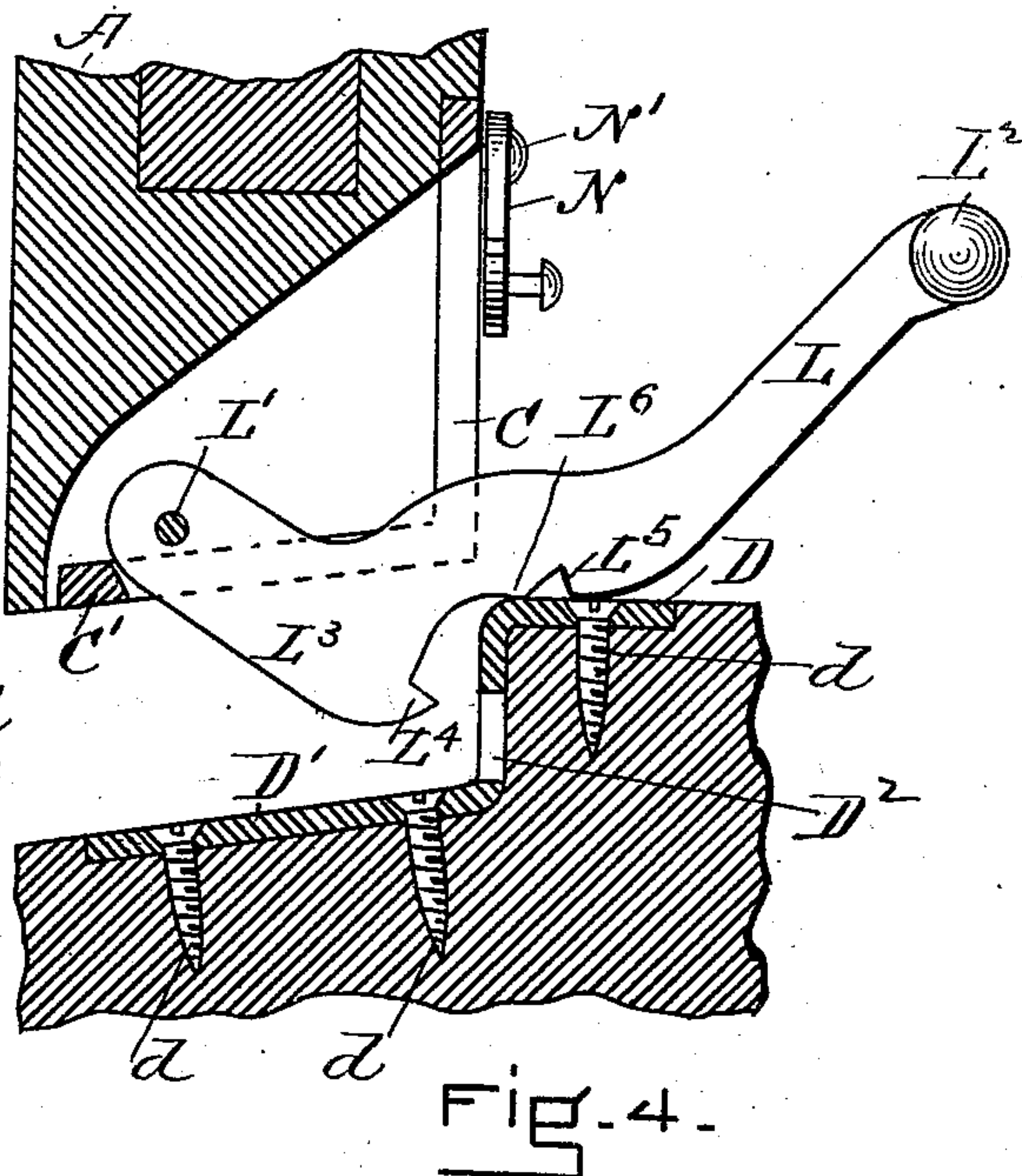
