

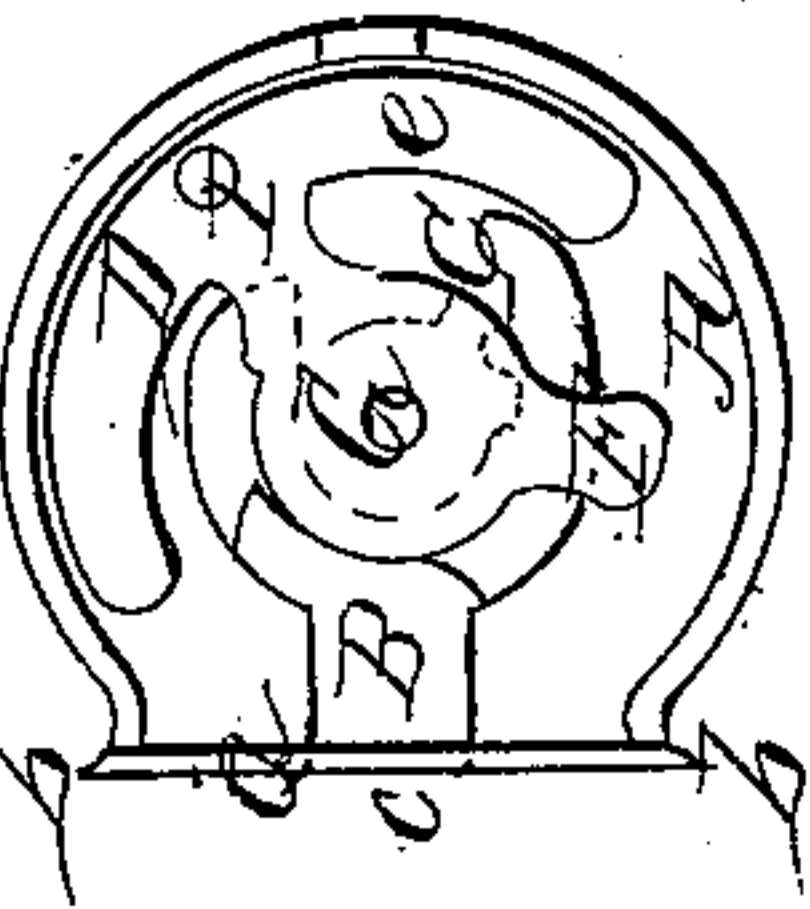
*L. Paige,*

*Sash Fastener.*

*N<sup>o</sup> 15,343.*

*Patented July 15, 1856.*

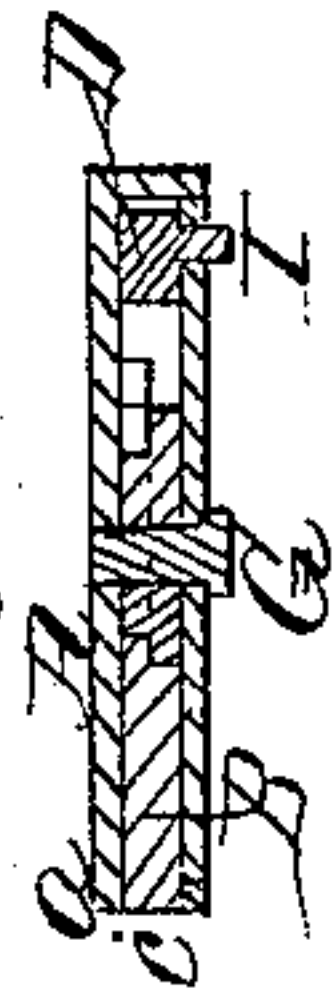
*Fig. 3.*



