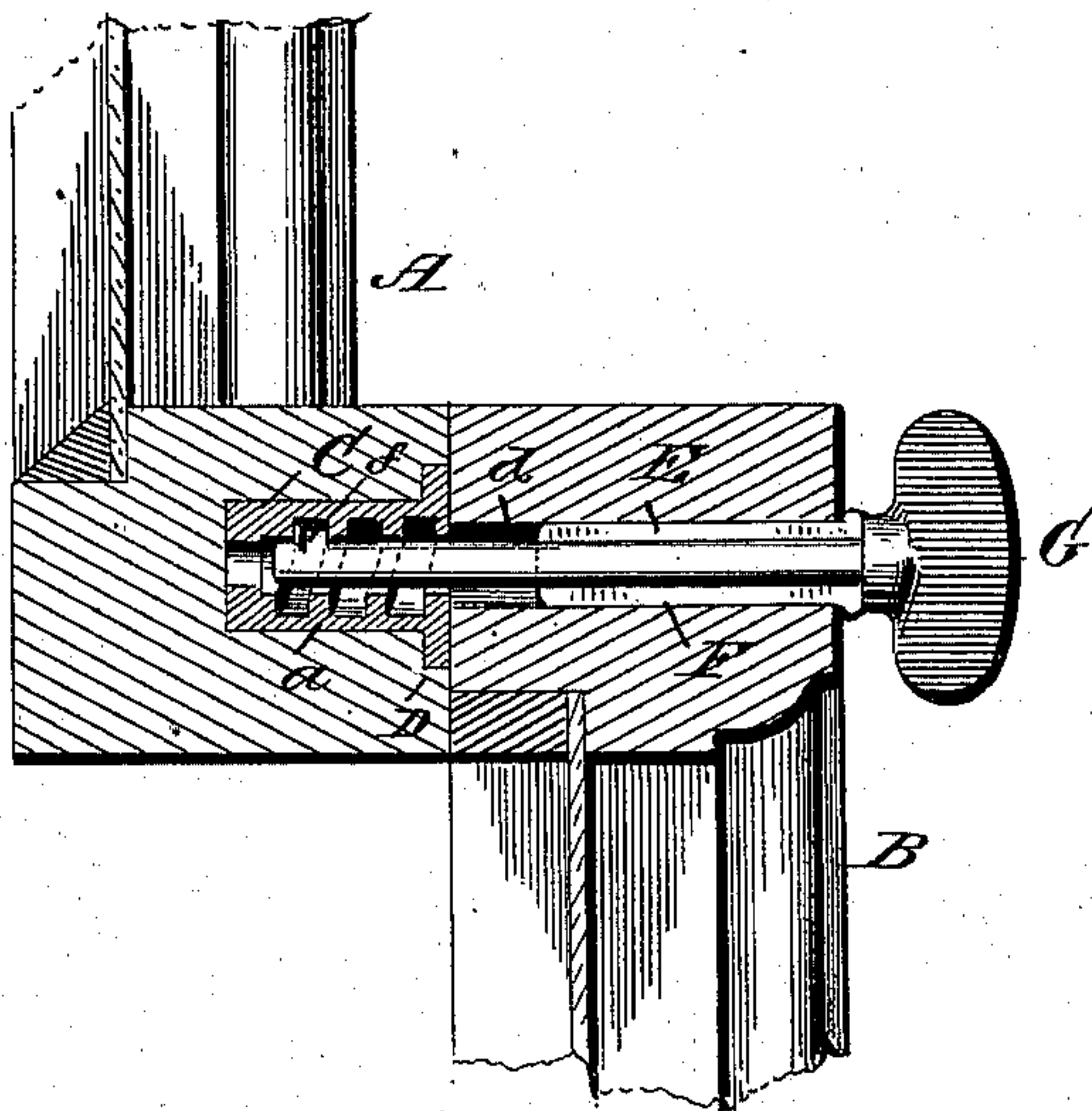


(No Model.)

