(No Model.)

J. CLAYPOOL.

SASH HOLDER.

No. 527,137. Patented Oct. 9, 1894.

Fig. 1.

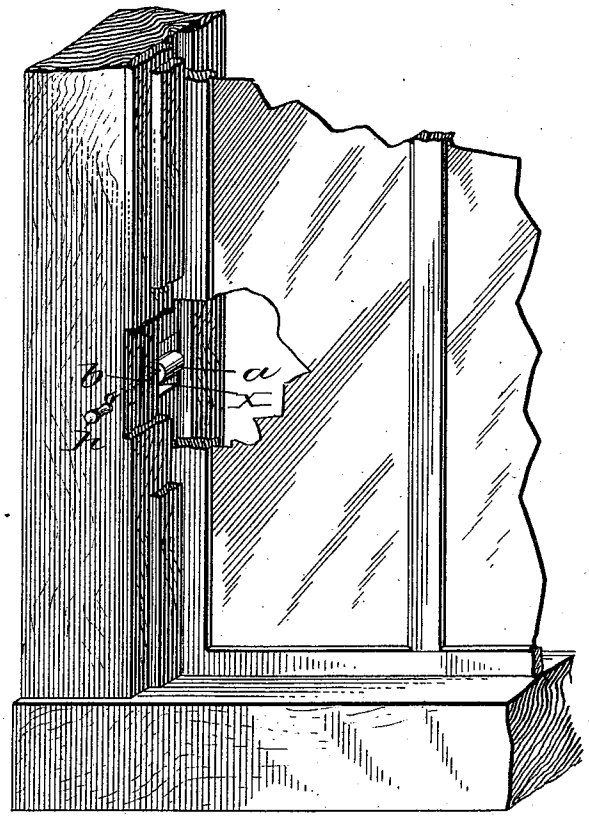
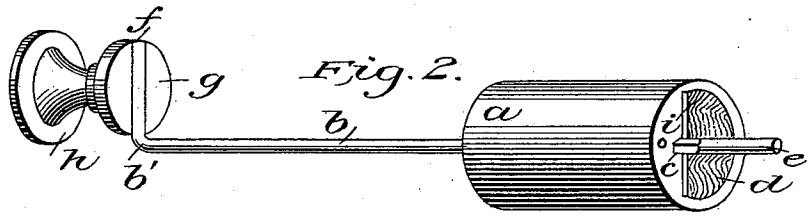


Fig. 2.



Jeremiah Claypool.

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Witnesses.
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per Geo. M. Davis.
Atty. in Fact.

UNITED STATES PATENT OFFICE.

JEREMIAH CLAYPOOL, OF MARSHALL, ILLINOIS.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 527,137, dated October 9, 1894.

Application filed February 8, 1894. Serial No. 499,503. (No model.)

To all whom it may concern:

Be it known that I, JEREMIAH CLAYPOOL, a citizen of the United States, residing at Marshall, in the county of Clark and State of Illinois, have invented certain new and useful Improvements in Window or Sash-Locks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

My invention relates to an improved sash lock, in which an eccentrically suspended cylinder is embedded in the window-frame, immediately behind the edge of the window-sash, and in such position that the cylinder may be thrown against the edge of the window-sash; in which position it will bind, or hold the sash; or away from the sash, thus liberating the sash.

The objects of my invention are, first, to provide a lock which will be strong, durable and cheap; second, to provide a lock which will do away with the necessity of window cords and weights; third, to provide a lock whose efficiency will not be affected by the wearing away of the window-sash, shrinkage, change of temperature, &c., and last to provide a lock which can be easily and conveniently operated by any one, and one which can not get out of order. I attain these objects by means of the mechanism illustrated in the accompanying drawings, in which—

Figure 1, is a perspective view of an upper corner of a window frame and sash, portions of each of which are cut away, for the purpose of showing the lock in position. Fig. 2 is a detailed view in perspective, of the lock itself and of its parts.

Similar letters of reference refer to similar parts throughout both views.