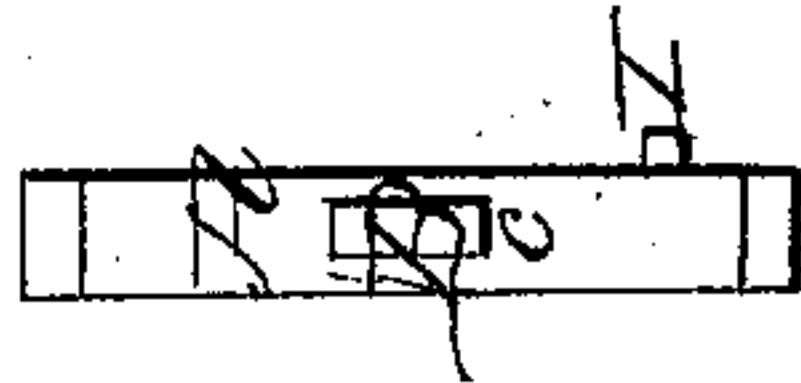
*Fig. 7.*



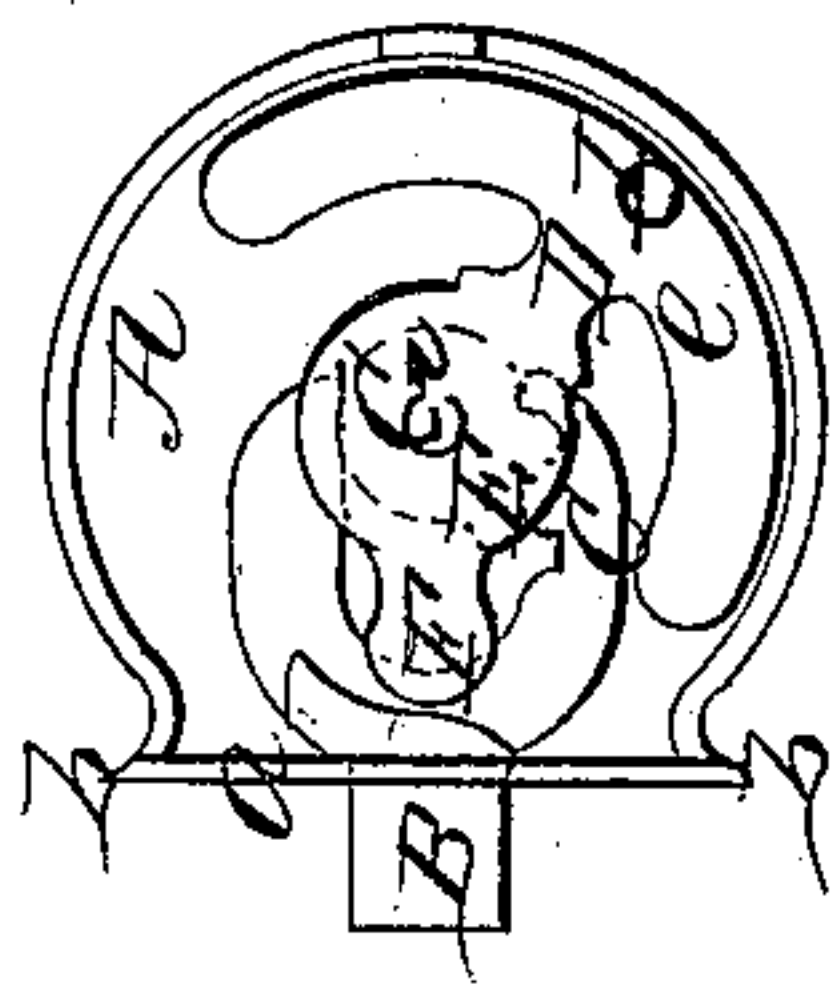
*Fig. 6.*



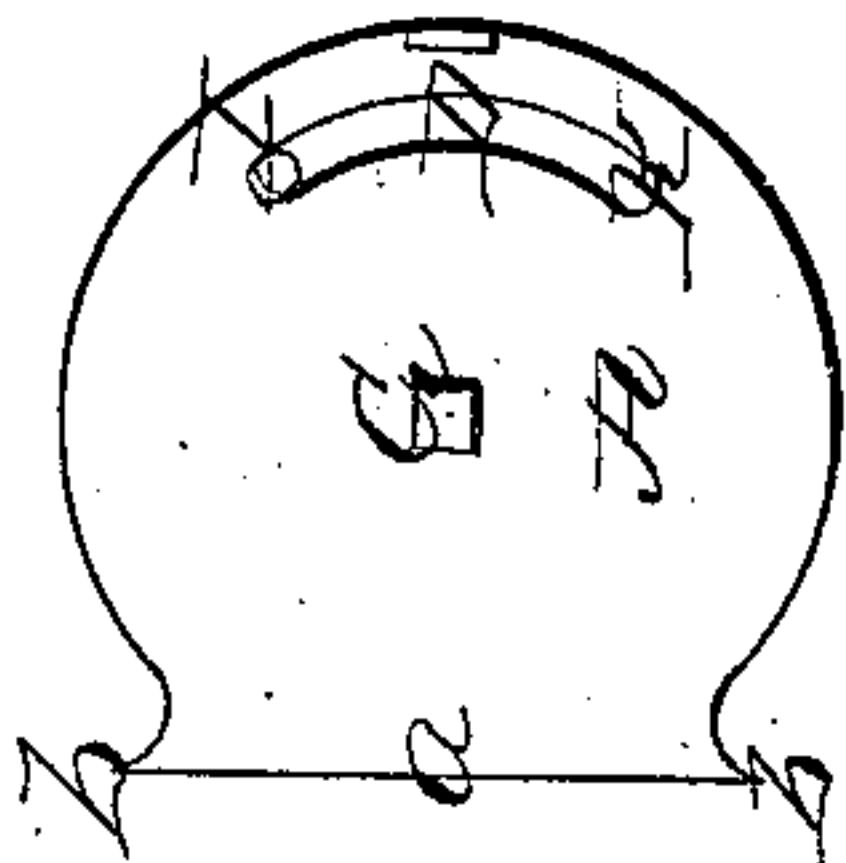
*Fig. 8.*



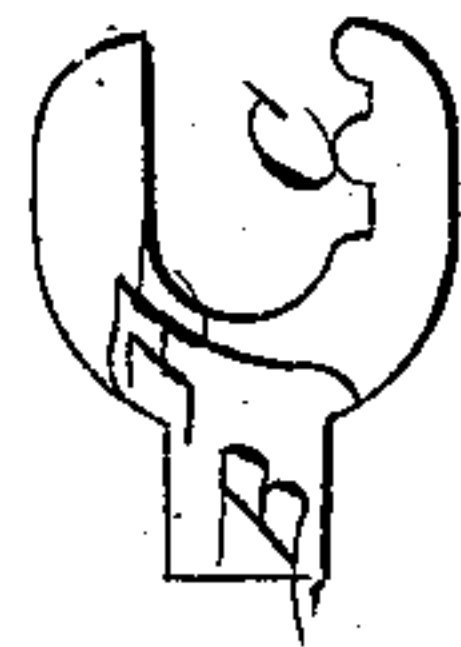
