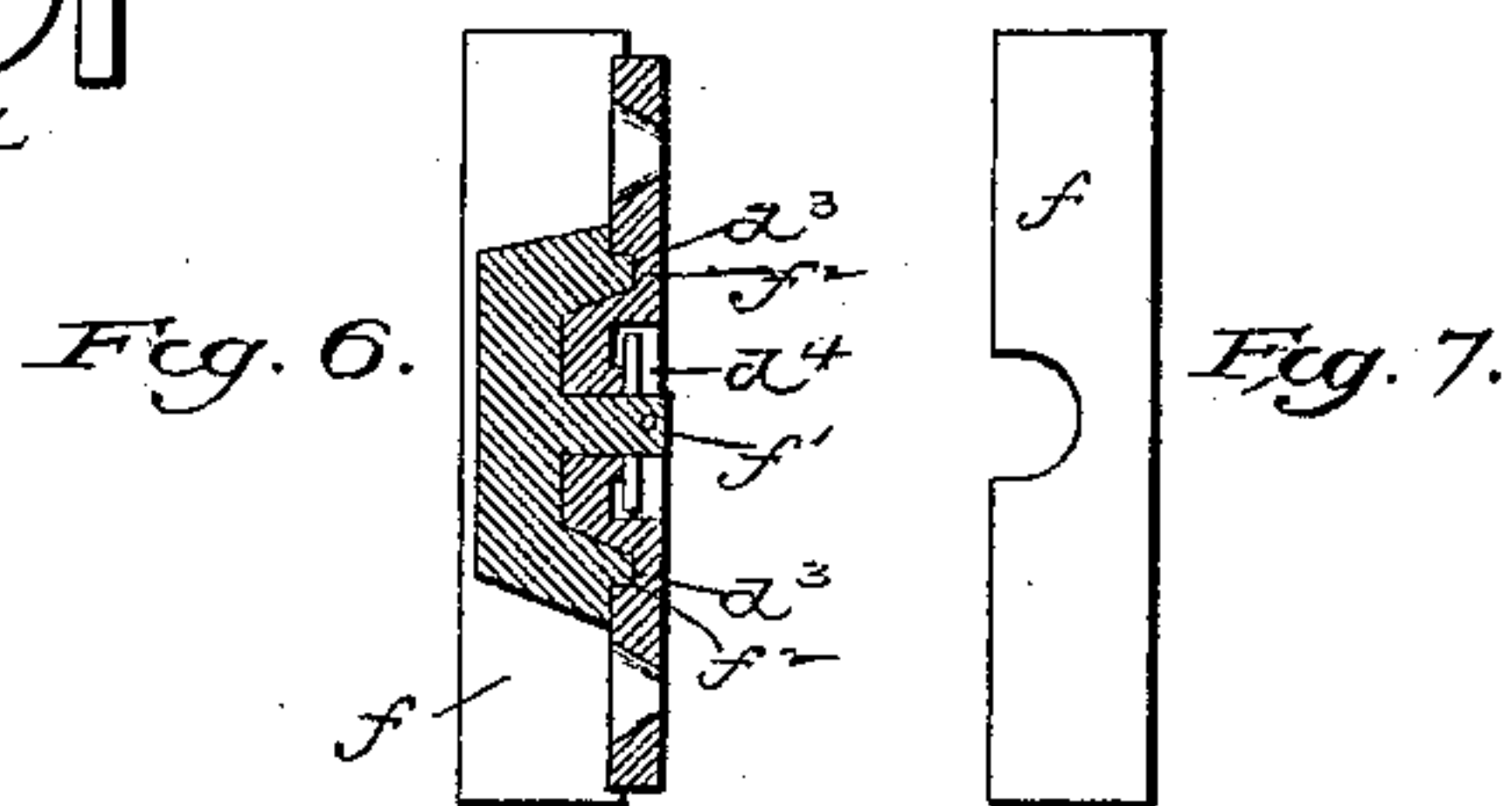
