

(No Model.)

S. A. BROWN.

SASH HOLDER.

No. 296,723.

Patented Apr. 15, 1884.

Fig. 1.

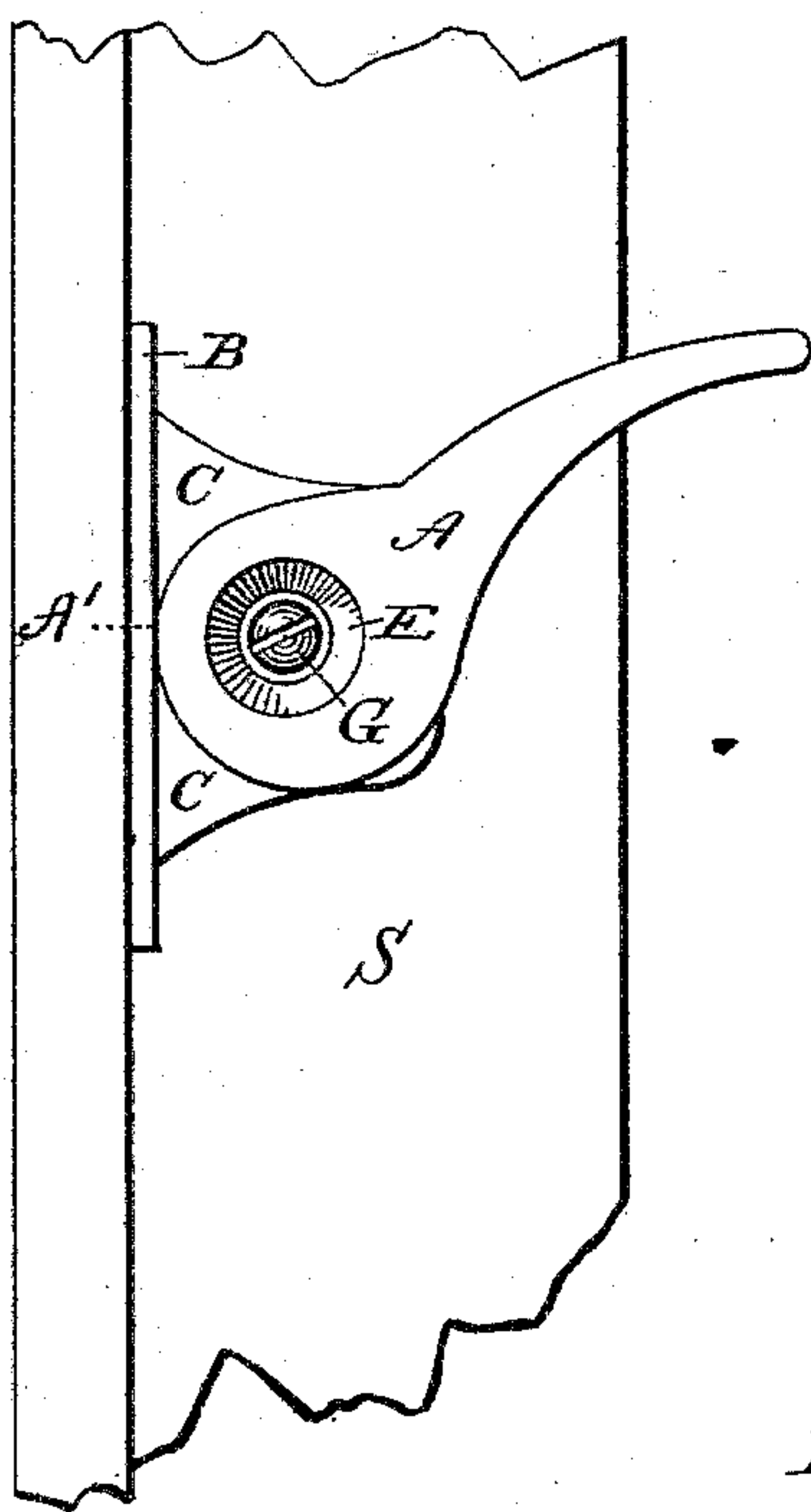


Fig. 2.

