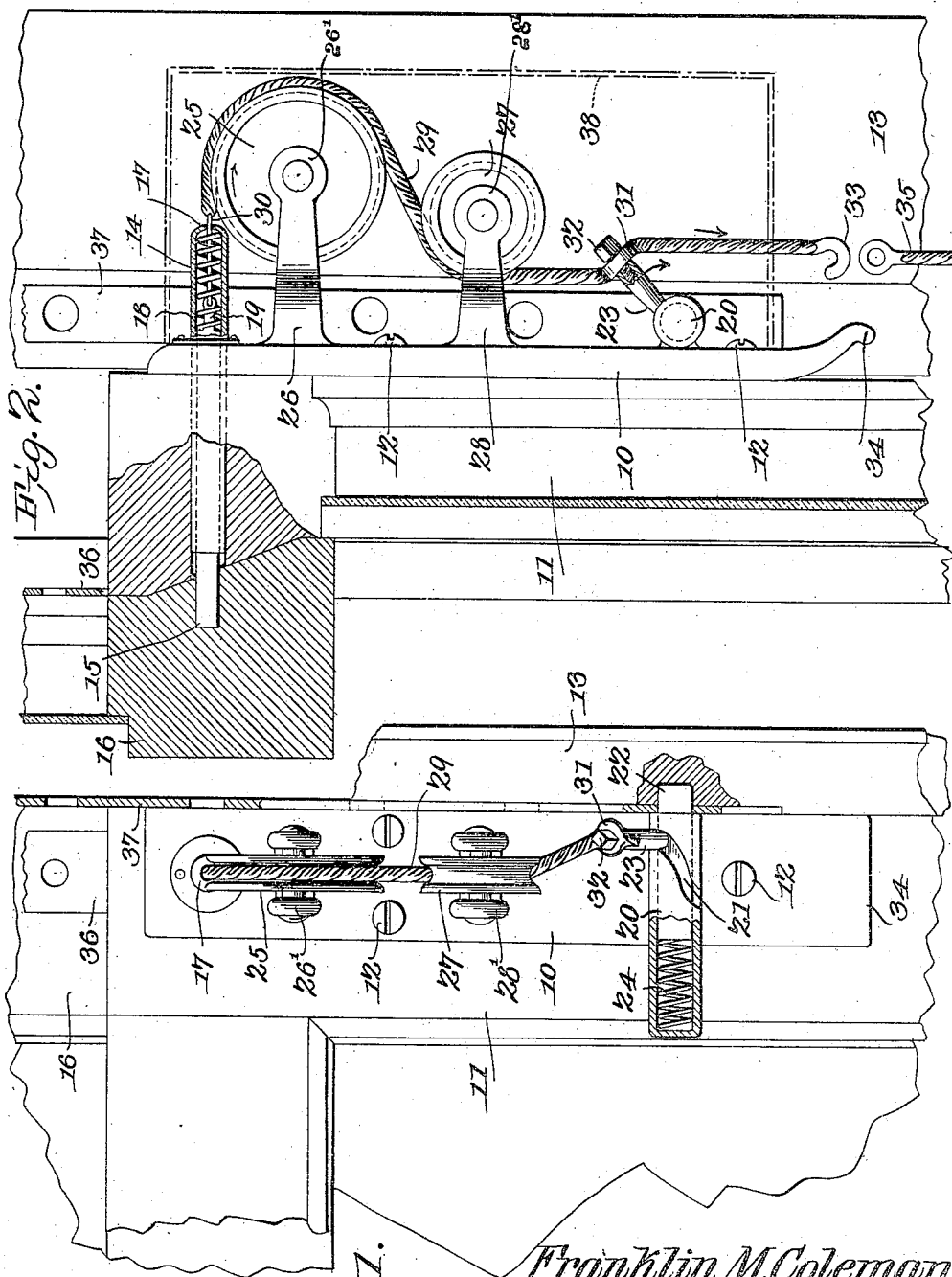


No. 816,780.

PATENTED APR. 3, 1906.

F. M. COLEMAN.
SASH LOCK.

APPLICATION FILED SEPT. 7, 1905.



Witnesses
E. J. Stewart
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Fig. 1.

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UNITED STATES PATENT OFFICE.

FRANKLIN M. COLEMAN, OF MOULTRIE, GEORGIA.

SASH-LOCK.

No. 816,780.

Specification of Letters Patent.

Patented April 3, 1906.

Application filed September 7, 1905. Serial No. 277,341.

To all whom it may concern:

Be it known that I, FRANKLIN M. COLEMAN, a citizen of the United States, residing at Moultrie, in the county of Colquitt and State of Georgia, have invented a new and useful Sash-Lock, of which the following is a specification.

This invention relates to sash-locks, and has for an object to provide a device of the class embodying new and improved features of convenience, durability, utility, and efficiency.

A further object of the invention is to provide a sash-lock embodying improved means whereby both sashes may be rigidly locked relative to each other and to the window-frame and whereby both may be simultaneously released.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made without departing from the spirit or sacrificing any of the advantages of this invention.