Fig. 2 of the drawings, represents a lock which consists of a cylinder *a*, of brass, iron or any other suitable material, a strong metal shaft *b* and a handle, or knob *h*. About two thirds of the longitudinal section of the cylinder *a*, is hollow, and the remaining third section is solid, as shown in Fig. 2.

The letter *c* indicates a square groove which is cut into the face of the inner wall of the solid section of the cylinder, parallel with the axis of the cylinder and for the purpose of receiving the squared end *e* of the shaft *b*, which is made to fit tightly.

The hollow portion of the cylinder is filled up with wood, or any other suitable light material, which I indicate by the letter *d*. Between the filling *d* and the inner face of the solid portion of the cylinder, indicated by *o*, I place a steel plate *i*, which clamps the shaft *b*, tightly within the groove *c*, and prevents the wood or other filling *d* from wearing away and becoming loosened. Thus the cylinder *a* is mounted upon its shaft eccentrically and acts as an eccentric. The end *e* of the shaft *b*, which passes through the cylinder *a*, protrudes from and beyond the end of the same, and said protruding end is rounded and rests in a bearing within the window-frame. A short section of the other end of the shaft *b*, is bent at a point indicated by the letter *b'*, at a right angle to the shaft proper, in order that it may inserted within a slot, or groove *f* which is cut into the face *g* of the base of the knob, or handle *h*.

To further secure the handle, or knob *h*, to the shaft *b* I solder the same into the groove *f*.

The handle, or knob *h*, which may be of any convenient material and form, serves as a balance to the eccentric cylinder, as well as a means of operating the invention, as hereinafter fully described and explained.

To attach my invention to a window, I simply cut a recess *x*, in the window-frame, large enough to receive the cylinder *a*, and to give the same, room to revolve in. Said recess being immediately behind the edge of the window sash, and in such close proximity that when the larger side of the eccentric cylinder *a*, is turned toward the sash, it will bind against the same. I then drill a straight passage, through the window-frame to and beyond the recess *x*, in order that the shaft *b* may be passed through said passage, and find a bearing for its protruding end *e*, in the inner part of the window-frame.

Having thus prepared the window-frame, I place the eccentric cylinder *a*, within the recess *x*; in such position, that the groove *c*, which passes through the cylinder *a*, will form, with the passage drilled through the window-

frame, a continuous passaage, through which I pass the shaft *b*. Thus the cylinder is suspended within the recess *x*, and is easily revolved to any required position by means of the handle *h*, which is placed upon the outer end of the shaft *b*.

I find it most convenient, in attaching my lock to a window, to so hang the eccentric cylinder, that the larger side of the same, will naturally hang upon the side of the recess *x*, opposite from the edge of the window-sash; and to so adjust the shaft *b*, that when it is driven firmly into and through the cylinder, the bent end of the same will naturally stand perpendicularly upward from the shaft proper, thus holding the handle, or knob *h* above centers. When the lock is mounted in this manner, the window may be locked and supported at any desired position by simply turning the knob *h*, toward the window, thereby throwing the large side of the eccentric cylinder against the edge of the sash and above the center of the shaft, so that, as is plainly obvious, any effort to lower the window-sash, will bind, or lock the same more securely, by revolving the larger side of the cylinder toward the sash, by means of friction with the same.

To lower the sash it is only necessary to turn the knob *h* away from the window, thereby relieving the pressure from the edge of the sash.

When the sash is down, or closed, I turn the knob *h* away from the window, thus throwing the larger side of the eccentric cylinder below centers, and against the edge of the sash, in which position any effort to raise the sash, will by friction, tend to turn the cylinder upward and toward the sash, thus locking the sash more firmly.

Having described my invention and its use, what I claim, and desire to secure by Letters Patent, is—

The combination, in a window-sash and window-frame, with a cylinder *a*, suspended eccentrically within a recess *x*, said cylinder being provided with a wood, or other suitable filling *d*, the metallic plate *i*, and the groove *c*, a shaft *b* and a handle, or knob *h*; all substantially as and for the purposes set forth and described.

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

JEREMIAH CLAYPOOL.

Witnesses:

NEWTON TIBBS,

J. W. GRAHAM.