

(No Model.)

L. J. CHURCH.

FASTENER FOR MEETING RAILS OF SASHES.

No. 297,499.

Patented Apr. 22, 1884.

Fig. 1.

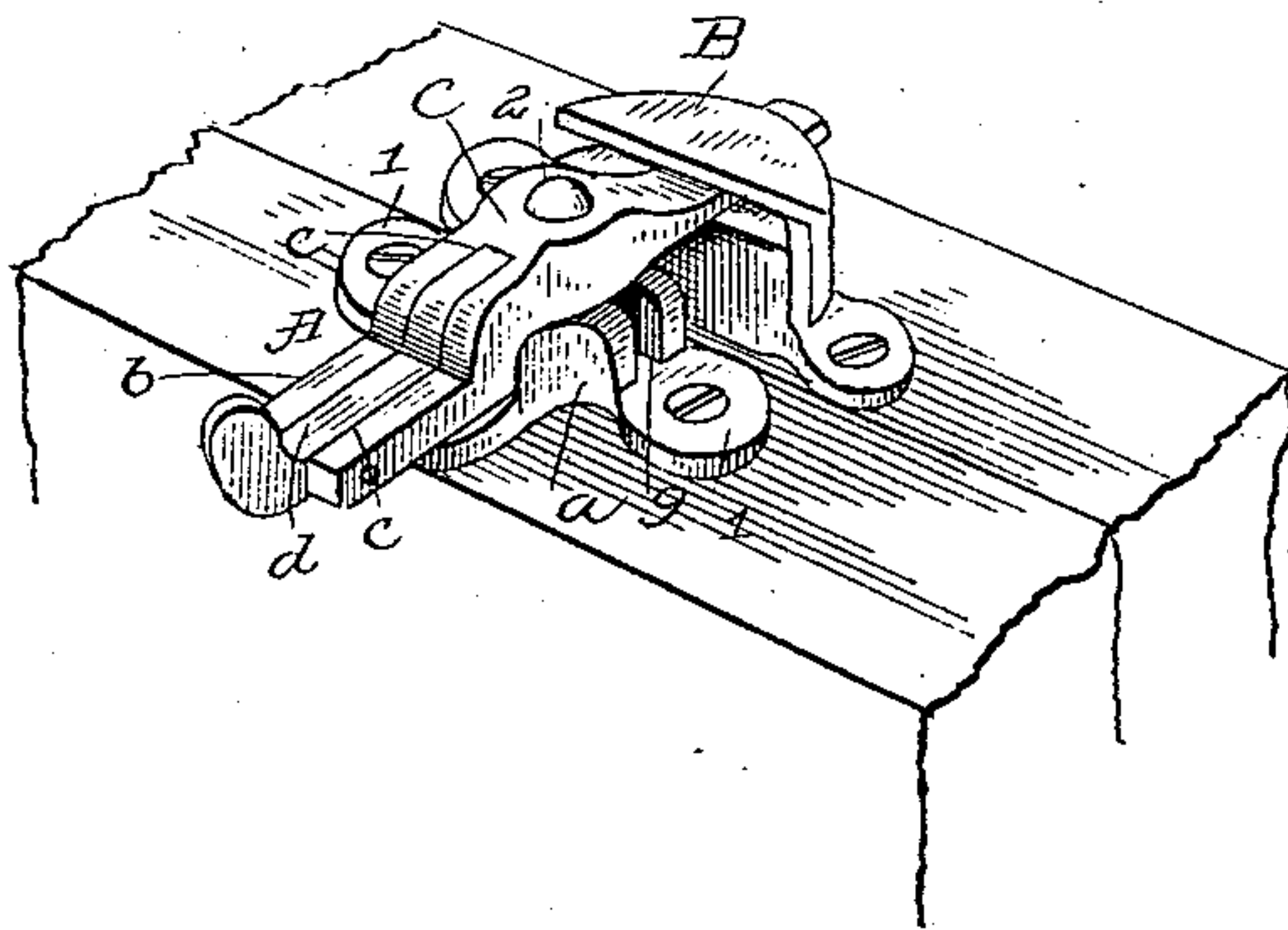


Fig. 2.

