

No. 766,436.

PATENTED AUG. 2, 1904.

W. C. FOLEY.  
DRAWER LOCK FOR SEWING MACHINE STANDS.  
APPLICATION FILED APR. 16, 1904.

NO MODEL.

Fig. 1.

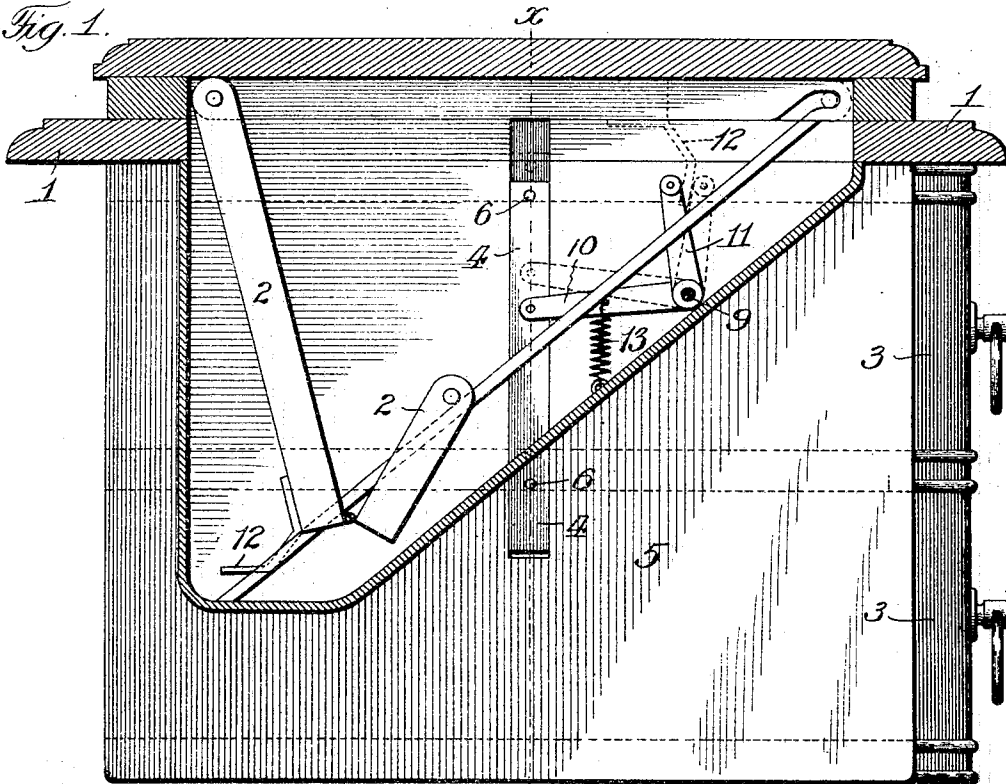


Fig. 2.

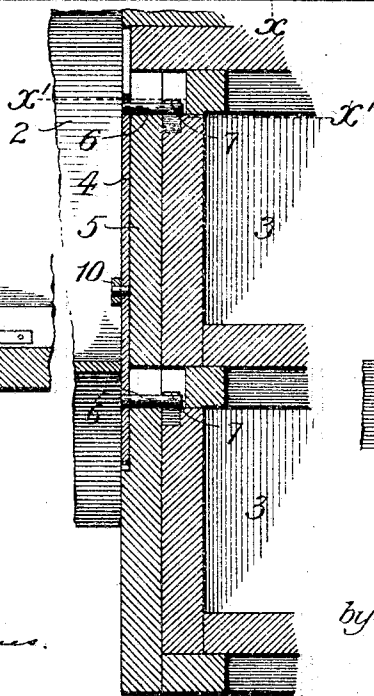


Fig. 3.

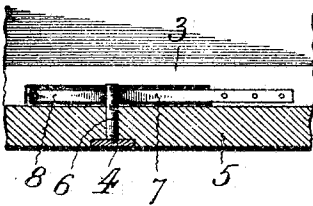
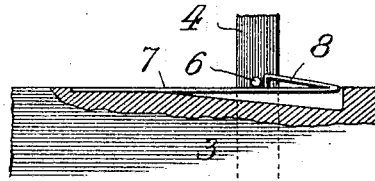


Fig. 4.



Attest:

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# UNITED STATES PATENT OFFICE.