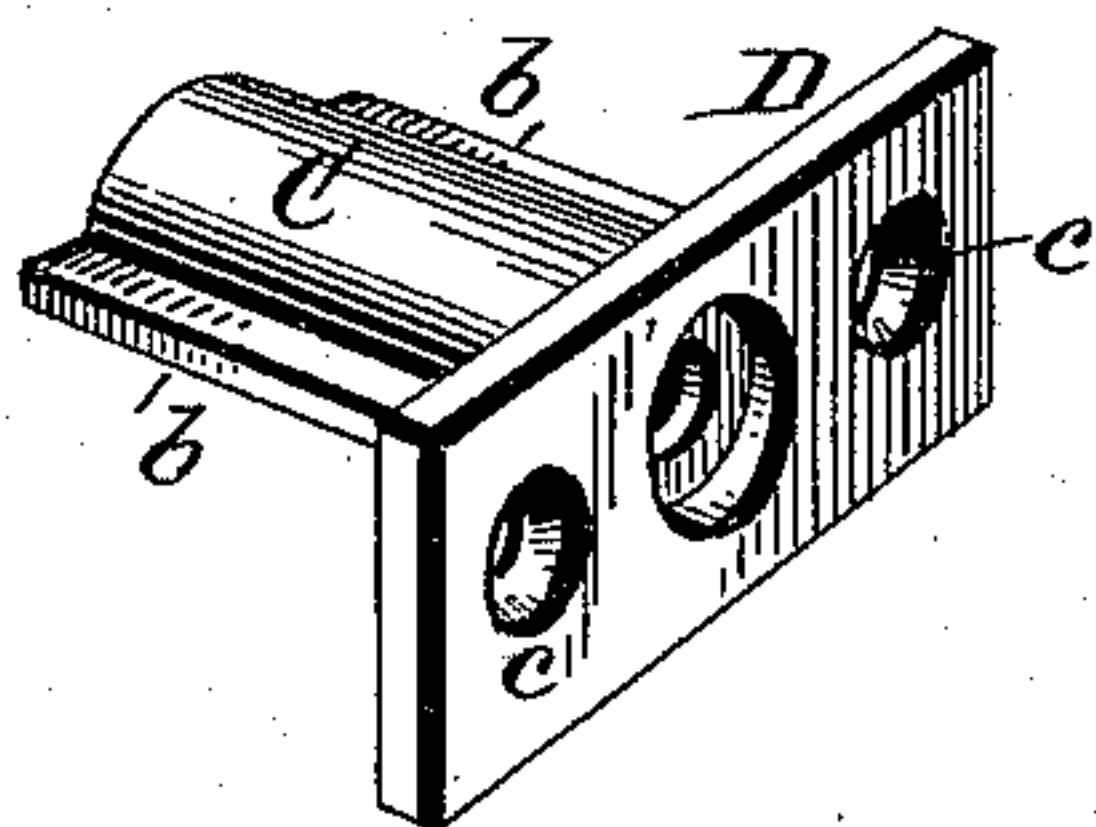
G. L. & C. E. HURD.  
SASH FASTENER.

No. 562,536.

