

No. 775,524.

PATENTED NOV. 22, 1904.

J. C. DEGGIM.  
WINDOW SASH LOCK.  
APPLICATION FILED MAY 31, 1904.

NO MODEL.

FIG. 1

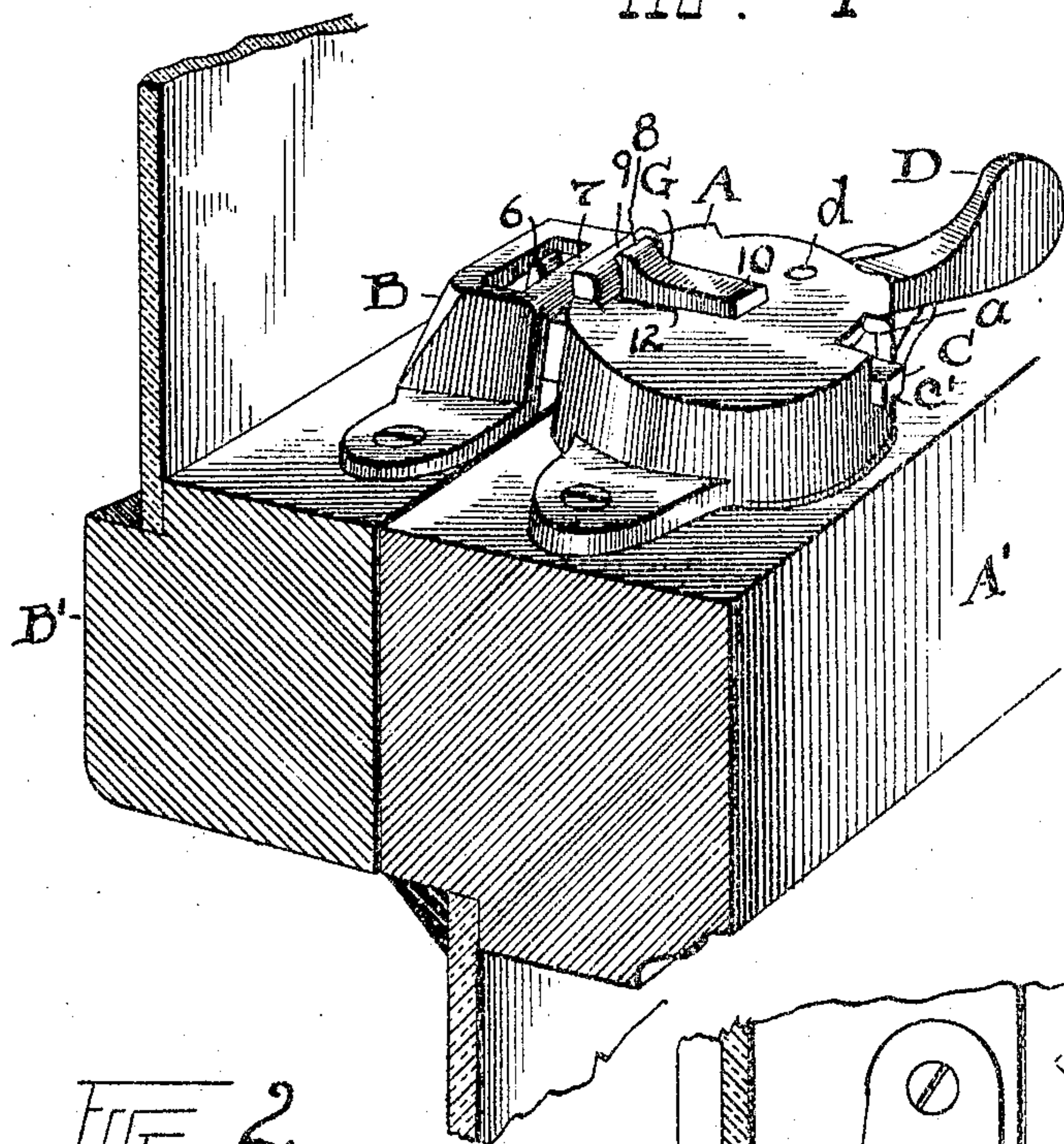


FIG. 3.

