**Shutter-Fastenings.**

No. 149,271.

Patented March 31, 1874.



WITNESSES.

*J. P. Truesdell*  
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INVENTOR.



# UNITED STATES PATENT OFFICE.

PHILIPP WEIGAND, OF WESTCHESTER, NEW YORK.

## IMPROVEMENT IN SHUTTER-FASTENINGS.

Specification forming part of Letters Patent No. 149,271, dated March 31, 1874; application filed January 19, 1874.

*To all whom it may concern:*

Be it known that I, PHILIPP WEIGAND, of Westchester, Westchester county, New York, have invented, made, and applied to use, a new and useful Blind and Shutter Fastener, of which the following is a specification, reference being had to the accompanying drawing, and to the letters of reference marked thereon, in which—

Figure 1 is a sectional view of a blind or shutter, closed, and provided with my improved fastener. Fig. 2 is a view of a blind or shutter, open, to which my fastener has been applied. Fig. 3 is a sectional view of the wheel used to regulate the screw inserted in top of blind. Fig. 4 is a top view of the track, brace, and fastener. Fig. 5 is a detached view of the swinging fastener.

In the drawing, like parts of the invention are pointed out by the same letters of reference.

The nature of the present invention consists in the novel arrangement and combination of a swinging fastener, formed of a sheet of metal, provided with a recessed opening and tongue, and having a curved track and movable brace, all as hereinafter more fully described; also, in combining, with the fastener and its track, an auxiliary fastening-pin, placed at the top of the blind or shutter, and, by the rising nature of the same, engaging with a hole or opening in the window-casing, the object of the invention being to provide a secure and reliable fastener for blinds and shutters, and at the same time to prevent the "sagging" or winding of the blind or shutter to which the same shall be attached.

To enable those skilled in the art to make and use my invention, I will describe the construction and operation of the same.

A shows the window-casing, to which the blind or shutter B is attached. C shows a pin, as an auxiliary fastener, inserted in the upper end of the blind or shutter B, and having upon its lower end a toothed wheel, D, projecting beyond the interior of the blind or shutter B, by moving which wheel the pin C may be raised or lowered as required. This auxiliary fastening-pin C is intended to enter an opening in the bottom edge of the top casing E. F shows a curved track secured

upon the window-sill, and upon the plate supporting this track is hung a movable brace, G, the object of which will be more fully explained hereinafter. H shows the swinging fastener for fastening the blind or shutter B. This consists of a plate of metal attached to the blind or shutter B upon its interior, within which is hung a swinging plate of metal, provided with a recessed opening, *h*, and opening *i*, for the introduction of the finger of the operator, and a projecting tongue, I, by which it is intended the hook K, for fastening the blind or shutter when open, can be operated. L is a screw inserted in the siding of the house, and serves to stop the blind when open. M is the window-sash.

Such being the construction, the operation may be thus described.

We will suppose the blind or shutter to be open, and that it is necessary to close the same. The hand of the operator is extended and grasps the swinging plate, and turns the same so that the projecting tongue I of the same is brought to bear upon the end of the hook K, depressing the same and raising the forward end of the hook free from the lipped plate secured upon the side of the building. The blind or shutter may then be closed by drawing the same toward the window-casing E, and bringing the recessed opening *h* in the swinging plate over the curved track F, and moving the same over this curved track F for its full length. As the swinging plate passes over this curved track F it raises the blind or shutter B, and thus forces the auxiliary fastening-pin C into the opening in the bottom edge of the top casing E. The blind or shutter B is thus locked or secured at its top. When the blind or shutter B has been closed, the movable brace G is moved forward against the swinging fastener H, which is confined between the projecting end of the curved track F and movable brace G. The window-sash M may then be shut down, and its lower portion bears against the movable brace G.

It will be seen that, should the operator neglect to move forward the brace G, the same will be thrown forward automatically by the downward movement of the window-sash M.

To open the blind or shutter B, the movable brace G is drawn back, releasing it from its



bearing upon one side of the fastener, the recessed swinging plate of metal is moved along the curved track F, turning as it moves, by which movement the blind or shutter drops sufficiently to remove the auxiliary fastening-pin D from its position within the opening in the bottom edge of the top casing E, and the blind or shutter B is swung back until it strikes the screw L, and the hook K fastens the blind.

The advantages resulting from the use of a fastener constructed as described are, that the shutter or blind is securely locked at two points when closed, namely, at the top by the auxiliary fastening-pin, which enters the opening in the bottom edge of the casing E, and by the swinging fastener H resting upon the curved track, and held in position by the movable brace G, against which the sash M bears; that, by the use of the auxiliary fastening-pin C entering the opening in the casing E, the blind or shutter is prevented from sagging and winding, and that, when opened, the blind or shutter is firmly held in position by the stop and hook, and all rattling of the same is prevented.

In case of the formation of ice upon the

window-sill, the auxiliary fastening-pin C can be easily raised or lowered by means of the toothed wheel D.

Having now set forth my invention, what I claim as new is—

1. The combination of the swinging fastener H, having recessed opening h and tongue I, with the curved track F, all constructed, arranged, and operating substantially as described and shown, for the purpose set forth.

2. In combination with the fastener H, formed as described, and its curved track F, the movable braces G, thrown forward by the downward movement of the window-sash, substantially as and for the purpose specified.

3. In combination with fastener H and curved track F, the auxiliary fastening-pin C, having toothed wheel D, and engaging automatically in a hole or opening in window-casing E, when the blind or shutter is closed, all substantially as and for the purpose set forth.

PHILIPP WEIGAND.

Witnesses:

A. SIDNEY DOANE,  
ISAAC P. HUBBARD.