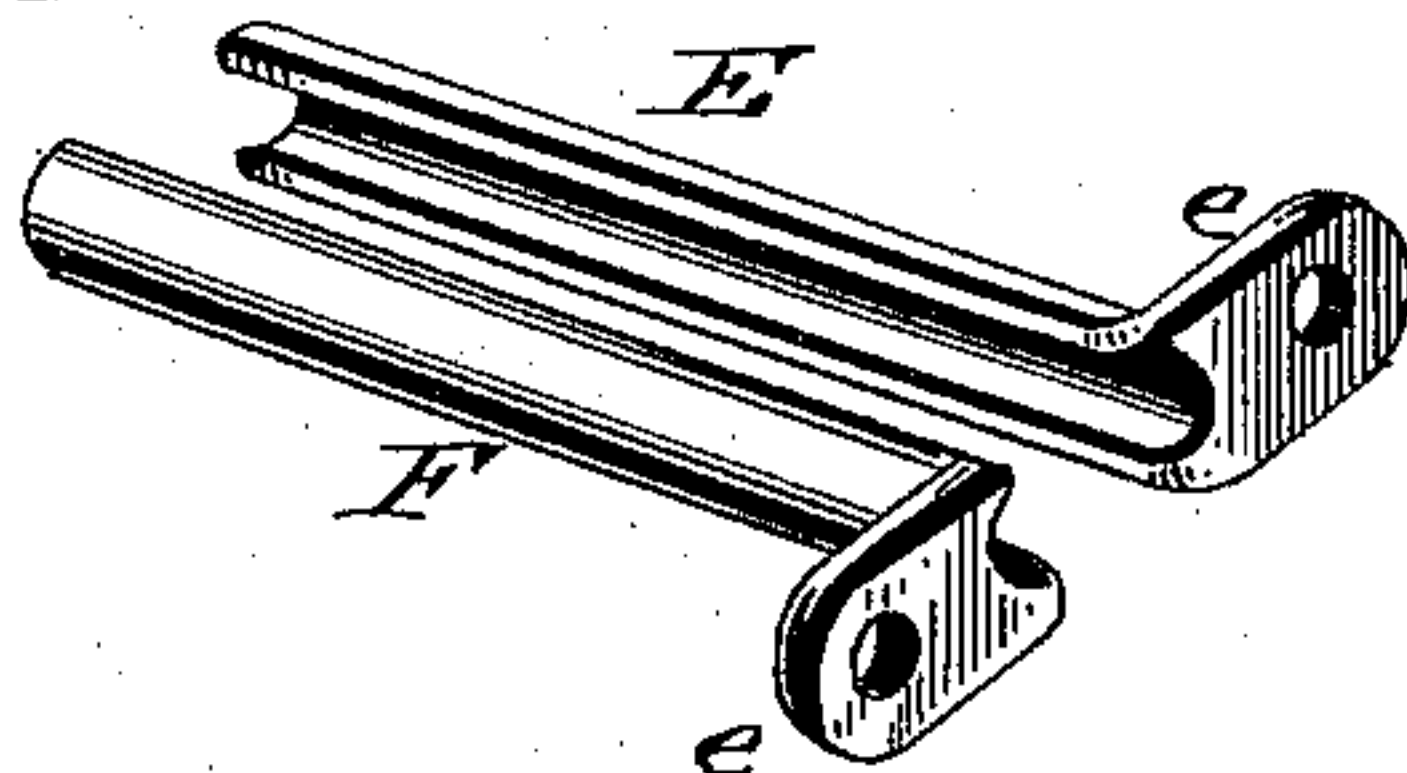
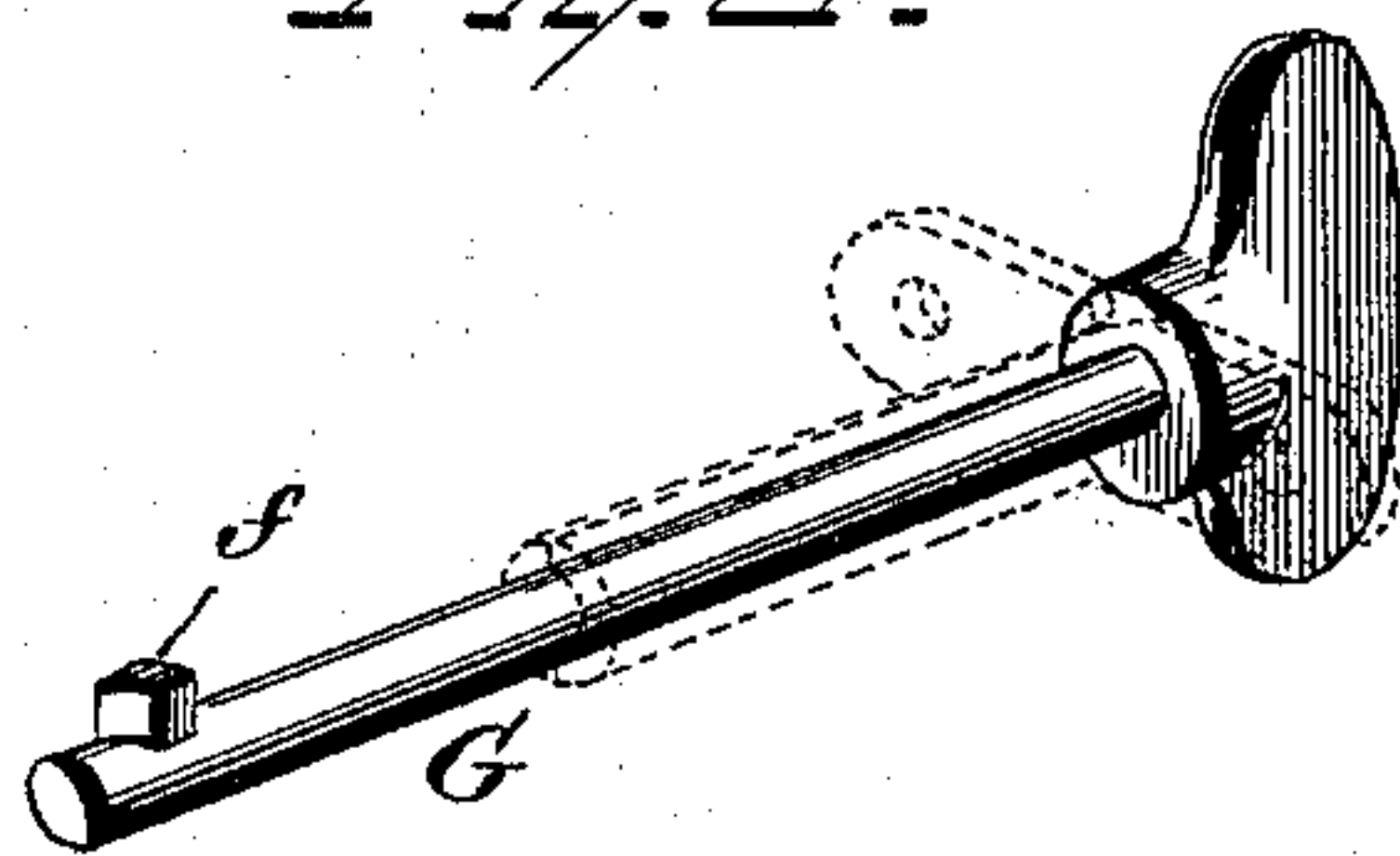
Patented June 23, 1896.