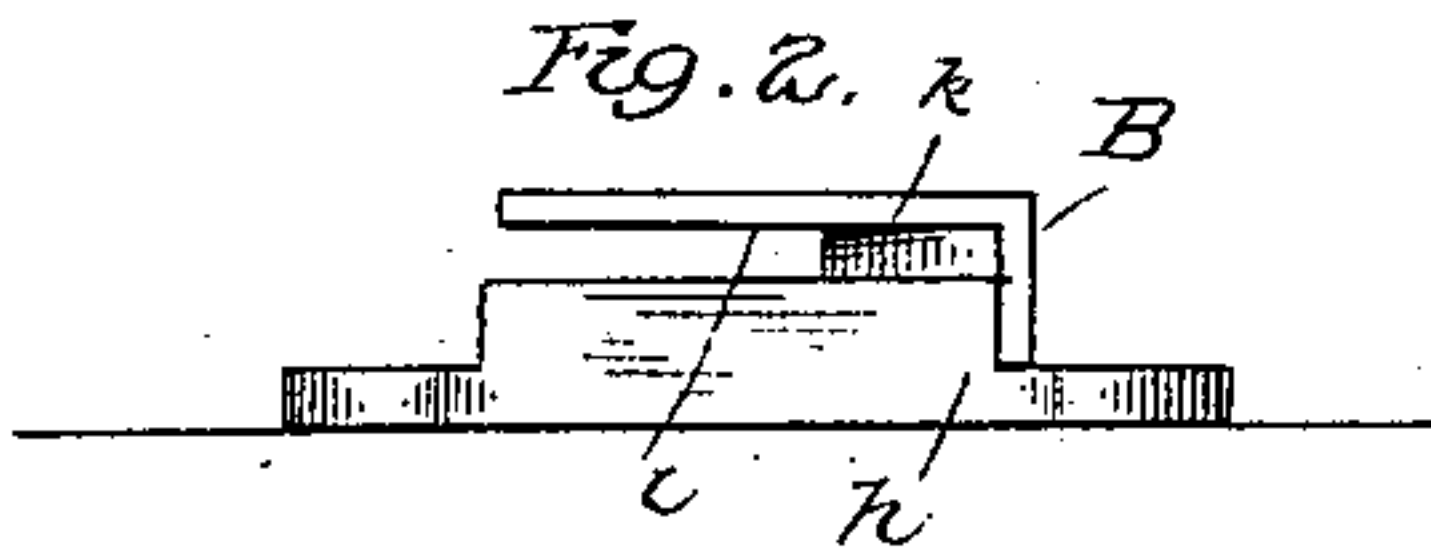


Fig. 5.

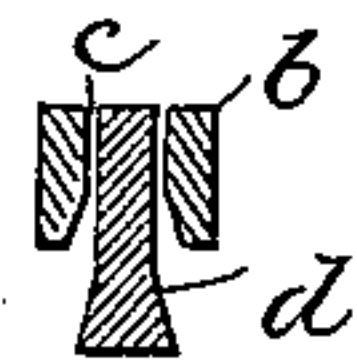


Fig. 3.