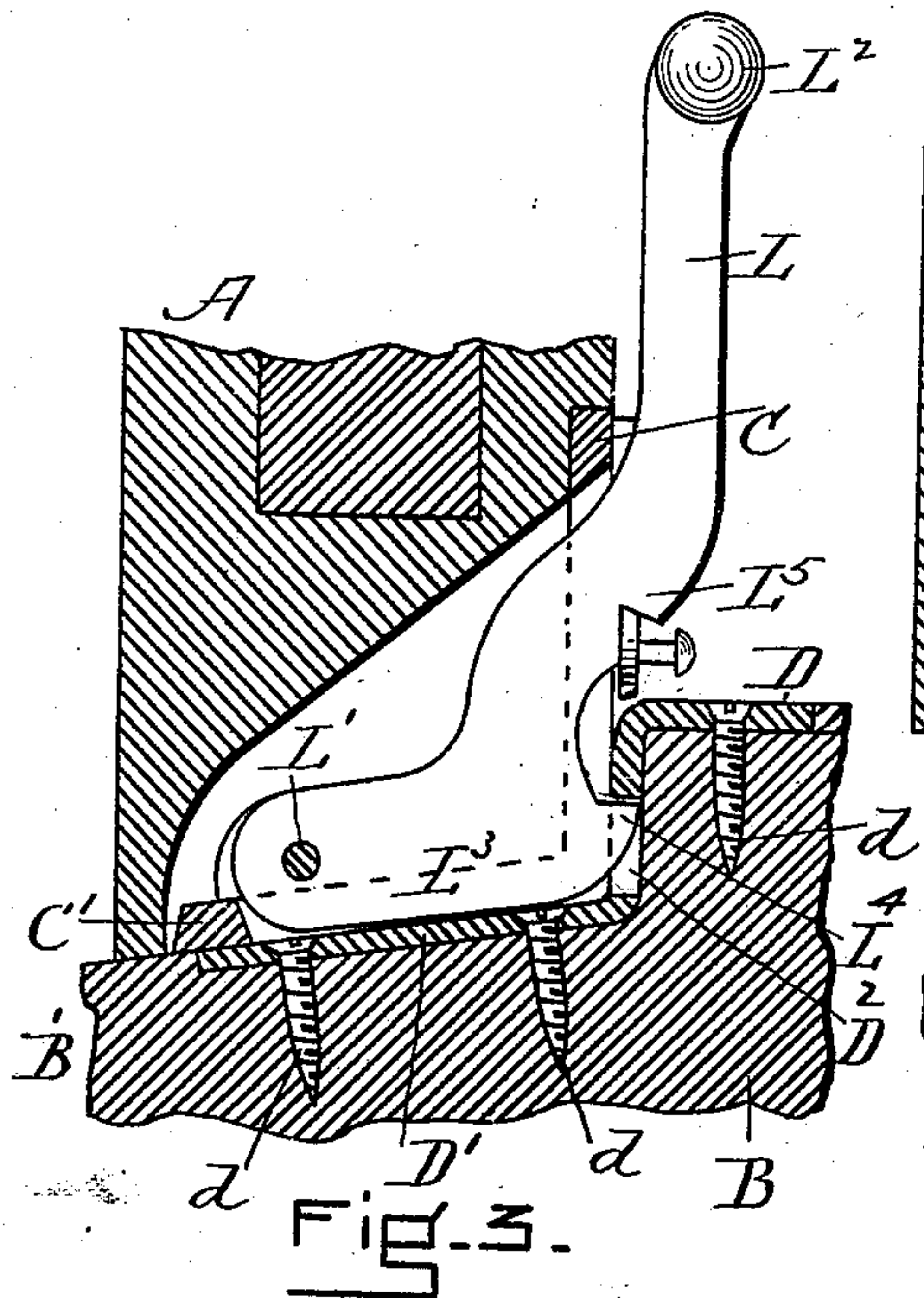
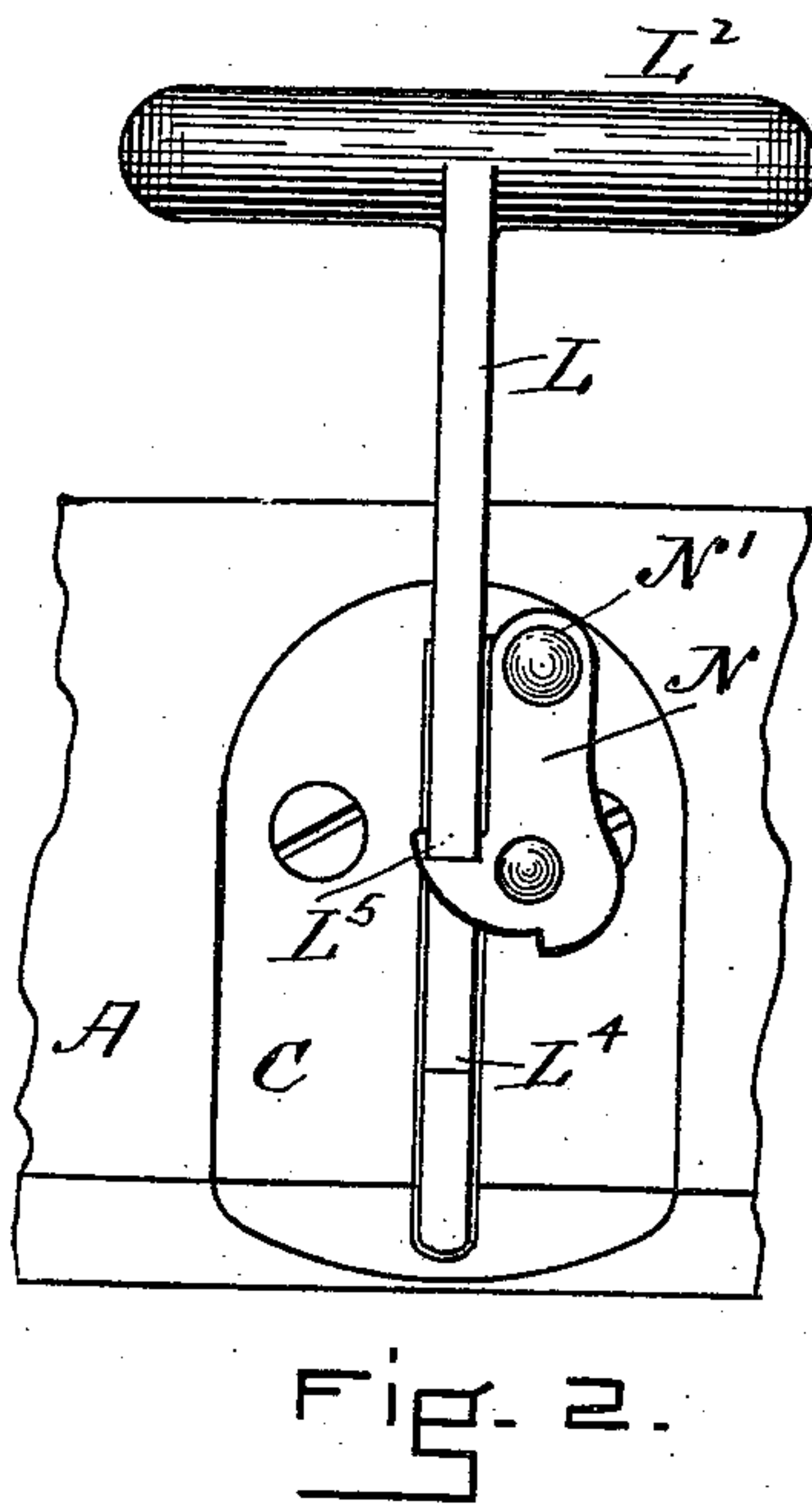