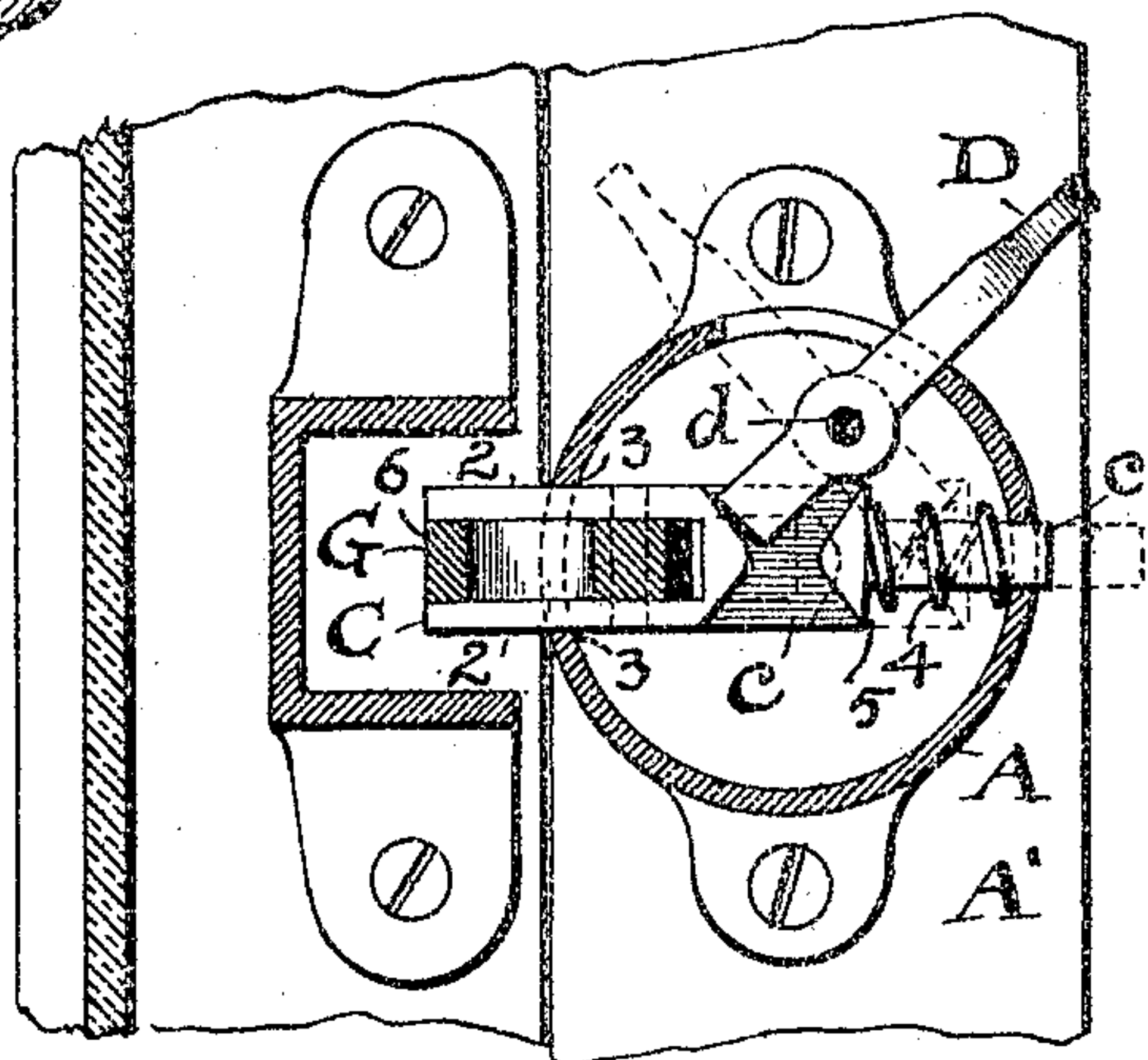


FIG. 2.

