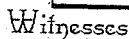


G. W. COUNTRYMAN.  
SASH FASTENER.

Patented Jan. 28, 1890.



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# UNITED STATES PATENT OFFICE.

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## SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 420,144, dated January 28, 1890.

Application filed Mar. 16, 1889. Serial No. 310,930. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE W. COUNTRYMAN, a citizen of the United States, residing at Birmingham, in the county of Van Buren and State of Iowa, have invented a new and useful Sash-Lock, of which the following is a specification.

This invention relates to sash locks and holders for windows; and the same consists, broadly, of a notched rod supported by and depending from the center of the top horizontal rail of the window-frame and adapted to pass loosely through a hole in the top horizontal rail of the lower sash, of spring-actuated catches carried by the two sashes and adapted to make detachable connection with the notches in said rod, and of certain details of construction and arrangements of parts, all as fully described hereinafter, and illustrated in the accompanying drawings.

In the said drawings, wherein the same letters of reference are applied to corresponding parts throughout, Figure 1 is an elevation of a window from the inside with my device attached. Fig. 2 is a central vertical section thereof. Fig. 3 is an enlarged horizontal section of the upper catch on the line 3 3 of Fig. 2. Fig. 4 is an enlarged perspective detail of the catch proper. Fig. 5 is an enlarged bottom plan of the lower catch. Fig. 6 is an enlarged perspective detail of the catch proper.

Referring by letter to the drawings, F designates the window-frame, U the upper sash, L the lower sash, S S the stiles in said sashes, and G the window-glass, all of said parts being of the ordinary and well-known construction.

k is a cleat, screw-eye, or other apertured device, in which the L-shaped upper end *r* of the rod R engages; or, if preferred, this upper end may be straight and screwed or bolted into or through the upper horizontal rail *f* of the frame. The rod R stands in front of the upper stile S and behind the lower stile, and at its lower free end is adapted to enter and pass loosely through a hole H in the upper horizontal rail I of the lower sash L. This rod is provided with upwardly-beveled notches N, preferably in its outer face.

To the inner face of the upper horizontal rail *u* of the upper sash U is removably secured a cleat K, (shown in horizontal section

in Fig. 3,) through a vertical hole H' in which the rod R is adapted to pass loosely when this sash is raised and lowered. A pawl P', having an upwardly-beveled front face *p'* and a protruding push end E', is seated in a suitably-shaped recess in the body of this cleat and pressed normally forward into engagement with the notches N in the rod by a coiled spring O', inserted between its rear end and the face of a supplemental removable plate A', secured to its back between its body and that of the rail *u*, in the act of attaching the cleat.

To the upper face of the upper horizontal rail I of the lower sash L is removably secured a cleat K<sup>2</sup>, (shown in bottom plan in Fig. 5,) through a vertical hole H<sup>2</sup> in which the rod R is adapted to pass loosely when this sash is raised and lowered. A pawl P<sup>2</sup>, having an upwardly-beveled face *p*<sup>2</sup> and a protruding push end E, is seated in a suitably-shaped recess in the body of this cleat and pressed normally forward into engagement with the notches N of the rod by a coil-spring O<sup>2</sup>, inserted between a lateral lug *p*<sup>2</sup> on its body and a projection J of the side of the recess, the whole being retained in place by a supplemental removable plate A<sup>2</sup>, secured to its bottom by screws *a*<sup>2</sup> or between its body and that of the rail I, in the act of attaching the cleat.

The above-described parts being properly assembled, the operation of my device is as follows: When it is desired to lower the upper sash, the push end E' is pressed upon, which throws the face *p'* of pawl P' out of engagement with the upper notch, where this sash was normally held in closed position, and it may be allowed to fall by its weight to the desired position. By releasing the push end E' at any time the pawl will engage one of the notches N and properly support the sash. When in its normal closed position, the lower sash is locked by the engagement of its pawl P<sup>2</sup> beneath the lower end of the rod R or in an inverted notch N at the proper point, as will be readily understood. To raise this sash, the push end E<sup>2</sup> is pressed upon, and in the manner above described the pawl P<sup>2</sup> will be disengaged from the lower end of the rod or the inverted notch therein, after which the sash may be lifted by hand to any desired point, and there retained and supported by

the pawl  $P^2$  when the pressure is removed. To lower this sash, the operation is the same as in lowering the upper sash.

It will be obvious that either sash may be raised without depressing the push ends, because of the upward bevel of the notches  $N$  and pawl-faces  $p' p^2$ ; also, that when the upper sash is lowered to its fullest extent its cleat  $K$  strikes the cleat  $K^2$  and prevents dislocation of parts, and when the lower sash is then raised the upper will be raised with it. The rod  $R$  is covered and hid from view at all times from the outside of the window by the upper stile  $S$  and from the inside when the lower sash is raised by the lower stile.

I claim as the salient points of my invention—

The pawl  $P^2$ , having the laterally-project-

ing lug  $p^3$ , the beveled face  $p^2$ , and the forwardly-projecting push end  $E'$ , in combination with the cleat  $K^2$ , having a recess in its body, said recess having the inward projection  $J$  at one side, the coiled spring  $O^2$  between said lug and projection, and the notched rod  $R$ , extending through a hole  $H^2$  in the body of the cleat, said face  $p^2$  making normal connection with one of the notches therein, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

GEORGE W. COUNTRYMAN.

Witnesses:

JOSIAH COUNTRYMAN,  
ADDISON KERR.