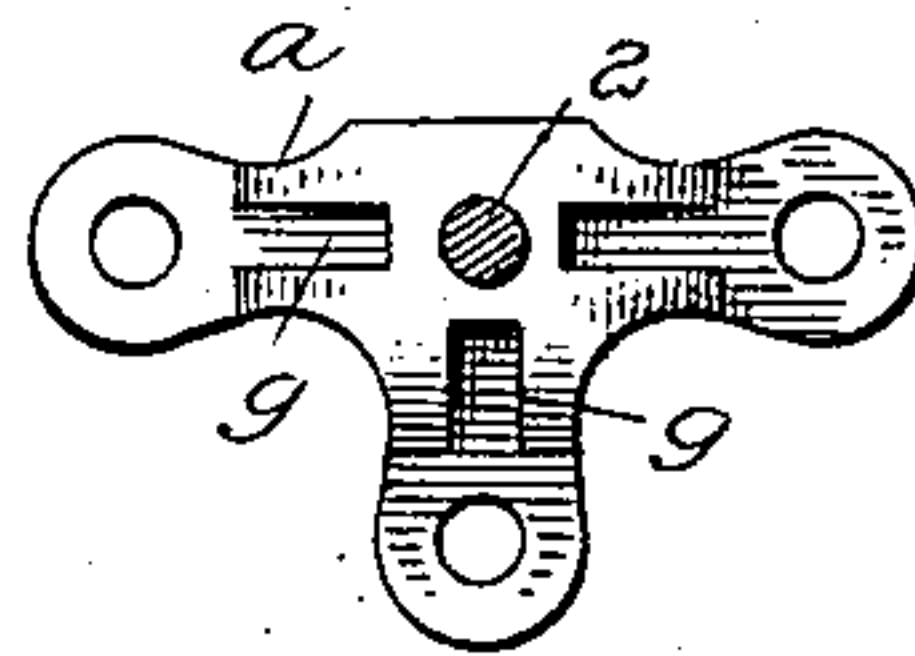
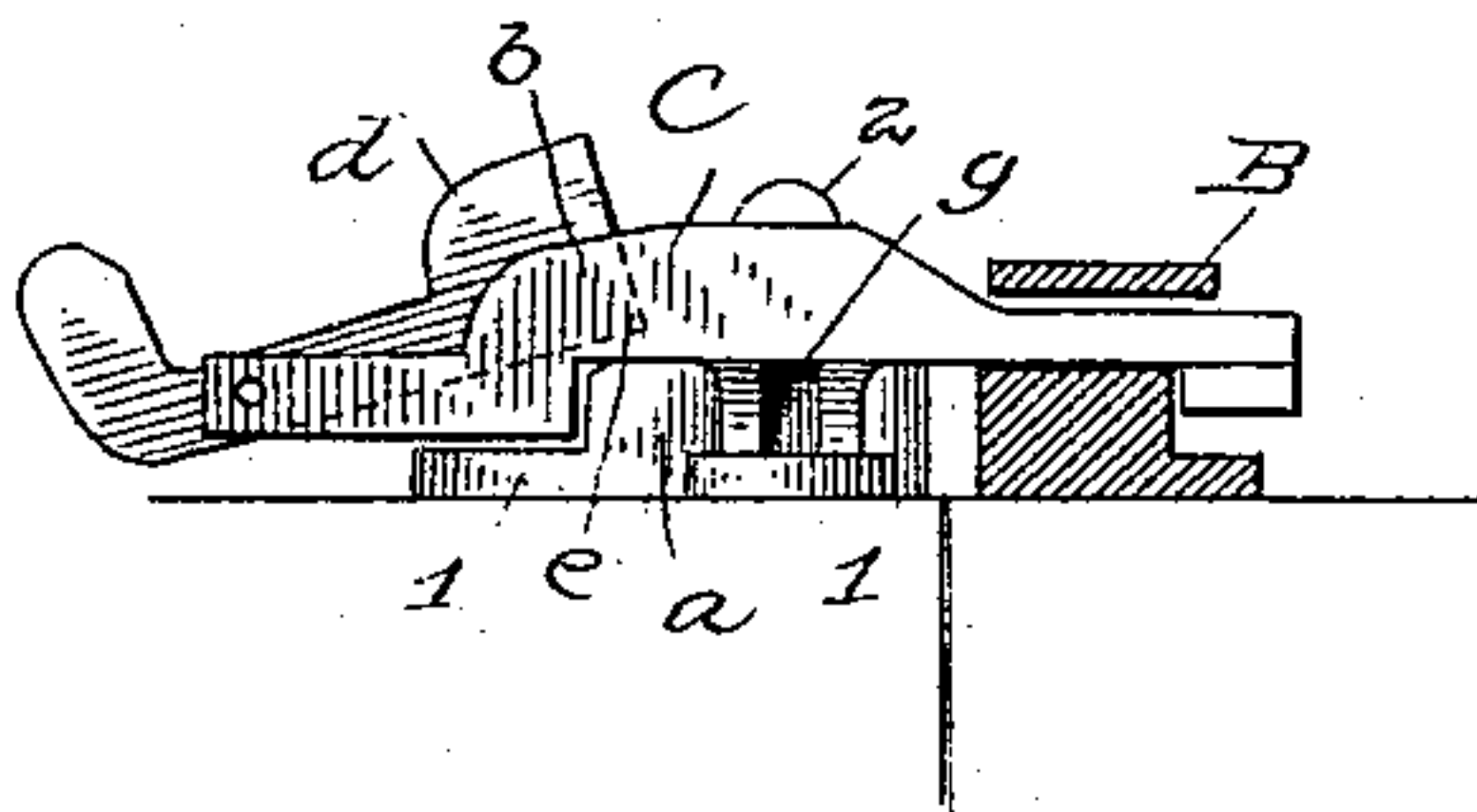


Fig. 4.



