E. HOMRIGHOUS.
Sash-Holder and Lock.

No. 213,331 **Patented Mar. 18, 1879.**

Fig. 3.

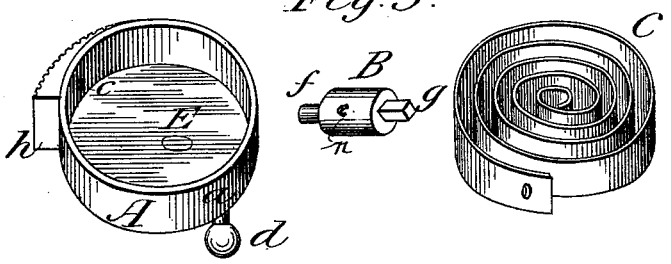


Fig. 4.

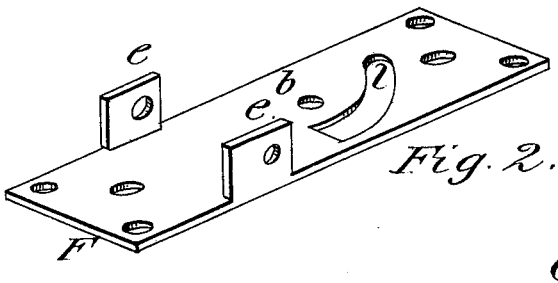
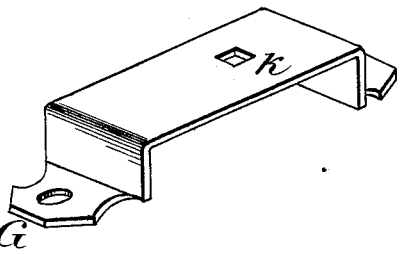


Fig. 2.



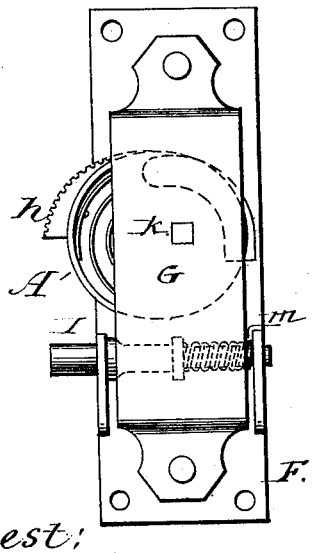
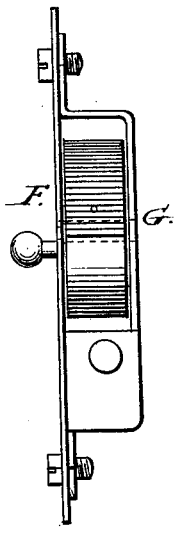


Fig. 1



Attest:

Hiram Sears
Milo Hommghous.

Inventor:

Erwin, Homrighous

UNITED STATES PATENT OFFICE.

ERVIN HOMRIGHOUS, OF SHELBYVILLE, ILLINOIS.

IMPROVEMENT IN SASH HOLDER AND LOCK.

Specification forming part of Letters Patent No. **213,331**, dated March 18, 1879; application filed September 2, 1878.

To all whom it may concern:

Be it known that I, ERVIN HOMRIGHOUS, of Shelbyville, in the county of Shelby and State of Illinois, have invented certain Improvements in Sash Lock and Holder, of which the following is a specification:

The object of my invention is to furnish a sash lock and holder combined, that dispenses with cords and pulleys, and fastens the window when closed, requiring no further action to lock the sash than the closing of the window.

My invention consists of a front and back plate of metal, about one-half inch apart, and so formed as to be connected at the ends, between which I place an elliptical wheel, having a spring on the inside and a button attached to it, operating in a semicircular slot in the outer plate, and a bolt serving as a lock, and operated upon by the elliptical wheel.

Figure 1 is a drawing of my sash lock and holder.

Fig. 2 shows the front plate, F, with the semicircular slot *l*, a hole, *b*, where the elliptical wheel is attached, and the uprights *e e*, with holes therein, in which the lock moves back and forth; also, the back plate, G, with a square hole, *k*, where the arbor of the elliptical wheel is attached.

Fig. 3 shows the hollow elliptical wheel A, with a rim, *a*, about one-half inch wide, with a ribbed surface, having a shoulder, *h*, on one side, the object of which is, when the wheel is turned, to strike against a collar on the bolt or lock, as subsequently described, thereby unlocking the window, a hook, *c*, on the inside of the rim, and a button, *d*, projecting through the slot *l*, Fig. 2, of the outer plate, used to operate the elliptical wheel and lock-bolt.

B is an arbor, with a round end at *f*, which passes through the elliptical wheel at E, and the outer plate at *b*, Fig. 2, a square end, *g*, fitted to the square hole in the back plate, G, at *k*, Fig. 2, to prevent the arbor from turning, and a hook, *n*, the use of which is subsequently described. C is a spring, of sufficient length, and is placed on the inside of the elliptical wheel A, having a hole or attachment at each end, the one end to be fastened to the hook *c* in the elliptical wheel, and the other on the hook *n* on the arbor. The object of the spring is to hold the elliptical wheel firmly against the jamb of the window and in combination with the wheel, to prevent the sash from falling.

When the spring is relaxed by means of the button on the outside, as described, Figs. 2 and 3, the sash can be lowered.

The elliptical shape of the wheel admits of the raising of the sash to any desired height without touching the holder after the lock is disengaged.

Fig. 4 shows the bolt I, used for locking the window when closed, which is provided with a collar, *i*, against which the shoulder on the elliptical wheel strikes when unlocking, as previously described, and the spiral spring *m*, to throw the bolt forward.

I am aware that in sash-supports drums have been used, incasing spiral springs, to support superincumbent weights, and to such, broadly, I make no claim.

I am also aware that eccentric disks have been used, with pins to engage offsets on bolts, to release the same simultaneously with the releasing of the sash, and to such, broadly, I make no claim.

What I claim as my invention is—

The drum A, incasing spiral spring C, and provided with a serrated offset, forming a shoulder, *h*, in combination with bolt I, having an annular shoulder, *i*, and spring *m*, all arranged as described, for the purpose set forth.

ERVIN HOMRIGHOUS.

Witnesses:

HIRAM SEARS,

MILO HOMRIGHOUS.