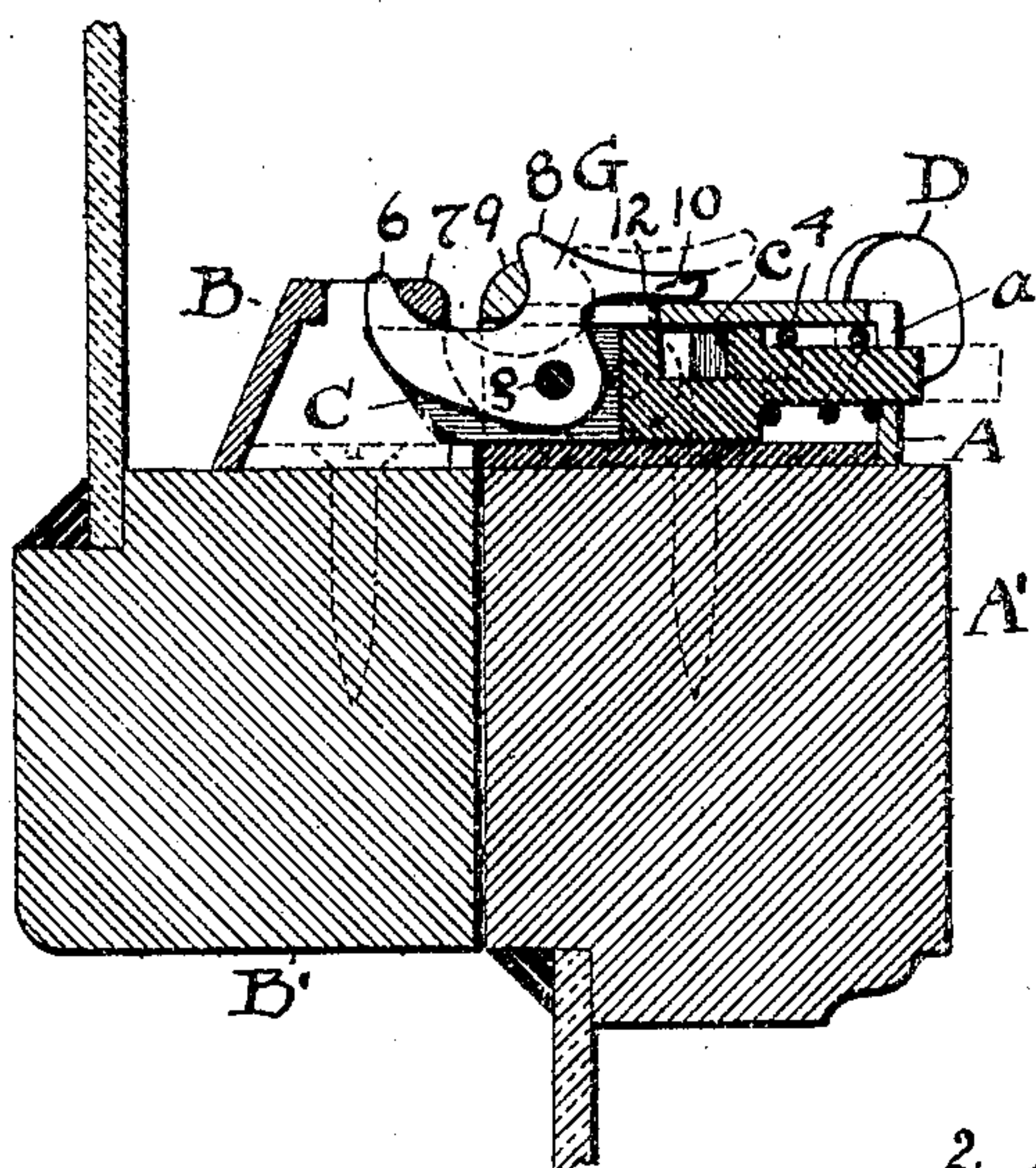