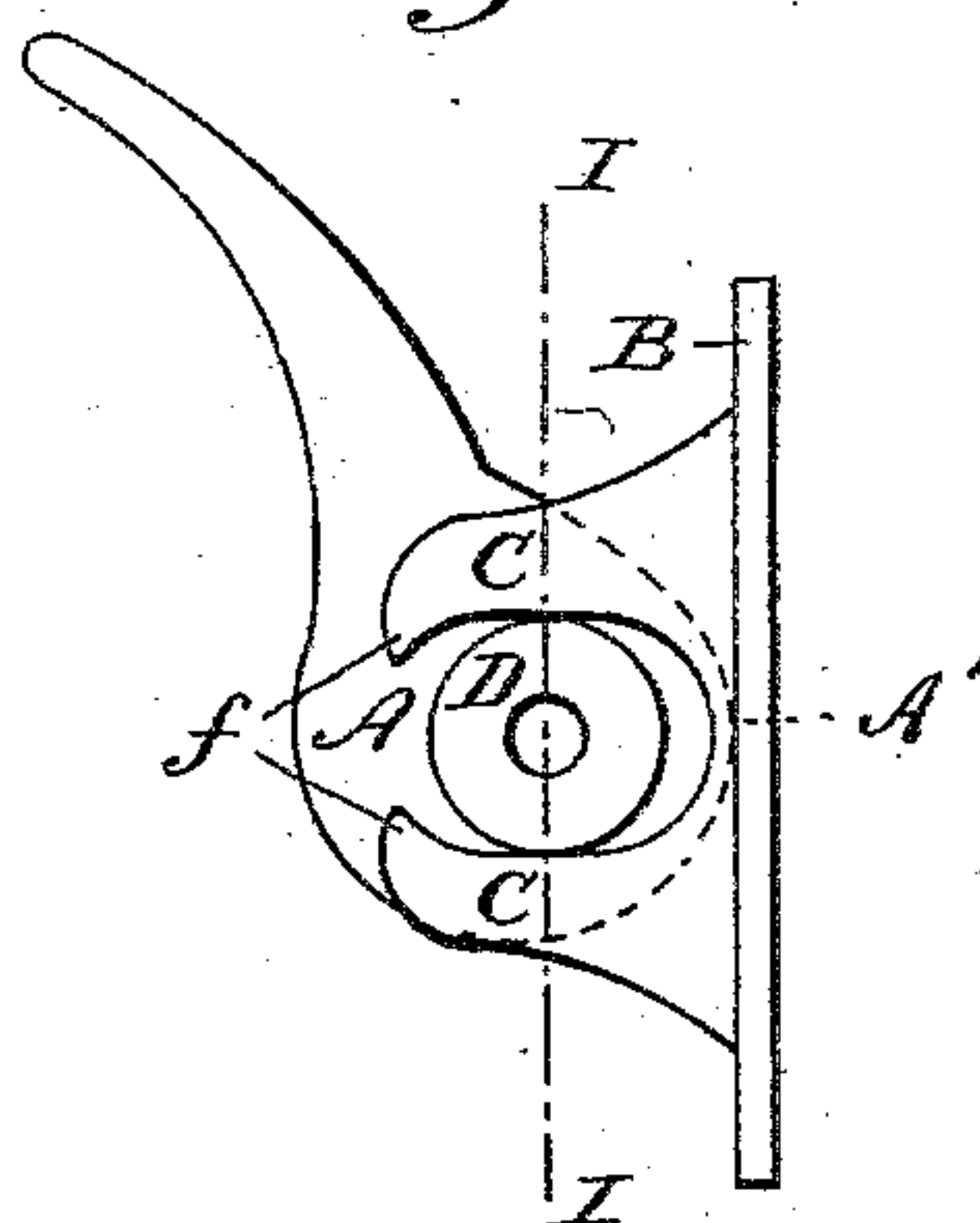
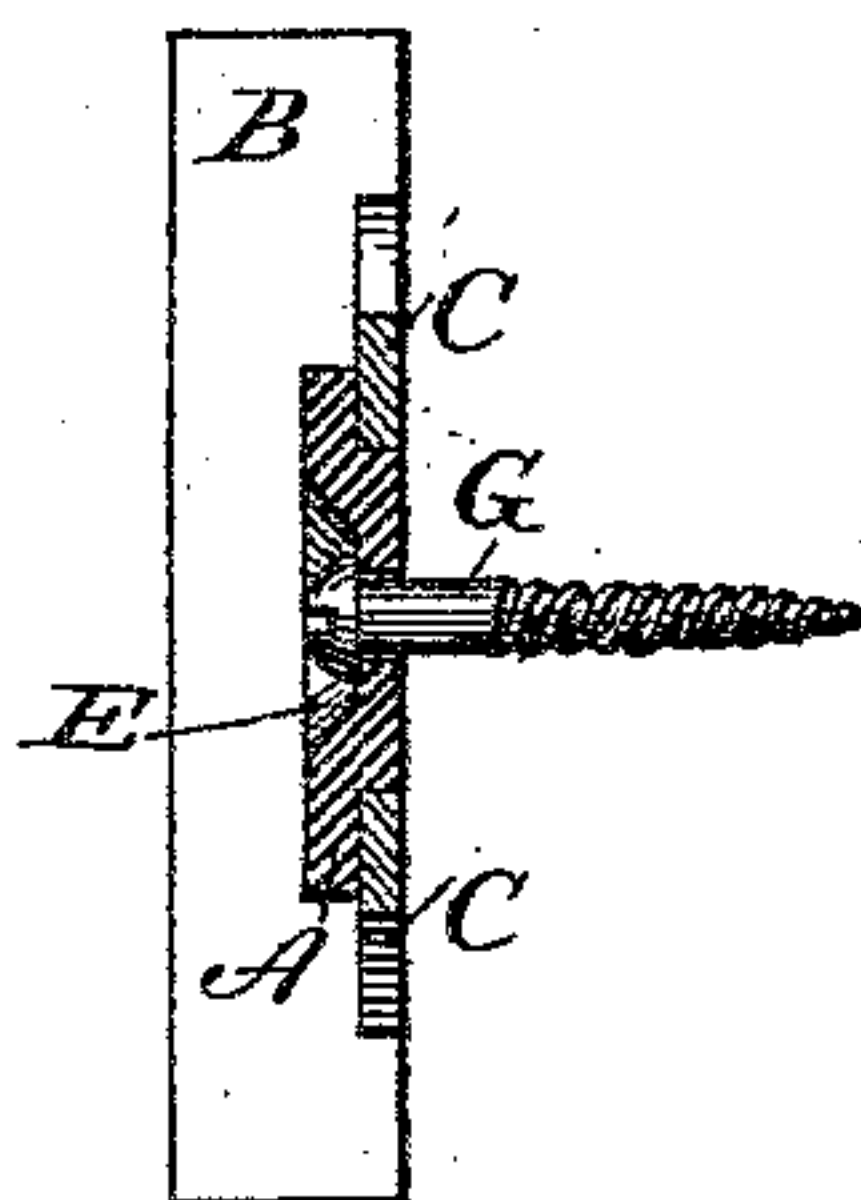


