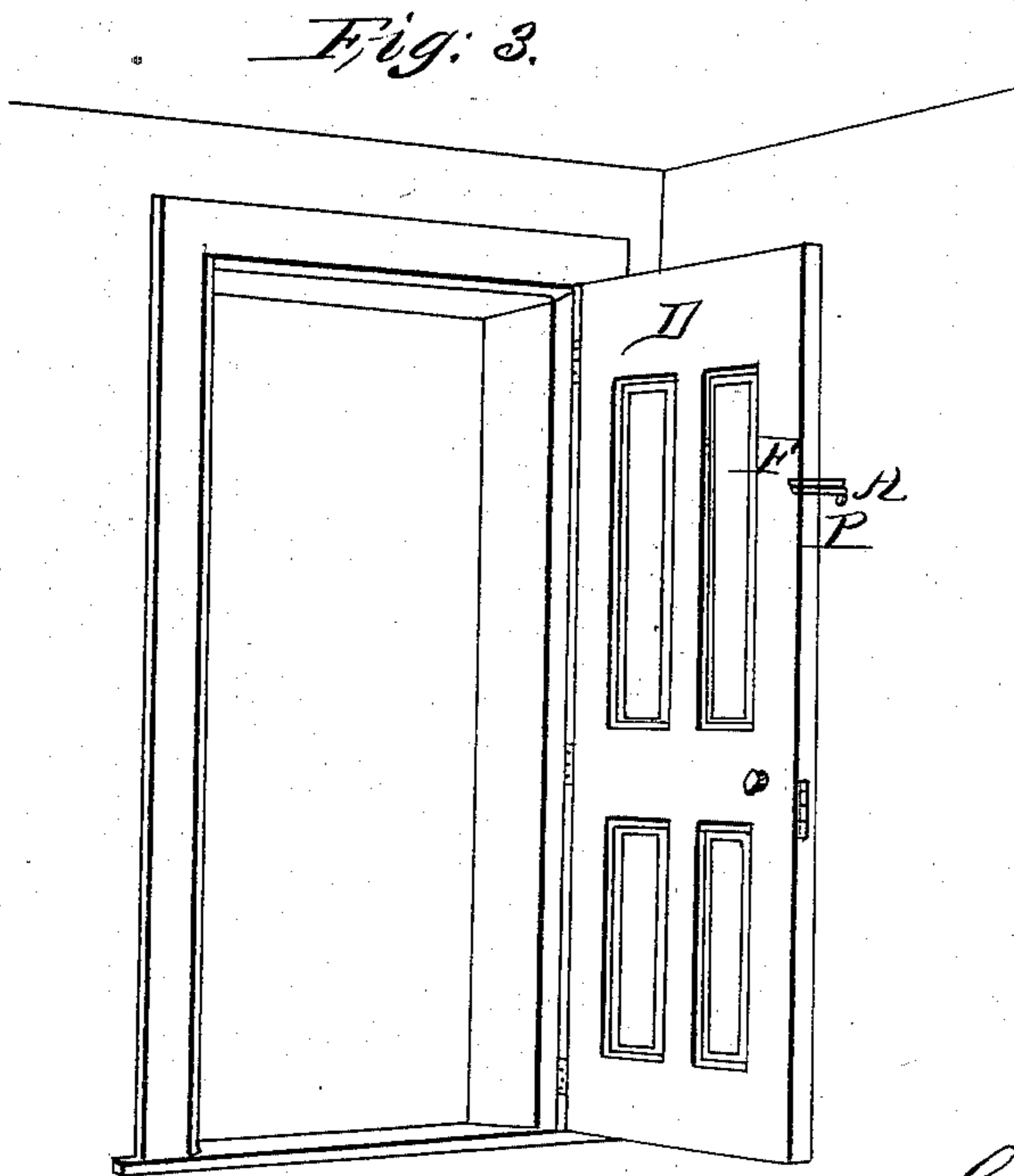
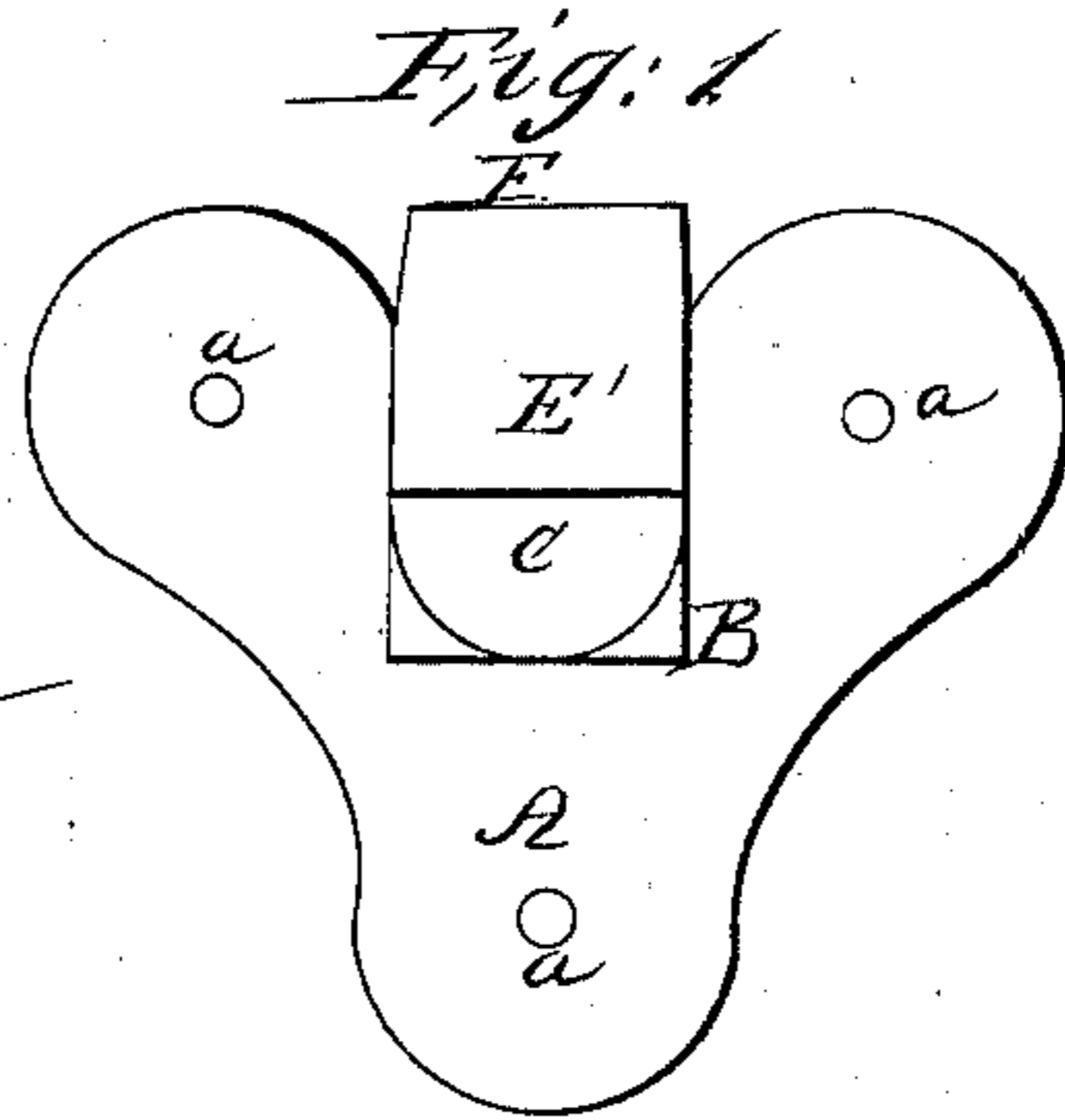