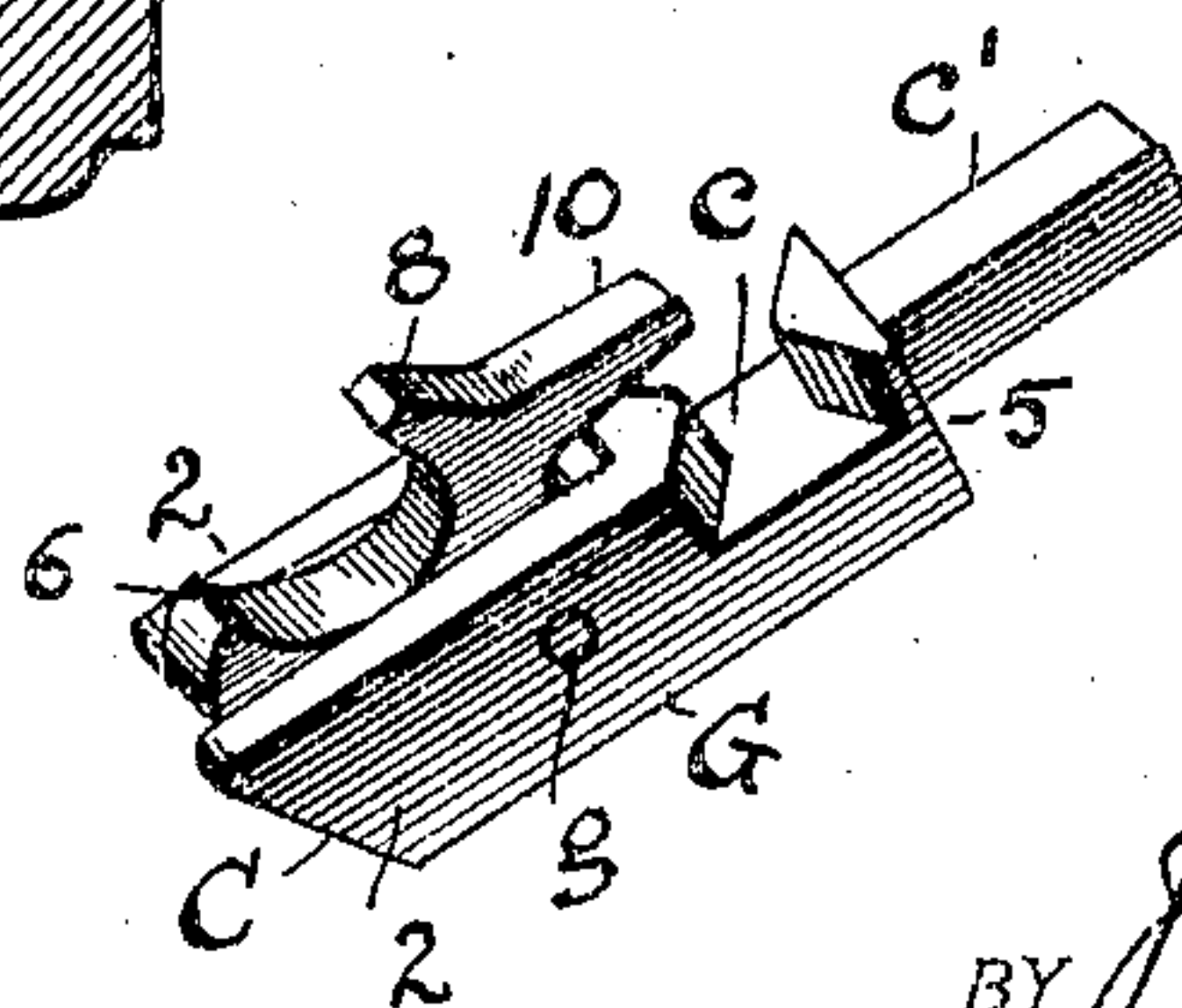