*THE*



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# UNITED STATES PATENT OFFICE.

GEORGE L. HURD AND CHARLES E. HURD, OF NEW YORK, N. Y.

## SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 562,536, dated June 23, 1896.

Application filed April 1, 1896. Serial No. 585,766. (No model.)

*To all whom it may concern:*

Be it known that we, GEORGE L. HURD and CHARLES E. HURD, citizens of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Sash-Fasteners; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The object of the present invention is to provide a simple and effective device or means whereby the two sashes of a window are securely locked together; and it consists in a sash-fastener constructed substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings is a sectional elevation of the two sashes of a window-frame with our improved fastening applied thereto, the two sashes being shown as locked together. Fig. 2 is a detail view in perspective of the interior screw-threaded cylinder; Fig. 3, a similar view of the fastening key or device, the relative position of the sectional sleeve thereto being shown in dotted lines; Fig. 4, a detail perspective view of the sleeve.

In the accompanying drawings, A B represent the upper and lower sashes of a window-frame, respectively, which sashes are of the usual construction.

The upper sash A has a cylinder C, which is formed with interior screw-threads or spiral flanges *a*, and upon the exterior thereof are wings *b*, which are diametrically opposite each other and prevent the cylinder from turning in the mortise in the lower cross-rail of the upper sash when in position therein.

The front of the cylinder C is provided with a fastening-plate D, which has screw-holes *c* to receive screws as a means of fastening the cylinder to the rail of the sash.

A hole *d* extends horizontally through the upper rail of the lower sash, in which is located a sleeve formed of two longitudinal sections E F, the hole in the rail being on line

with the cylinder C when the two sashes A B are closed and in position indicated in Fig. 1 of the drawings.

The outer ends of the sections of the sleeve have outwardly-extending flanges *e* with holes therein to receive screws or other like fastenings whereby the sections are secured in place.

The two longitudinal sections of the sleeve when in position do not meet, but a space is left upon each side for the reception of the shoulder *f* of the key to enable the key to be readily inserted in the sleeve and forced through the same until the shoulder engages the screw-threads on the cylinder C, as shown in Fig. 1 of the drawings.

The key cannot be removed after being disengaged with the sleeve C until the key is turned in either direction, so that the shoulder *f* will be on line with either one of the spaces between the sections of the sleeve. By this means a close bearing is provided for the key which also forms a guide to direct the key when forced forward to engage the shoulder thereon with the interior of the cylinder C.

Having now fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

A sash-fastener, consisting of a cylinder having spiral flanges upon its interior and means for attaching it to the sash, and a guide-sleeve comprising two longitudinal sections having a smooth interior throughout their length, said sections connected to the sash so as to leave spaces diametrically opposite each other for the reception of the shoulder upon the end of the key used to lock the sashes together, substantially as and for the purpose set forth.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

GEORGE L. HURD.  
CHARLES E. HURD.

Witnesses:

JAS. E. CALLAN,  
JNO. P. WYNNE.