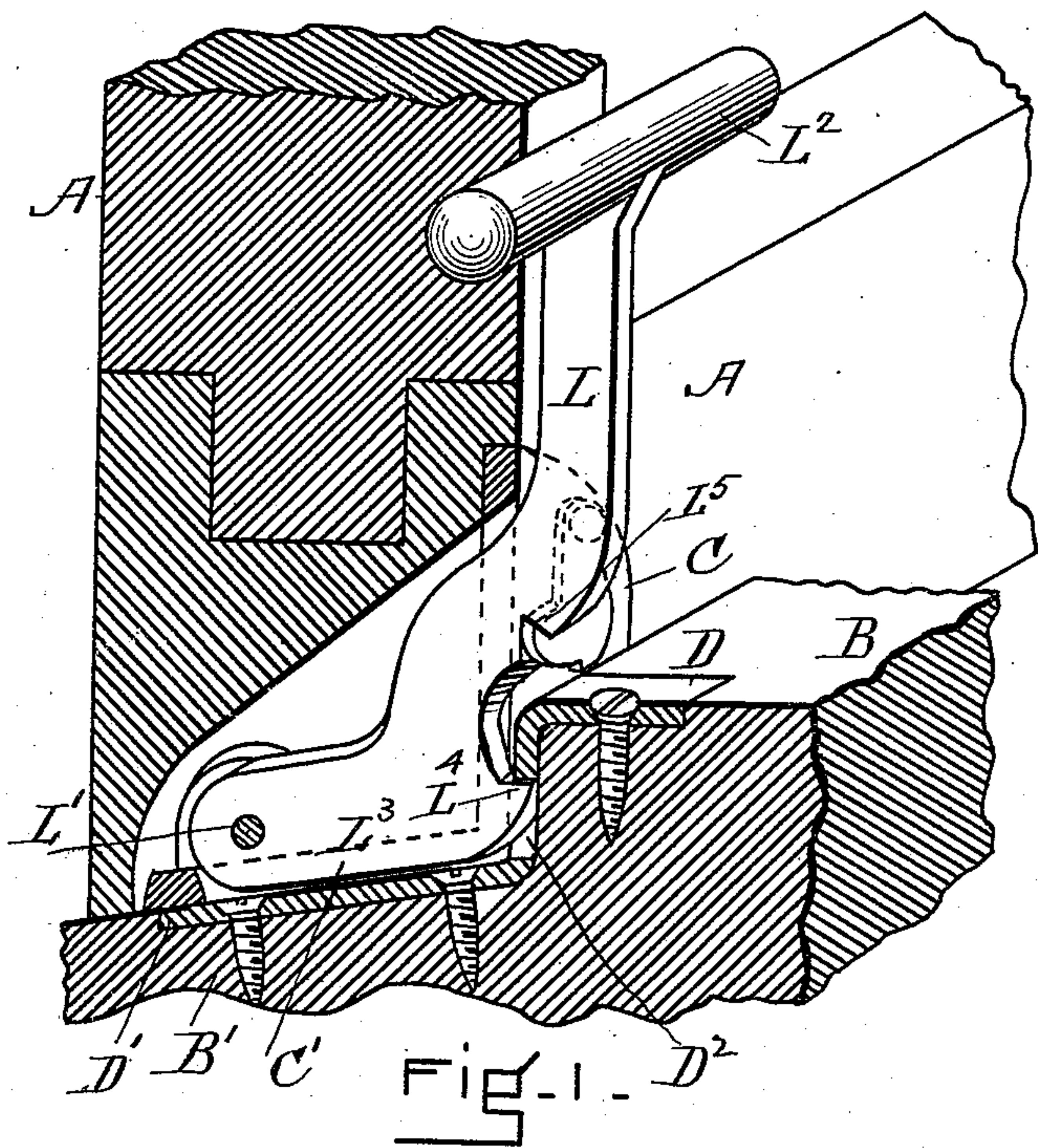