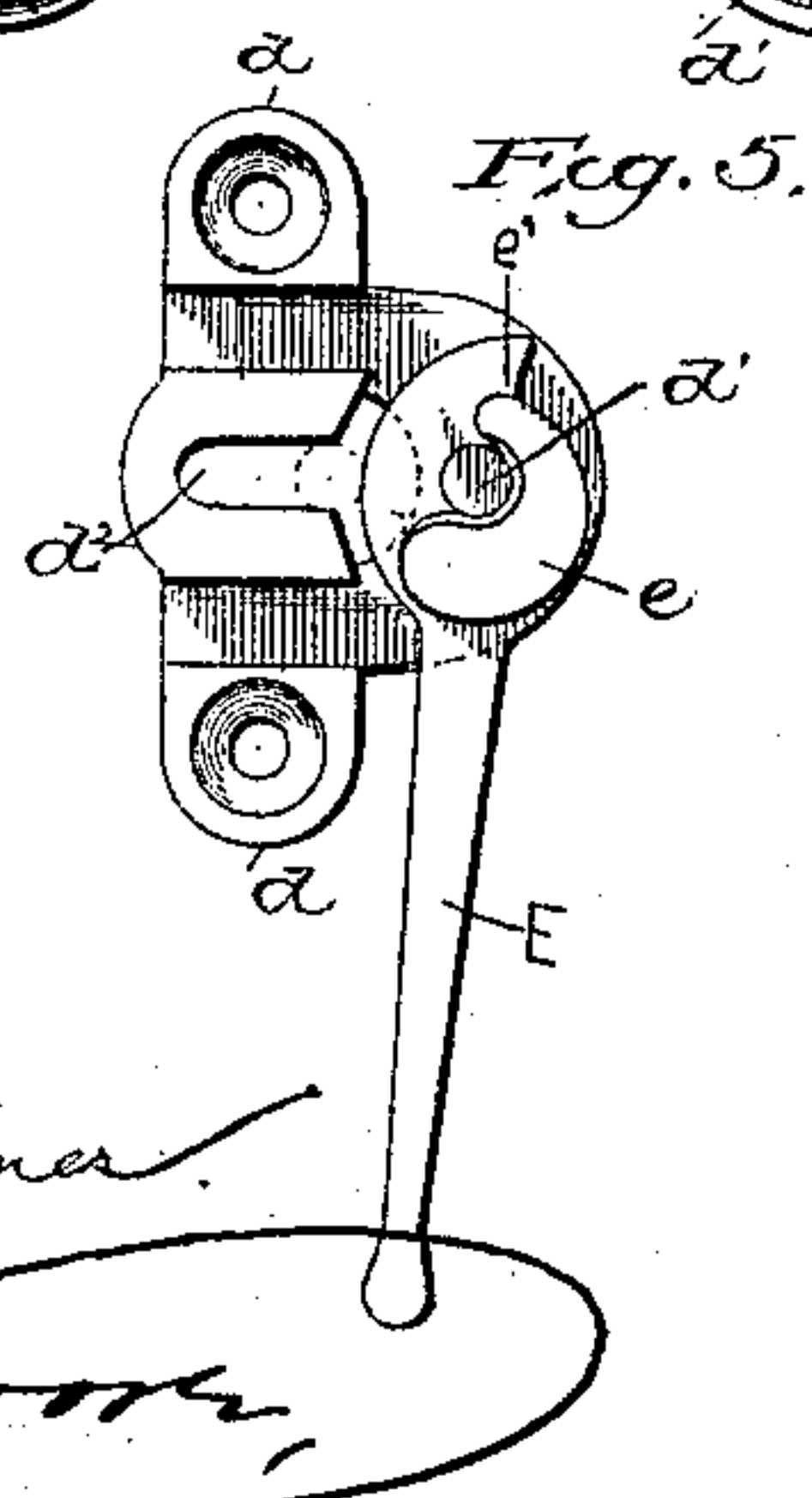