Attest:

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Atty's.

# UNITED STATES PATENT OFFICE.

LOUIS J. CHURCH, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR OF  
ONE-HALF TO WILLIAM H. WYLIE, OF SAME PLACE.

## FASTENER FOR MEETING-RAILS OF SASHES.

SPECIFICATION forming part of Letters Patent No. 297,499, dated April 22, 1884.

Application filed November 19, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, LOUIS J. CHURCH, of Washington, District of Columbia, have invented a new and useful Improvement in Sash-  
5 Locks; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention is an improvement in sash-locks, and is designed to provide a simple and  
10 effective lock with few parts and cheap to manufacture.

The invention consists in the details constituting the lock, all of which will be fully described, and particularly pointed out in the  
15 claim.

In the drawings, Figure 1 represents the lock in perspective, attached to the sash. Figs. 2 and 3 are detail views showing the parts detached. Fig. 4 shows the lock partly in side  
20 elevation and partly in section. Fig. 5 is a detail view of the inner end of the gravity-latch.

The object of the invention is to reduce the amount of metal in the lock and to render it  
25 more difficult to operate from the outside. This sash-lock is of that class in which a horizontal swinging latch is pivoted on the lower sash, and is adapted to swing under a catch, with a gravity-latch on the front end adapted  
30 to drop automatically and hold the main latch in a locked position.

In my invention the part which is mounted on the lower sash is marked A. It has a base,  
35 a, of ordinary metal, used for this purpose, and having in its center a pin, 2, on which the latch is pivoted. This base a has the locking-notch for the gravity-latch near its center or pivot, and may therefore be made of very small size. As shown, it is provided with  
40 three small projections, giving it a form of a trefoil. Each of these projections has a small hole for the reception of the screws by which the base is fastened to the sash.

The latch C is in the main like those latches  
45 ordinarily used, and is adapted to swing under the catch B in the ordinary way. The inner end of this latch is slotted from said inner end to near the pivot, and a gravity-latch, d, is adapted to fit into this slot, being pivot-

ed therein at the front end. The rear end of  
50 that which is toward the pivot is adapted to drop into the notch in the base a, by means of which the latch is locked in place. The locking-notch is marked g. The front end of the gravity-latch projects slightly from the main latch,  
55 so that it can be pressed by the finger, and the rear end raised out of the notch. The rear end, being longest, falls readily by gravity.

The part B is of ordinary construction, made of a single casting, h, as the base, and a flange-  
60 plate, i, adapted to receive the end j of the latch C. The standard k is placed so that the latch bears against it when the gravity-latch is in position to drop into the center notch. In order that the gravity-latch may be retained  
65 in its slot, I make the gravity-latch larger in its lower part and form the slot to correspond. The latch is introduced from below and cannot be lifted entirely out from above. The front end of the gravity-latch is made only  
70 large enough to be conveniently moved by the finger, and cannot therefore be readily manipulated from the outside. This mode of constructing the latch and gravity-latch lessens the amount of metal required, as the gravity-  
75 latch may be very thin, being inclosed in the slot of the main latch.

I claim as my invention—

The sash-lock described, consisting of the part a, having the locking-notches g, and ex-  
80 tensions 1, for attachment to the sash, the latch c, pivoted on the part a, and slotted at its front end, and a gravity-latch pivoted within said slot by a pivot passing through the front thereof, said gravity-latch being larger at its  
85 lower inner end, and adapted to fall by gravity in the locking-notches when opposite thereto, in combination with the catch B on the outer sash, adapted to receive the end of the catch C, substantially as described. 90

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LOUIS J. CHURCH.

Witnesses:

J. B. THOMPSON,  
FRANK A. LAW.