FIG. 4.



WITNESSES:

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## UNITED STATES PATENT OFFICE.

JOHN C. DEGGIM, OF CLEVELAND, OHIO.

## WINDOW-SASH LOCK.

SPECIFICATION forming part of Letters Patent No. 775,524, dated November 22, 1904.

Application filed May 31, 1904. Serial No. 210,335. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN C. DEGGIM, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Window-Sash Locks; and I do 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.

My invention relates to improvements in window-sash locks; and the invention consists in the construction of the lock substantially as shown and described, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view of my sash-lock, shown as applied to two sections of the meeting-rails of upper and lower sashes. Fig. 2 is a central cross-section of the lock and meeting-rails; and Fig. 3 is a plan view with the upper portions of the casing of the lock removed and showing the relation of the handle or lever thereto when it is engaged, as in full lines, and when the lock is open, as in dotted lines. Fig. 4 is a perspective view of the locking-bolt and its engaging member.

A represents the shell or casing of the lock adapted to be fastened upon the top of the lower-sash meeting-rail A', and B represents the engaged member or keeper secured upon the meeting-rail B' of the upper sash.

C represents the bolt, and D the controlling handle or lever engaged in a recess or slot c in said bolt and itself pivoted within the casing on pin or stud d. The said lever or handle D enters the casing or shell A through a slot in its side wall, in which said lever has room for the necessary rotation, as shown in full and dotted lines, respectively, in Fig. 3, and the locking position of the bolt and said lever or handle is shown in full lines in Fig. 3, while the open position of said parts is shown with the bolt back to permit the sashes to pass, as seen in dotted lines, Fig. 3.

The bolt C is designed to have a straight back-and-forth movement within limits in respect to the keeper B and is entirely clear thereof when it is withdrawn and adapted to slide back and forth in the casing A within

limits, a rear extension or stem c' showing through recess a in casing A at its rear, which serves as a guide for the bolt at this point, while the forward portion of the bolt has flat sides 2, resting against the walls 3 of a recess in the casing. A spiral spring 4 about the shoulders 5 of the bolt and oppositely against the said stem or projection c' bears against the wall of the casing and serves normally to hold the bolt in locking position.

The front portion of the bolt C has its opposite sides spaced apart, and a combined locking and lifting member or hook part G is pivoted between the said sides 2 and has a hooked engaging portion 6, which is adapted to engage beneath and behind the cross bar or rib 7 on keeper B. The said hooked member G is further provided with a spur 8 at its top adapted to bear against the cross-rib 9 on the casing in the path of the said spur, and the said spur and cross-rib have such relation to each other and to pivot g when bolt C is carried inward for the purpose of locking that the said spur will impinge against rib 9 with its inner inclined surface and give a tilting turn or movement to the said locking member G, causing it to both lift upward through its hook 6 on keeper 7 and tilt to draw inward, and this operation has the effect of raising the upper sash and depressing the lower sash, if they have not already reached their limits, and also of drawing the sashes closely together at their meeting surfaces. A rear finger 10 on engaging member G serves as a stop or limit therefor in its tilting movement as it bears on the top of casing A, and it has an inclined under side, deepest at the base of the finger, which causes the hook 6 to drop as the said member is withdrawn and as said inclined portion bears against the end edge 12 of the top slot in the casing.

What I claim is—

1. In sash-locks, a casing and a sliding bolt therein, a handle-lever operatively engaged with said bolt and horizontally supported in the wall of said casing, and a separate engaging member pivoted in said bolt, substantially as described.

2. In a sash-lock, a casing, a bolt adapted to slide back and forth therein and provided with



a spring at its rear to hold it in projected position, a handle-lever extending through the wall of said casing and having operating relation with said bolt, and a tilting catch in  
5 said bolt, substantially as described.

3. In a sash-lock, a casing and a sliding bolt therein, a tilting catch mounted on said bolt having a hook at its outer end and a spur at  
10 its top, and the said casing provided with a rib in the path of said spur, whereby when the bolt is closed the said spur will engage the said rib and raise the said hook, substantially as described.

4. In sash-locks, a casing and a sliding bolt  
15 therein and a pivoted catch in said bolt having a hook at its outer extremity, said catch having a spur at its top and a finger behind its pivot above said casing, substantially as described.

20 5. In sash-locks, a suitable casing, a sliding bolt therein and a lever to actuate said bolt,

and a tilting catch in said bolt provided with a hook at its outer end, in combination with a keeper constructed to be engaged by said  
hook from beneath, substantially as described. 25

6. In sash-locks, a suitable casing, a sliding bolt therein and a spring about the rear portion of said bolt inside of said casing, a catch pivoted in said bolt having an upturned hook  
at its outer end and a spur above its pivot- 30 point adapted to engage a portion of the said casing and thereby raise the said hook, in combination with a keeper having a rib adapted to be locked upon said hook, substantially as described. 35

I testimony whereof I sign this specification in the presence of two witnesses.

JOHN C. DEGGIM.

Witnesses:

R. B. MOSER,  
C. A. SELL.