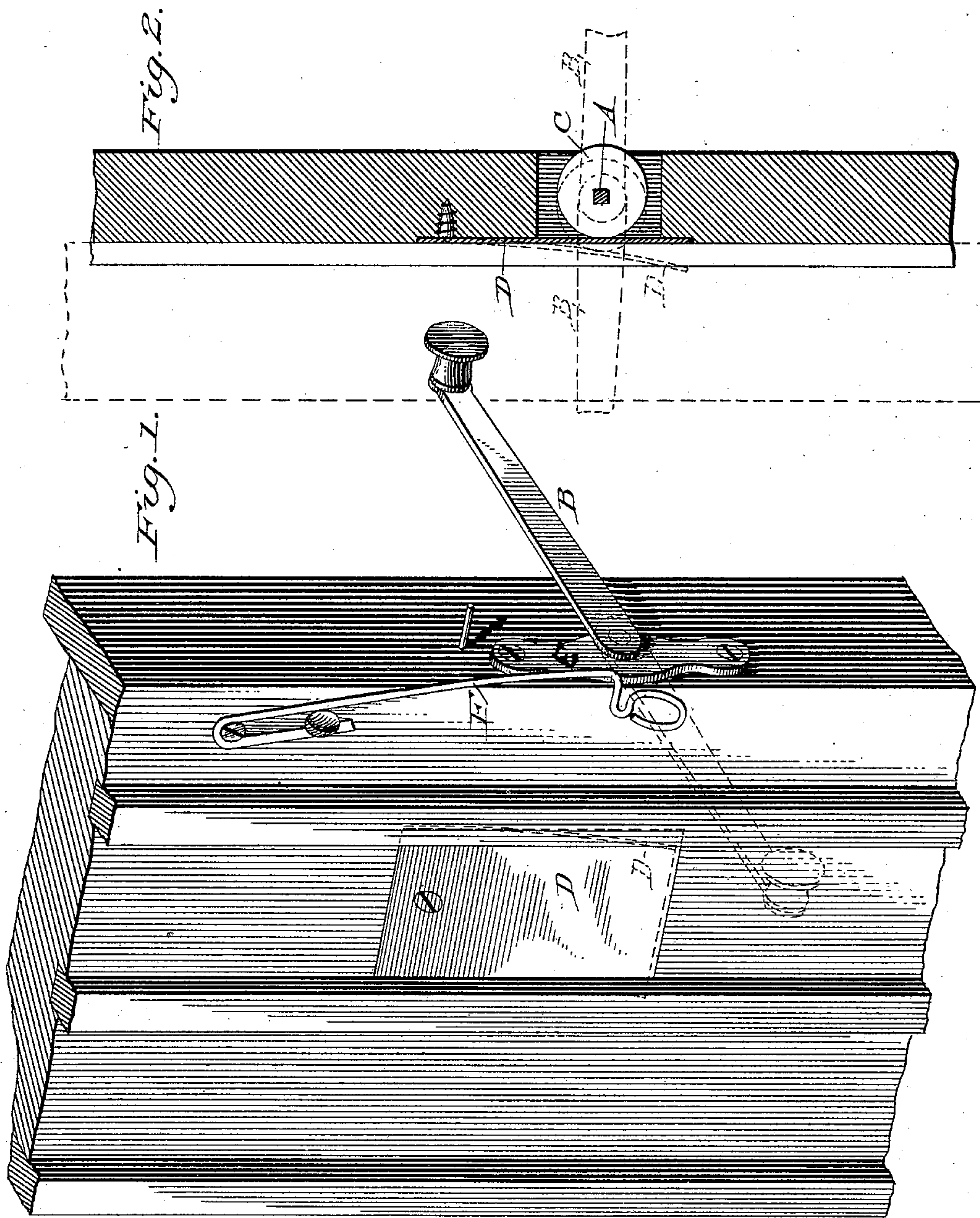


(Model.)

J. E. TOFT.
SASH HOLDER.

No. 350,511.

Patented Oct. 12, 1886.



Witnesses.

D. L. Anderson
John Crane

Inventor.

Joseph E. Toft

UNITED STATES PATENT OFFICE.

JOSEPH E. TOFT, OF EXIRA, IOWA.

SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 350,511, dated October 12, 1886.

Application filed March 24, 1886. Serial No. 196,408. (Model.)

To all whom it may concern:

Be it known that I, JOSEPH E. TOFT, a citizen of the United States, residing at Exira, in the county of Audubon and State of Iowa, have
5 invented a new and useful Combined Sash-Holder and Safety-Lock, of which the following is a specification.

My invention consists of a combined sash-holder and safety lock; and the objects of my
10 invention are, first, to provide facilities for the balancing and locking of upper and lower sashes of windows in any desired position independently of each other; second, to obviate the wear and indentation of window sash and
15 casings; third, to provide facilities for ease and convenience in the manipulation of sashes. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

20 Figure 1 is a perspective view of jamb-casing of window-frame after removal of sash, showing the position of sash-holder as applied to window-frame. Fig. 2 is a vertical section of jamb-casing, showing operation of shaft A, cam C, and metallic plate D.
25

Similar letters refer to similar parts throughout the several views.

30 The shaft A, crank B, cam C, metallic plate D, and spring F constitute the working parts of the invention. Crank B turns shaft A, forcing cam C against metallic plate D, which comes in contact with window-sash, holding same at any desired position. Spring F, com-

pressed by downward pressure of crank B, returns to position over upper side of crank B 35 and holds same in position until released, as shown in Fig. 1. The cam C on shaft A is adjustable, and can be applied to upper or lower sash. Shaft A passes through inside window casing and jamb, as shown in Figs. 1 40 and 2, and is kept in place by escutcheon, that portion of shaft passing through escutcheon being reduced in size. Cam C works on shaft A in an aperture cut in the sash-slide of window-frame, as shown in Fig. 2. Plate D is a 45 flexible metallic plate covering the aperture in which cam C works, the upper part of plate D being slightly curved and sunk into jamb-casing, to which it is secured at upper end by wood-screw. 50

I am aware that prior to my invention there have been patented and constructed various apparatuses for balancing and locking window-sash. I therefore do not claim such a combination, broadly; but 55

What I do claim as my invention, and desire to secure by Letters Patent, is—

In a sash holder and lock, the combination of the crank B and escutcheon E with the shaft A, cam C, adjustable on shaft A, metallic friction-plate D, and spring-catch F, all as substantially set forth and described. 60

JOSEPH E. TOFT.

Witnesses:

JOHN CRANE,
D. G. ANDERSON.