*Fig. 2.*



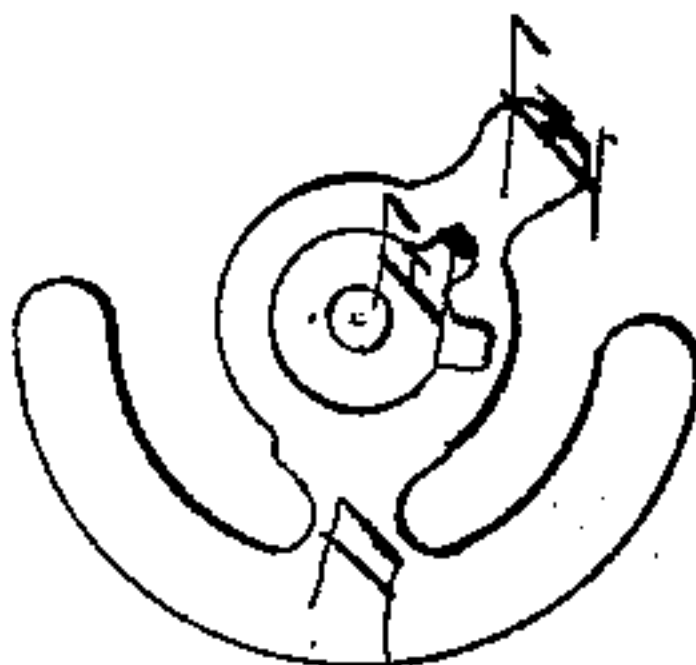
*Fig. 1.*



*Fig. 5.*



*Fig. 4.*



# UNITED STATES PATENT OFFICE.

LUCIUS PAIGE, OF CAVENDISH, VERMONT.