In the drawings, Figure 1 is a view of the improved lock in front elevation, partly broken away to better show the disposition of the parts. Fig. 2 is a view in side elevation of the lock with certain parts broken away.

Like characters of reference indicate corresponding parts in both figures of the drawings.

In its preferred embodiment the improved sash-lock forming the subject-matter of this application comprises a plate 10, secured to the face of the side rail 11 of the lower sash adjacent the top in any approved manner, as by screws 12, the sash being of the ordinary construction and retained in position by the usual frame-piece or stop 13. A sleeve 14 is secured to the plate 10, near the upper end of the latter, and slidably mounted in said sleeve is a longitudinally-movable bolt 15, which extends through the lower sash and engages the lower rail of the upper sash 16. The outer or free end of the sleeve 14 is closed at 17, and disposed within the sleeve and surrounding the neck 19 of the bolt is a coiled spring 18. Secured to the lower end of the plate 10 and disposed at right angles to the sleeve 14 is a second sleeve 20, the walls of

which are provided with a cam-slot 21. Arranged within the sleeve 20 and mounted for longitudinal and rotary movement is a bolt 22, provided with a pin 23, the free end of which passes through the cam-slot 21, there being a spring 24 interposed between the closed end of the sleeve and the adjacent end of the bolt 22 for forcing the latter into engagement with the stop 13. Arranged below the sleeve 14 and journaled in the bifurcated arms 26' of a supporting-bracket 26 is a pulley 25, and disposed below the pulley 25 and arranged in vertical alinement therewith is a smaller pulley 27, also journaled in the bifurcated arms 28' of a bracket 28.

About the pulleys 25 and 27 is passed the cord 29, connected at its upper end by an interwoven wire 30 to the neck 19 of the bolt 15. The cord 29 is also provided with a ring 31, which is secured to the pin 23 in any approved manner, as by the screw 32, and at its lower end the cord has a hook 33, proportioned to hook beneath the laterally-disposed lower end or lip 34 of the plate 10 or to engage the extension-cord 35.

The face of the upper sash may be provided, if desired, with a perforate strip 36 and the stop with a similar strip 37, and the whole device may be covered, if desired, by a housing, (indicated in outline at 38.)

In operation a pull upon the cord in the direction indicated by the arrow will move the pin 23, as indicated, which bearing against the cam-faces of the slot 21 will move the bolt 22 out of engagement with the stop 13 and the strip 37. The movement of the cord will rotate the pulley 25, as indicated, to draw the bolt 15 out of engagement with the upper sash, when both sashes may be moved at will. If it is desired to lock the bolts in inoperative positions, the hook 33 is engaged under the part 34, thereby holding the bolts against the tension of the springs 18 and 24, which will obviously return the bolts to engagement when the cord is released. The cord 29 will be made in such manner as not to stretch, as by forming it about a wire, the end of which is shown, as 30.

Having thus described the invention, what is claimed is—

1. A sash-lock comprising a plate, a plurality of bolts mounted on the plate and arranged at an angle to each other for engagement with the window-frame and one of the window-sashes respectively, a flexible connection between said bolts for simultane-

ously moving the bolts to inoperative position, and means carried by the flexible connection and engaging the plate for locking said bolts in inoperative position.

5 2. A sash-lock comprising a bolt mounted upon and extending through one sash for engagement with the opposite sash, a second bolt mounted upon the same sash and adapted to engage the window-frame, and a flexible
10 connection between the bolts for simultaneously moving said bolts to inoperative position.

3. A sash-lock comprising a plate provided with a lateral lip, a plurality of bolts mounted on the plate and arranged at an angle to
15 each other for engagement with the adjacent sash and window-frame respectively, a flexible connection between the bolts for moving the same to inoperative position, and a hook
20 carried by the flexible connection and adapted to engage the lip for locking said bolts in inoperative position.

4. A sash-lock comprising, a bolt mounted upon and extending through one sash and engaging the other sash, a bolt mounted upon
25 the same sash at right angles to the first bolt and engaging the window-frame, means whereby a rotary movement of the frame-

engaging bolt moves said bolt to inoperative position and means, connecting the two bolts
30 for disengaging both bolts, simultaneously.

5. A sash-lock comprising a spring-actuated bolt mounted upon and extending through one sash and engaging the other
35 sash, a second bolt mounted at right angles to the first bolt and adapted to engage the window-frame, a member provided with a cam-slot for engagement with the second bolt and so arranged that a rotary movement
40 moves the bolt longitudinally out of engagement, pulleys mounted between the bolts, a cord passing over the pulleys and connecting the bolts whereby a rotary movement of the frame-engaging bolt moves the other bolt
45 longitudinally to inoperative position, means carried by the cord for maintaining the bolts in inoperative position and means for manipulating the cord.

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

FRANKLIN M. COLEMAN.

Witnesses:

J. D. MCKENZIE,
W. J. PERRY.