WILLIAM C. FOLEY, OF CHICAGO, ILLINOIS:

## DRAWER-LOCK FOR SEWING-MACHINE STANDS.

SPECIFICATION forming part of Letters Patent No. 766,436, dated August 2, 1904.

Application filed April 16, 1904. Serial No. 203,400. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM C. FOLEY, a citizen of the United States of America, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Drawer-Locks for Sewing-Machine Stands, of which the following is a specification.

The present invention relates to an automatic locking mechanism for the drawers of sewing-machine stands of the drop-platform type, and has for its object to provide a simple and efficient mechanism for automatically unlocking the series of drawers as the drop-platform of the sewing-machine stand is elevated and to automatically lock the drawers in the drop movement of said platform, all as will hereinafter more fully appear, and be more particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a transverse sectional elevation of a sewing-machine stand illustrative of the present invention. Fig. 2 is a detail longitudinal section at line *x x*, Fig. 1. Fig. 3 is a detail horizontal section at line *x' x'*, Fig. 2. Fig. 4 is a detail sectional elevation illustrating the spring-catch and drawer.

Similar numerals of reference indicate like parts in the several views.

Referring to the drawings, 1 represents the table-top of a sewing-machine stand, provided with the usual drop center or platform 2, upon which the sewing-machine head is carried and having the usual end tier of drawers 3.

4 is a vertical locking-bar moving in suitable guides on the inner wall of the drawer-casing 5 and provided with a series of horizontal pins or studs 6 individual to the series of drawers 3 and projecting into the path of the same.

7 represents individual catches carried by the series of drawers 3 and each consisting of an elongated horizontal member attached at one end to the top surface of a drawer 3 and provided at its free end with a triangular head or enlargement 8, adapted to engage back of a stud or pin 6 aforesaid to lock such drawer in place. In order that the series of drawers may be pushed in individually to the described locking engagement, the top surface of each

drawer is cut away beneath the free end of the catch 7 to permit of the descent of such free end as the triangular head 8 rides under a locking-pin 6 as the drawer is pushed into its closed condition within the stand.

9 is a rock-shaft journaled in the stand and having a pair of rock-arms 10 and 11, one of which has operative engagement with the locking-bar 4, above described, while the other projects into the path of an operating-tappet 12, secured on the under side of the drop-platform 2 of the stand.

13 is a spring tending to move the locking-bar 4 and its operative connections into a drawer-locking position.

With the above-described arrangement of parts as the drop-platform 2 is brought into its raised position the tappet 12 engages the rock-arm 11 to rock the shaft 9 and by means of the arm 10 lifts the locking-bar 4, and with it the locking-pins 6, out of engagement with the drawer-catches 7, so as to leave the drawers unlocked and free for access of the operator. As the drop-platform is lowered after a use of the sewing-machine a reverse movement to that above described takes place, and the locking-bar 4 and its locking-pins 6 descend into the path of the drawer-catches 7 to lock the drawers in a closed condition and through the instrumentality of the spring 13.

Having thus fully described my said invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a drawer-lock for sewing-machine stands, the combination with the drop-platform and a series of drawers, of a locking means adapted to engage the series of drawers, a rock-arm adapted to be operated by the movement of the drop-platform, and operative connections between said rock-arm and the locking means aforesaid, substantially as set forth.

2. In a drawer-lock for sewing-machine stands, the combination with the drop-platform and a series of drawers, of a movable bar provided with a series of locking-pins adapted for locking engagement with the series of drawers, a rock-shaft, and rock-arms on said shaft, one of the rock-arms having operative engagement with the movable bar

aforesaid, and the other arranged in the path of the drop-platform and adapted to be operated thereby, substantially as set forth.

3. In a drawer-lock for sewing-machine  
5 stands, the combination with the drop-platform and a series of drawers provided with spring-catches, of a movable bar provided with a series of locking-pins adapted for engagement with said spring-catches, a rock-  
10 shaft, and rock-arms on said shaft, one of the rock-arms having operative engagement with

the movable bar aforesaid, and the other arranged in the path of the drop-platform and adapted to be operated thereby, substantially as set forth.

Signed at Chicago, Illinois, this 12th day of April, 1904.

WILLIAM C. FOLEY.

Witnesses:

ROBERT BURNS,  
M. H. HOLMES.