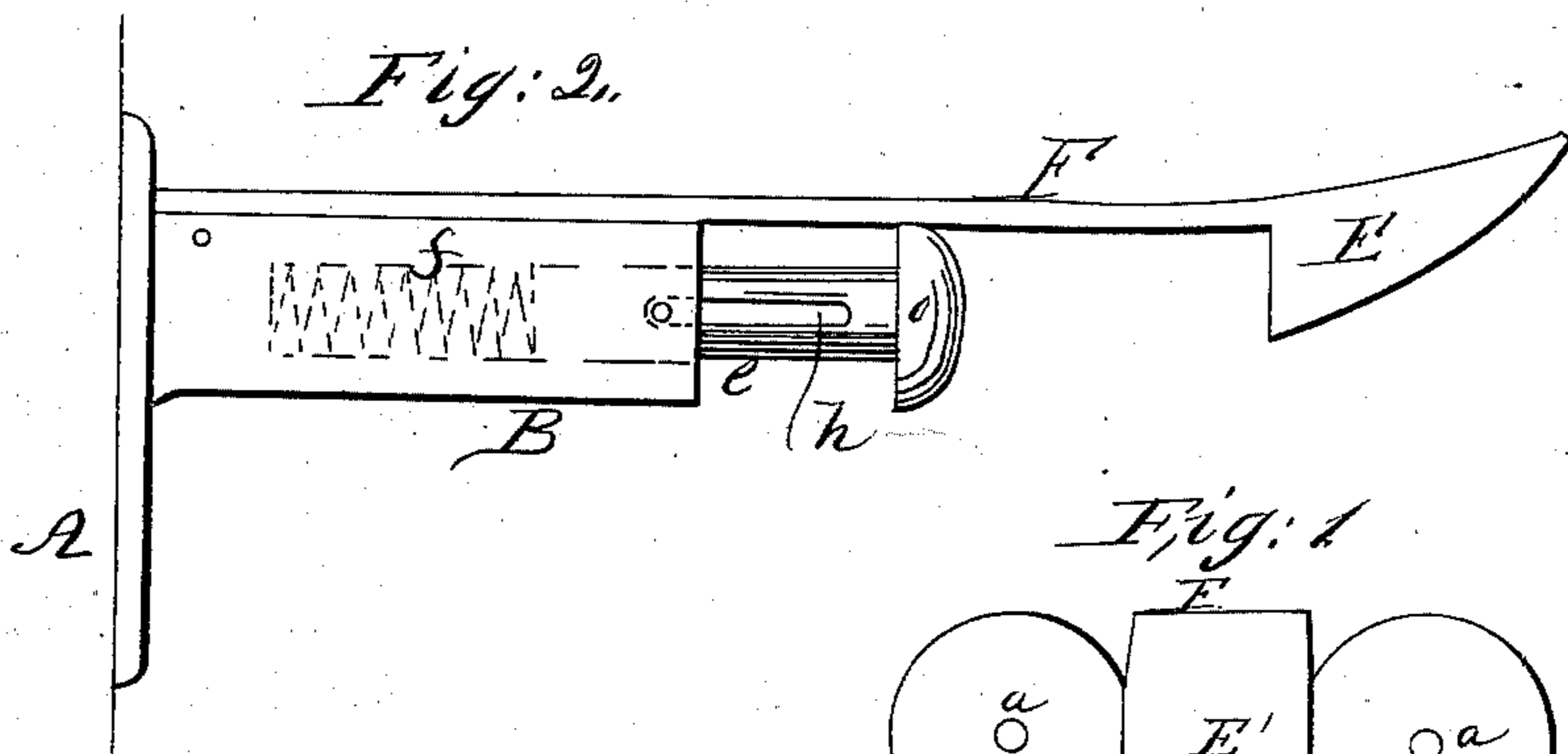