## SASH-LOCK.

Specification of Letters Patent No. 15,343, dated July 15, 1856.

*To all whom it may concern:*

Be it known that I, LUCIUS PAIGE, of Cavendish, in the county of Windsor and State of Vermont, have invented an Improved Sash-Lock; and I do hereby declare that the same is fully described and represented in the following specification and the accompanying drawings, of which—

Figure 1, exhibits an external view of said lock. Fig. 2, a view of it showing its internal parts and in the positions they assume when the bolt is thrown outward. Fig. 3, represents the same in the positions such parts take when the bolt is drawn into the case. Fig. 4, is a view of the rear side of the contrivance by which the bolt is actuated or in other words a view of the weighted arm, its sectoral gear and stop arm. Fig. 5, is a separate view of the bolt, its rack, and stop shoulder. Fig. 6, is a longitudinal section of the lock and its case. Fig. 7, is a top view of the bolt.

In the said drawings, A, represents the case of the lock which is formed nearly circular, and with a straight tangential edge, *a*, and projections, *b*, *b*. It also has a hole or passage, *c*, made in the part, *a*, and for the bolt to pass through, said passage being more completely shown in Fig. 8, which is an edge view of the lock case.

The bolt is represented at B, as made of a bifurcated form and having a toothed rack or series of teeth fixed upon it as shown at C. Within the fork of the bolt and attached to the side of a weighted arm, D, (made in the shape as shown in the drawings) is a pinion or sectoral gear, E, which plays into said rack. The upper part of the circumference serves as a support to the bolt, which rests thereon. There is also attached to said weighted arm a stopping arm F, made to project from it, and with reference to its weight *e*, and the teeth of the gear, E, as shown in the drawings. The said arm, D, and the pinion, E, turn on one common fulcrum or screw, G, which passes through the center of the case, A. There is also applied to the bolt a stop shoulder or cam, H, the same being formed and made to project from

the bolt as seen in the drawings, it being intended to coöperate with the arm, F, so as to prevent the bolt from being pushed backward, when the arm, F, is in a horizontal or in its lowest position or thereabout as shown in Fig. 1. From the weight, *e*, of the arm, D, a small stud, I, extends, passes into, through, and projects from a curved slot, K, made through the cover of the case, as seen in Fig. 1. By taking hold of said stud and raising the weighted arm, the bolt will be drawn backward. By subsequently suffering the arm to fall, the bolt will be impelled forward by the gravitating power of the weight of the arm.

As a sash fastener or bolt, the above little device will be found to be very effective in operation, easily applicable to sashes and not liable to get out of order. The cavity for its reception in the sash frame may be made principally by a common auger, having a diameter corresponding to that of the case. A screw inserted through the center of the case and into the sash frame will not only serve to fasten the case to the sash, but as a fulcrum for the weighted arm.

In applying the case to a sash frame, the outer edge of the straight part, *a*, of the case is to be arranged even with the cage of the sash.

I do not claim either of the parts composing said lock, when they are separately considered, but

What I do claim is—

The combination and arrangement of the weighted arm, D, the rack, C, the sectoral gear or pinion, E, the stopping arm, F, and the stop shoulder, H, as applied to the bolt and within the case thereof and so as to operate together and actuate the bolt substantially in manner as specified.

In testimony whereof I have hereunto set my signature this third day of June, A. D. 1850.

LUCIUS PAIGE.

Witnesses:

R. H. EDDY,  
F. P. HALE, Jr.