(No Model.)

W. G. ANDERSON.  
SASH STARTER AND LOCK.

No. 549,482.

Patented Nov. 12, 1895.



WITNESSES  
Frank E. Parker.  
Frank G. Hattie

INVENTOR  
William G. Anderson.



# UNITED STATES PATENT OFFICE.

WILLIAM G. ANDERSON, OF BOSTON, MASSACHUSETTS.

## SASH STARTER AND LOCK.

SPECIFICATION forming part of Letters Patent No. 549,482, dated November 12, 1895.

Application filed July 5, 1894. Serial No. 516,629. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM G. ANDERSON, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Sash Starters and Locks, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to a mechanism to be attached to the lower part of a sash-frame; and it consists in a device which acts both as a lever to overcome the tendency of a sash to "stick" when closed and to start it, moving it far enough to clear it from the window-seat, and it also acts as a lock when the sash is closed.

The invention is embodied in the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a view showing a part of a window-sash in section and in perspective, with my device attached. Fig. 2 shows in front elevation that part of my device that is attached to the sash. Fig. 3 shows in section and elevation my device and parts of the sash and window-seat, the window being closed and locked. Fig. 4 shows in section and elevation my device and parts of the sash and window-seat, the sash being raised from its seat.

In the drawings, A A represent parts of the sash, and B B' parts of the window-seat.

A strong metallic plate C C' is fitted to the sash and fastened to it by screws or otherwise, as may be desired. The plate C C' is adapted to receive a bent lever L, which is attached to it by a pin L', upon which the lever swings. L<sup>2</sup> is a handle by which the lever is operated.

A bent metallic plate D D' is made fast to the window-seat by means of screws *d d d*. This plate has a recess D<sup>2</sup> cut in it, for the purpose of engaging the hook L<sup>4</sup> of the lever L, as shown in Figs. 1 and 3, by which the sash is locked and by which it is forced into place.

A hook N, pivoted to the plate C C' at N', serves to engage with the notch L<sup>5</sup> on the lever L and to hold the said lever in its locking position, as shown in Figs. 1, 2, and 3.

The lower part of the lever L is formed into a cam-like piece L<sup>3</sup>, which is adapted to work against the plate D', and thus as the lever L is pulled forward to pry up the sash. This lifting action of the lever will continue until the lever is brought so far forward that the part L<sup>6</sup> (see Fig. 4) comes in contact with the plate D. Then the sash may be still farther raised.

The most useful feature of my invention consists in the fact that it acts so easily to start the sash from its closed position, as it is well known that when sashes have remained closed for some time they become wedged or stuck, so that they cannot be started except by the greatest exertion.

I claim—

1. In a sash fastener and starter, a plate inserted centrally in the lower rail of the sash, a lever pivotally attached to said plate and adapted to act as a lever and a base plate inserted in the window seat, whereby the sash may be started and lifted, said lever being also provided with a hook adapted to engage with a recess made in said base plate, substantially as, and for the purpose set forth.

2. In a sash starter and fastener, a plate inserted centrally in the lower rail of the sash, a lever pivotally attached thereto, and a base plate in the window seat whereby the sash may be started, a hook attached to the said sash rail and adapted to engage with said lever, and lock the same in its position, substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 2d day of July, A. D. 1894.

WILLIAM G. ANDERSON.

Witnesses:

FRANK G. PARKER,  
FRANK G. HATTIE.