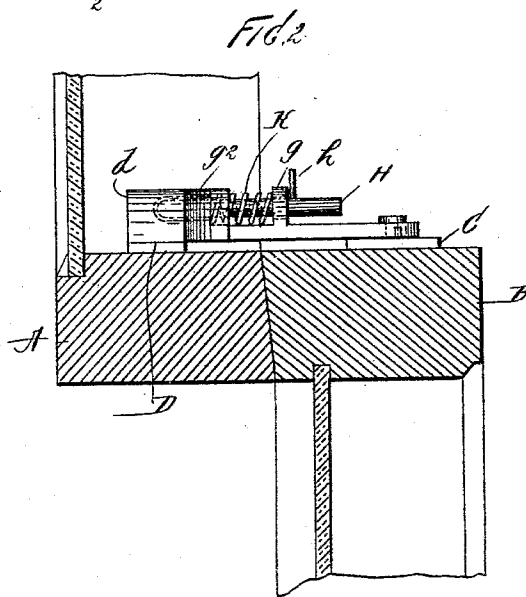
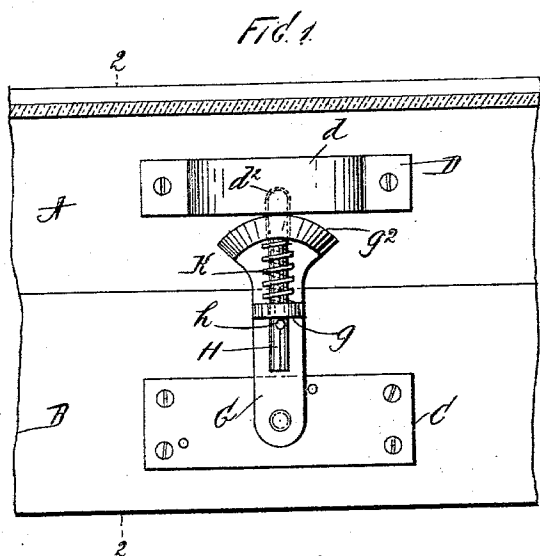


(No Model.)

T. F. MURPHY.
WINDOW FASTENER.

No. 559,808.

Patented May 12, 1896.



WITNESSES:

John Buckler,
C. Gerst.

INVENTOR

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BY
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ATTORNEYS,

UNITED STATES PATENT OFFICE.

THOMAS FRANCIS MURPHY, OF NEW YORK, N. Y.

WINDOW-FASTENER.

SPECIFICATION forming part of Letters Patent No. 559,808, dated May 12, 1896.

Application filed January 14, 1896. Serial No. 575,425. (No model.)

To all whom it may concern:

Be it known that I, THOMAS FRANCIS MURPHY, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Window-Fasteners, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to locks for window-sashes, and the object thereof is to provide an improved device of this class which consists of two parts, one of which is adapted to be connected with the upper part of the frame of the lower sash and the other to the lower part of the frame of the upper sash, and that part which is connected with the lower sash being provided with a spring-operated bolt which operates in connection with the part which is connected with the upper sash, so as to securely lock said sashes together; and with this and other objects in view the invention consists in the construction, combination, and arrangement of parts hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a plan view of my improved sash-lock, showing the same connected with the upper and lower sashes and in operative position; and Fig. 2, a section on the line 2 2. In the drawings forming part of this application, A represents the bottom portion of the frame of the upper sash, and B the upper part of the frame of the lower sash, and in the practice of my invention I provide a sash-lock comprising a plate C, which is adapted to be secured to the frame of the lower sash, and a plate D, which is adapted to be secured to the frame of the upper sash.

The plate D has a vertical curved or segmental shoulder or projection d formed thereon, in the outer side of which is formed a hole or opening d^2 , (shown in dotted lines in Figs. 1 and 2,) and pivotally connected with the plate C is a swinging arm G, which is provided near its central portion with an upwardly-directed shoulder g , and the free end of which is provided with a curved or segmental head

g^2 , and passing through the shoulder G and the curved or segmental head g^2 is a sliding spring-operating bolt H, which is provided inside of the shoulder g with a pin h , and mounted on said sliding bolt, between the shoulder g and the segmental head g^2 , is a spiral spring K, one end of which bears upon the shoulder g and the other or outer end of which is secured to the sliding bolt.

The operation will be readily understood from the foregoing description, when taken in connection with the accompanying drawings. When it is desired to lock the upper and the lower sashes together, it is only necessary to take hold of the pivoted arm H and to swing it into the position shown in Fig. 1. In this operation the sliding bolt H is driven backward when it strikes the shoulder d on the plate D, against the operation of the spring K, until the end thereof reaches the hole or opening d^2 , when it is projected into said hole or opening by said spring. In this position of the parts it will be apparent that the upper and lower sashes will be securely locked together, and they will be held in this position until the sliding bolt H is withdrawn from its connection with the plate D or the shoulder d , formed thereon, which may be done by pulling outwardly on the bolt H or the pin h , when the arm G may be again turned to one side, after which the sashes may be raised and lowered as desired.

My improved sash-lock also prevents the sashes from rattling, the form of the segmental head g^2 acting as a cam in connection with the shoulder d of the plate D to produce this result, and in this operation it is also aided by the spring K, which may be so arranged as to force the bolt into the shoulder or projection d on the plate D with such force as to prevent the rattling of the sashes, but it will be apparent that the sliding bolt and the spring mounted thereon may be so arranged as to produce this result alone.

My invention is not limited to the exact form, construction, and arrangement of parts hereinbefore described, and it is evident that changes therein and modifications thereof may be made without departing from the spirit of my invention or sacrificing its advantages.

Having fully described my invention, I

claim as new and desire to secure by Letters Patent—

5 A sash-lock for windows comprising a plate which is adapted to be secured to the lower sash, an arm pivotally connected therewith, a sliding spring-operated bolt connected with said arm and a plate adapted to be secured to the upper sash, and provided with a hole or opening into which said bolt is adapted to be projected, said arm being provided at its outer end with a curved or segmental head and with an upwardly-directed shoulder through which the bolt passes, and said bolt being

also provided with a spiral spring which is mounted thereon between said shoulder and said head, substantially as shown and described. 15

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 13th day of January, 1896. 20

THOMAS FRANCIS MURPHY.

Witnesses:

C. GERST,

A. VAN BLARCOM.