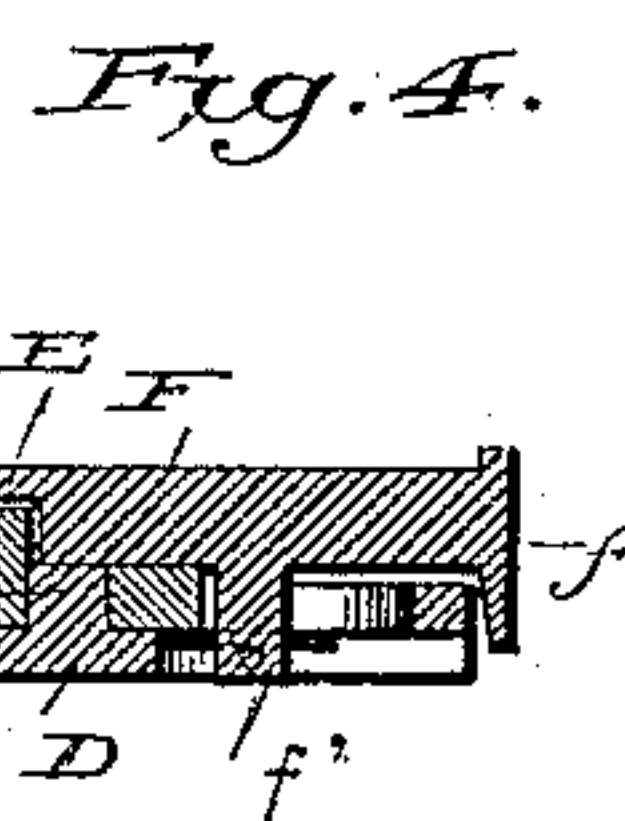
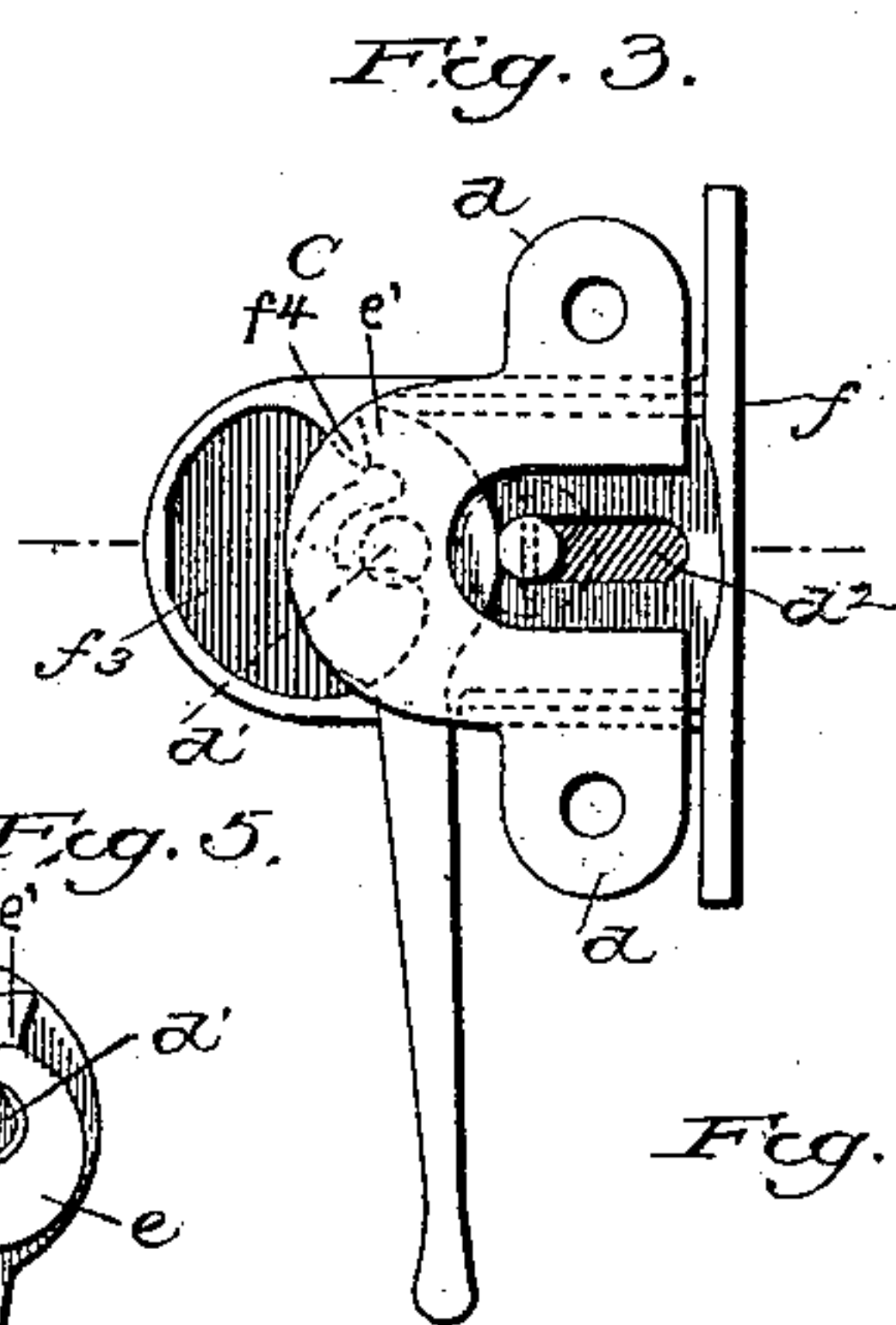