*C. L. Willis,*  
*Door Check.*

*N<sup>o</sup> 66,198.*

*Patented June 25, 1867.*



*Witnesses:*  
*J. P. Yice.*  
*E. S. Davis*

*Inventor:*  
*Cornelius L. Willis.*  
*by Attorneys*  
*J. B. Woodruff & Son*

# United States Patent Office.

CORNELIUS L. WILLIS, OF WASHINGTON, DISTRICT OF COLUMBIA.

*Letters Patent No. 66,198, dated June 25, 1867.*

## IMPROVED DOOR-STOP AND LATCH.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, CORNELIUS L. WILLIS, of the city of Washington, in the District of Columbia, have invented certain new and useful improvements in a Combined Door-Stop and Catch; and the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 shows an end view of the door-stop and catch combined.

Figure 2 shows a horizontal view of the same, the internal arrangement in dotted and red lines.

Figure 3 represents an open door held in place by the catch and stop.

The object of my invention is to prevent the noise and jar of doors when swinging open and back, and also to hold them firmly when open, so that they will not shut of their own accord, or creak on their hinges, or slam together by the action of the wind, or be agitated by motion, as is the case with the doors to state-rooms, cabins, &c., in steamboats, &c.

My invention consists in the construction of a spring or yielding stop provided with a spring-catch, to hold the door in its embrace when open, the same to be placed in any desired position for the door to open against, where it will not be in the way, and can be easily reached to liberate the door for closing.

That others may be enabled to make and use my invention, I will describe it more in detail, referring to the drawings, and to the letters of reference marked thereon.

My improved combined door-stop and catch may be made of brass or other suitable metal or material, the base or flange A being provided with screw-holes, *a a a*, for securing it in place. The projecting stem B may be of any desired length, to suit the position where it is to be placed to operate. The stem B may be made square, round, plain, or ornamental, it having a bore or cavity, *b*, in which is fitted a sliding-bolt or piston, C, which has a suitable head, *c*, for the door D to strike against. The inner end of the piston C rests on a spiral spring, *f*, placed in the cavity *b*, so that the spring takes the concussion of the door as it strikes against the head of the bolt C, which is kept from coming out by the pin *e* put through the end of the stem B working in the slot *h* in the sliding-bolt C. To one side of the stem B is secured the spring-catch or hook E, the hook being curved and inclined back, so that when the edge of the door is brought in contact with it the spring F readily yields to the pressure, allowing the edge of the door D to pass the hook E, strike the head *c* of the sliding-bolt C, when it is firmly clasped between the head of the bolt and the hook by the action of the spiral spring *f*.

It is well known to travellers on steamboats that swinging doors to state-rooms are a great annoyance, (when it is desirable to have them open,) by their constant swinging to and fro, bumping against the casing, or slamming together, caused by the jar of the engines or the motion and heaving of the vessel upon the billows; and it is also desirable in many instances in dwellings to have the doors secured wide open, and in churches and all places of public resort when congregations let out. Thus it will be seen that my invention as above described provides for effectually securing the desired object.

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

The yielding stop, as constructed, in combination with a spring-catch or hook, operating in the manner substantially as herein described for the purposes set forth.

Subscribed to on this 22d day of April, 1867.

CORNELIUS L. WILLIS.

Witnesses:

EDM. F. BROWN,

J. B. WOODRUFF.