Fig. 3.



Witnesses:

James Sawyer
J. M. Caldwell

Inventor:

Seth A. Brown

UNITED STATES PATENT OFFICE.

SETH A. BROWN, OF BUFFALO, NEW YORK.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 296,723, dated April 15, 1884.

Application filed October 22, 1883. (No model.)

To all whom it may concern:

Be it known that I, SETH A. BROWN, of the city of Buffalo, in the county of Erie and State of New York, have invented an Improved Sash-Lock, of which the following is a specification.

My invention is an improvement on that class of sash-locks employing a cam-lever and pressing-plate, and has for its object to furnish a support for window-sash when up and a lock when the sash is in any position.

Figure 1 is a front view of the lock; Fig. 2, a back view. Fig. 3 is a sectional view taken through the dotted line I I, Fig. 2.

Like letters of reference indicate corresponding parts in all the figures.

It consists of a pressing-plate provided with parallel arms which embrace a circular boss or projection on a pivoted cam-lever.

In the drawings, A represents the cam-lever. A' represents the cam or eccentric portion of cam-lever A; B, pressing-plate; C C, parallel arms; D, boss or projection on cam-lever A; E, recess in cam-lever; F F, projections on arms C C; G, screw or pivot.

The arms C C are long enough to allow a lateral motion of the sliding plate B, and have inward projections F F at their extremities, which act as stops to prevent the pressing-plate B from sliding away when the sash is taken out of the frame.

The cam-lever A has a circular recess, E, concentric with the boss D, to admit the screw-head, which allows the screw G to be driven close to the sash, making a stronger pivot than if the pressure were to act farther away. The screw G passes through a hole in the cen-

ter of the boss D, and secures the cam-lever A and pressing-plate B on the sash S. By turning the cam-lever the periphery or eccentric portion or cam A' is forced against the pressing-plate, and the friction thus caused holds the sash securely.

The object of the parallel arms C C is to cause the pressing-plate B to move in a straight line to and from the window-strip, and thereby avoid the grinding and sliding action, which an oblique motion would produce.

The boss D on the cam-lever A is concentric with the pivot or screw G, and rotates between the arms C C. The boss D, while allowing the screw G to be driven close to the sash, also acts on the arms C C, to prevent the pressing-plate B from moving upward or downward.

By the above arrangement of parts the lock can be cheaply constructed, is strong, and not liable to get out of order. It is also easily and quickly applied.

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

A sash-lock consisting of the pressing-plate B, having the separate parallel arms C C, provided with the projections F F, in combination with a cam-lever, A, having the eccentric portion or cam A' and a boss or projection, D, the latter being concentric to the pivot G, and provided with a depression or recess, E, on its opposite side, to receive the screw-head.

SETH A. BROWN.

Witnesses:

WM. F. YOUNG,

CHARLES B. SHERWOOD.