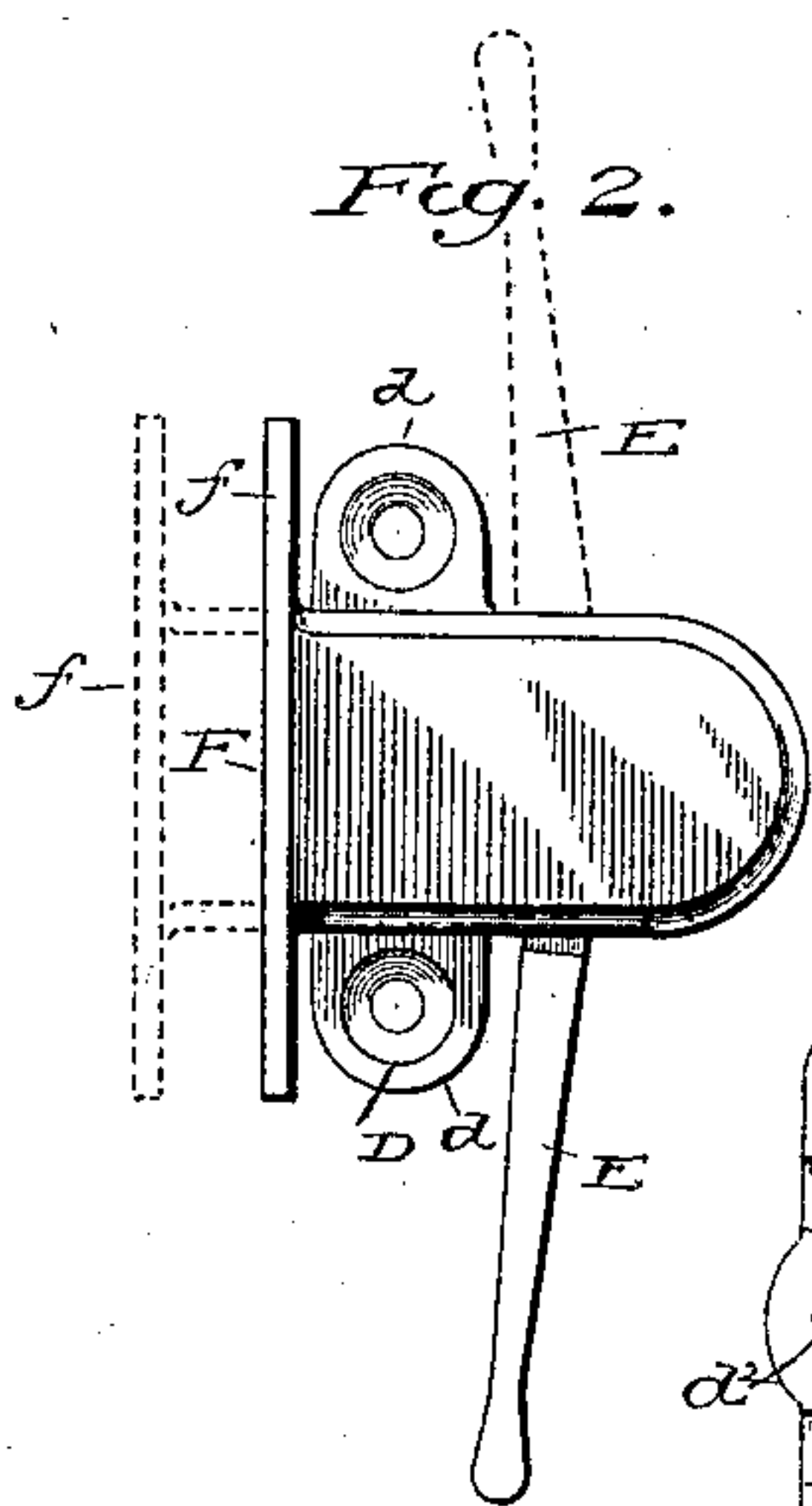
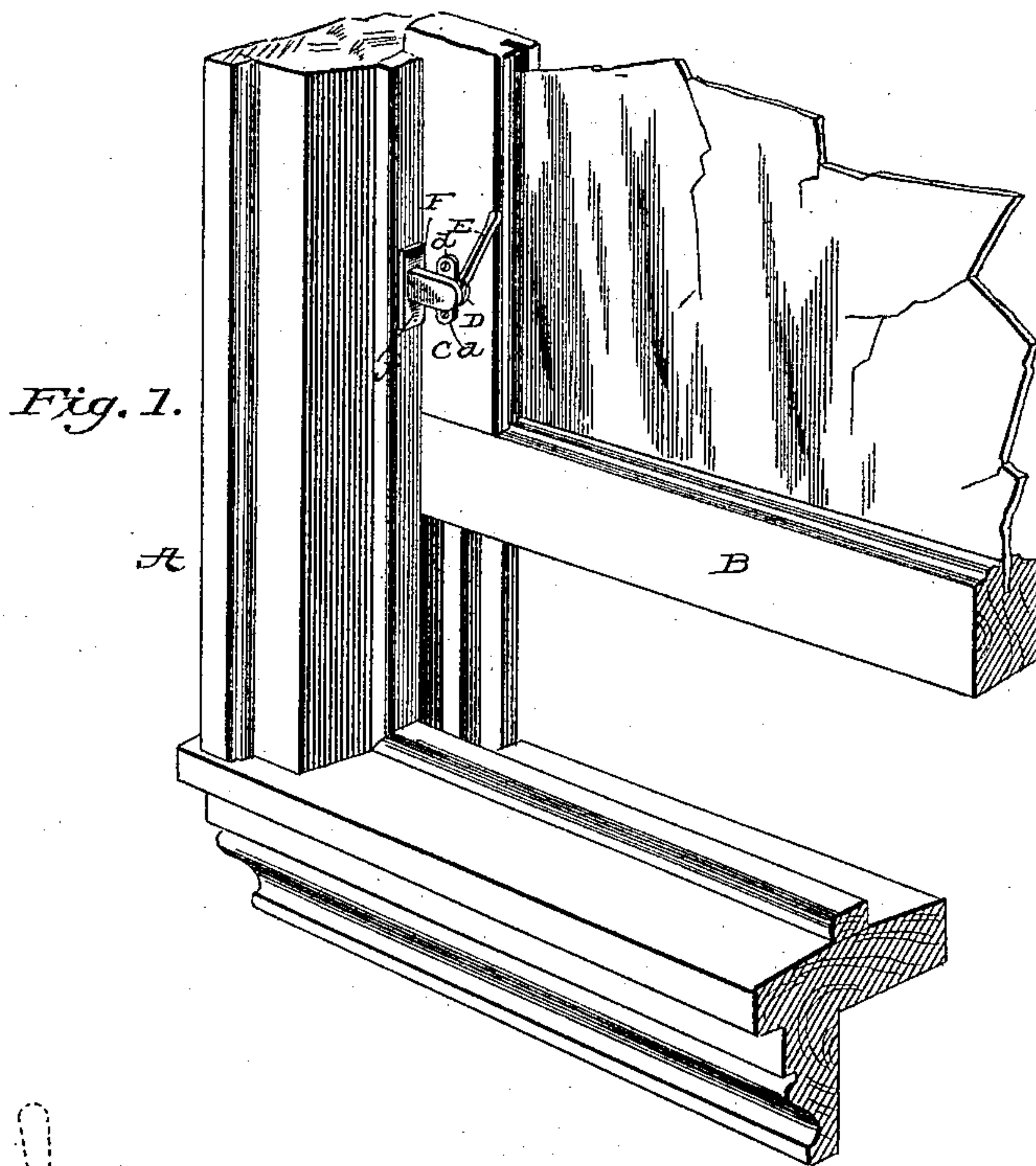


(No Model.)

E. HAUEISEN.  
SASH HOLDER.

No. 452,269.

Patented May 12, 1891.



Witnesses:  
N. H. Mortimer,  
J. J. Moore,

Inventor:  
Edward Haueisen,  
By Davis & Co  
Atty.



# UNITED STATES PATENT OFFICE.

EDWARD HAUEISEN, OF CLEVELAND, OHIO.

## SASH-HOLDER.

SPECIFICATION forming part of Letters Patent No. 452,269, dated May 12, 1891.

Application filed May 19, 1890. Serial No. 352,360. (No model.)

*To all whom it may concern:*

Be it known that I, EDWARD HAUEISEN, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new, useful, and valuable Improvement in Sash-Holders, of which the following is a full, clear, and exact description.

My invention relates to improvements in sash-holders; and the object of my invention is the provision of a simple, durable, and inexpensive device of this character which will be easy of operation and which will retain or secure the sash at any desired place in the frame or casing. To attain this object the invention consists of the novel construction of sash-holder, substantially as herein illustrated, described, and specifically defined and distinguished by the claim.

Figure 1 represents a perspective view of my device secured in position upon a window-frame. Fig. 2 represents a front elevation of the device detached. Fig. 3 represents a rear elevation thereof. Figs. 4, 5, 6, and 7 represent detail views of parts of the sash-holder.

Referring by letter to the drawings, in which similar letters denote corresponding parts, the letter A denotes the window casing or frame, B the sash therein, and C my improved sash-holder applied to the sash. The sash-holder consists of three parts—the stationary plate D, the operating lever or handle E, pivoted to the said plate, and the movable or sash-holding plate F. The stationary plate is provided with ears  $d$  for securing it in place, a stud or pivot  $d'$ , to which the handle is pivoted, the slot  $d^2$ , the grooves  $d^3$ , and the depression or recess  $d^4$ , all as clearly shown and the purpose of which will appear. The movable plate is formed with an arm  $f$  for engaging and holding the sash, a pin or stud  $f'$ , working in the slot  $d^2$  of the stationary plate, cleats or ridges  $f^2$ , fitting in the grooves  $d^3$  of the stationary plate, and a depression or recess  $f^3$  of substantially heart shape, in which fits the cam or eccentric  $e$  of the operating handle or lever E, and which engages the wall of the movable plate around the depression or recess  $f^3$  thereof, and there-

by moves the plate outward; but in bringing the movable plate inward the action is different, as only the commencement of the inward movement is produced by the cam  $e$ , while the greatest and most positive movement is produced by the lug  $e'$ , bearing against the shoulder  $f^4$ , thus by lever action forcing the movable plate inward. From this construction it will be seen that the movable part forms the casing, thus not only reducing the number of parts of the entire device to only three, but rendering the movable part, upon which most of the strain comes, of the greatest possible strength. By having the lug and the ridges of the movable plate work in a slot and grooves, respectively, formed in the stationary plate the former is prevented from wobbling either before or after engaging the sash.

When the parts are in their normal or unlocked position, the lever is down, and when the sash is held in the frame the lever is up, as shown in Fig. 2 by the full and dotted lines, the eccentric or cam of the lever not contacting with the movable plate when not in use, but engaging the movable-plate when in use.

The advantages of my device will be readily understood by all skilled in such matters, and hence need no further comment herein.

I claim as my invention—

In a sash-holder, the combination of the stationary plate having the slot and grooves, the movable plate forming the casing and having the stud working in said slot, the ridges fitting in said grooves and provided with a heart-shaped depression, and the operating lever or handle pivoted to said stationary-plate, provided with a cam which works in said depression and acts on said movable plate and having a lug adapted to engage a shoulder on said movable plate, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

EDWARD HAUEISEN.

Witnesses:

W. H. BARCH,  
JOHN HAUEISEN.