

No. 708,919.

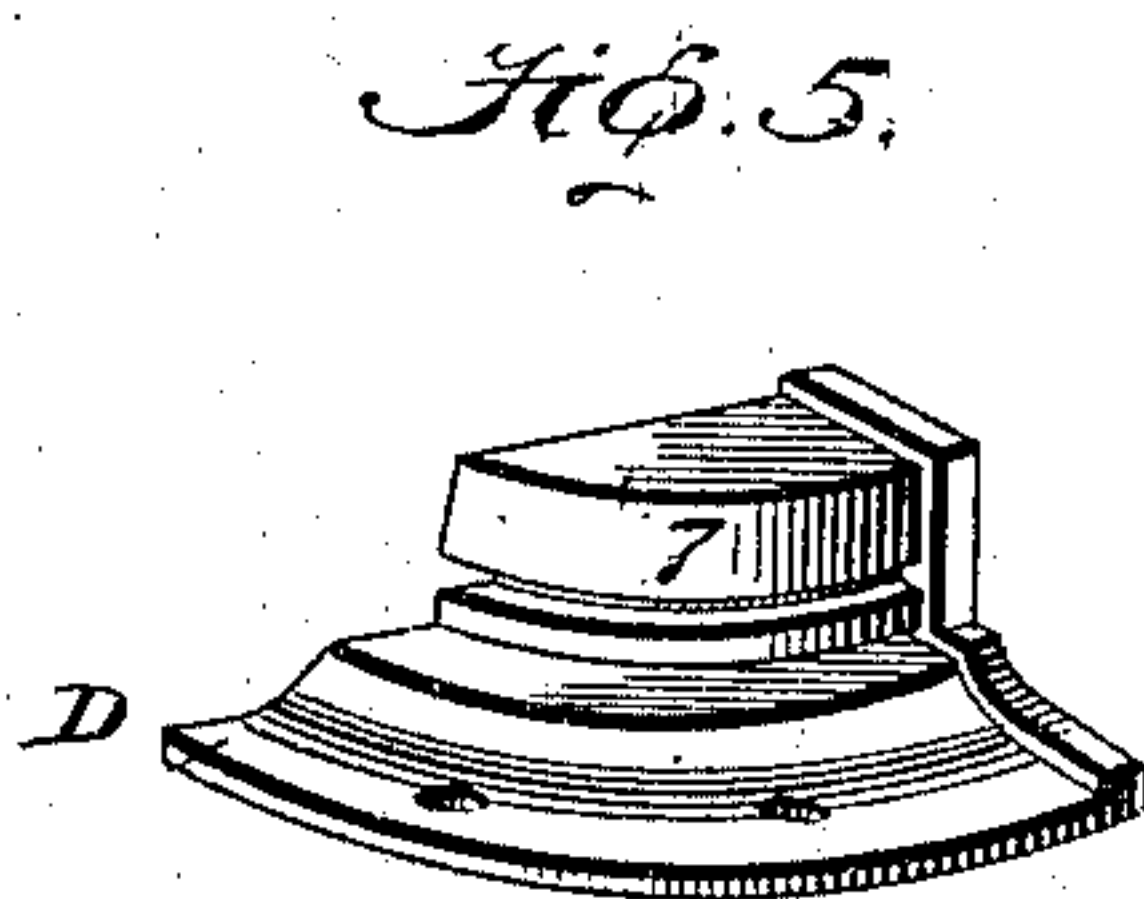
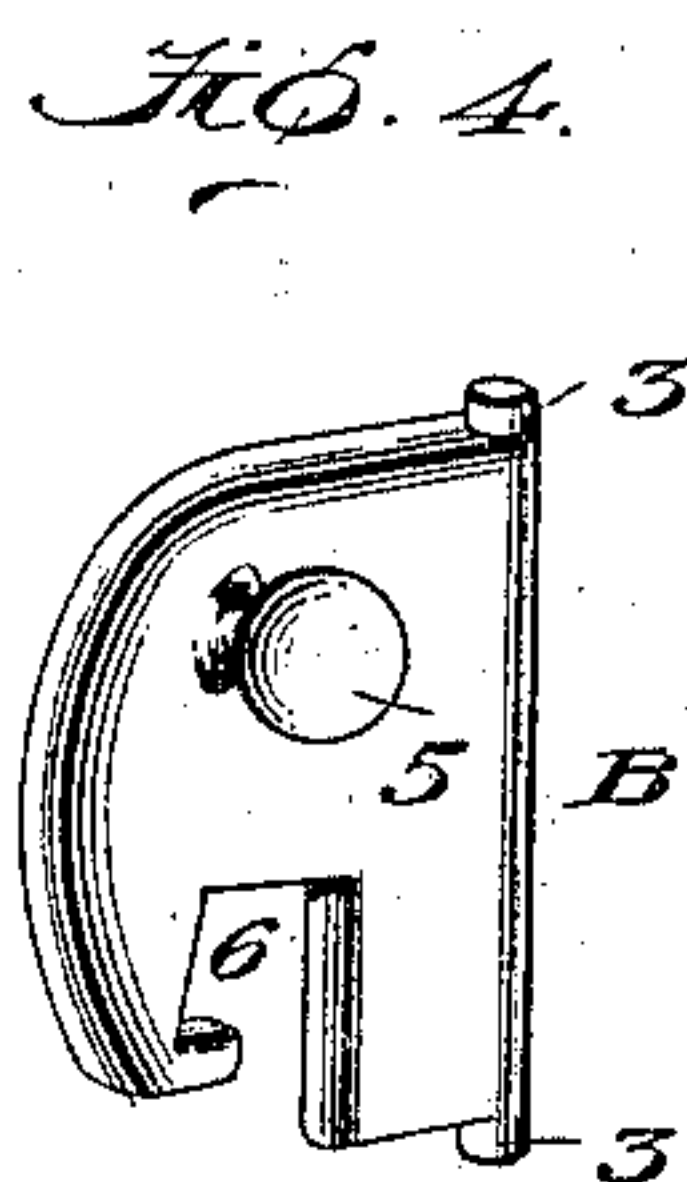
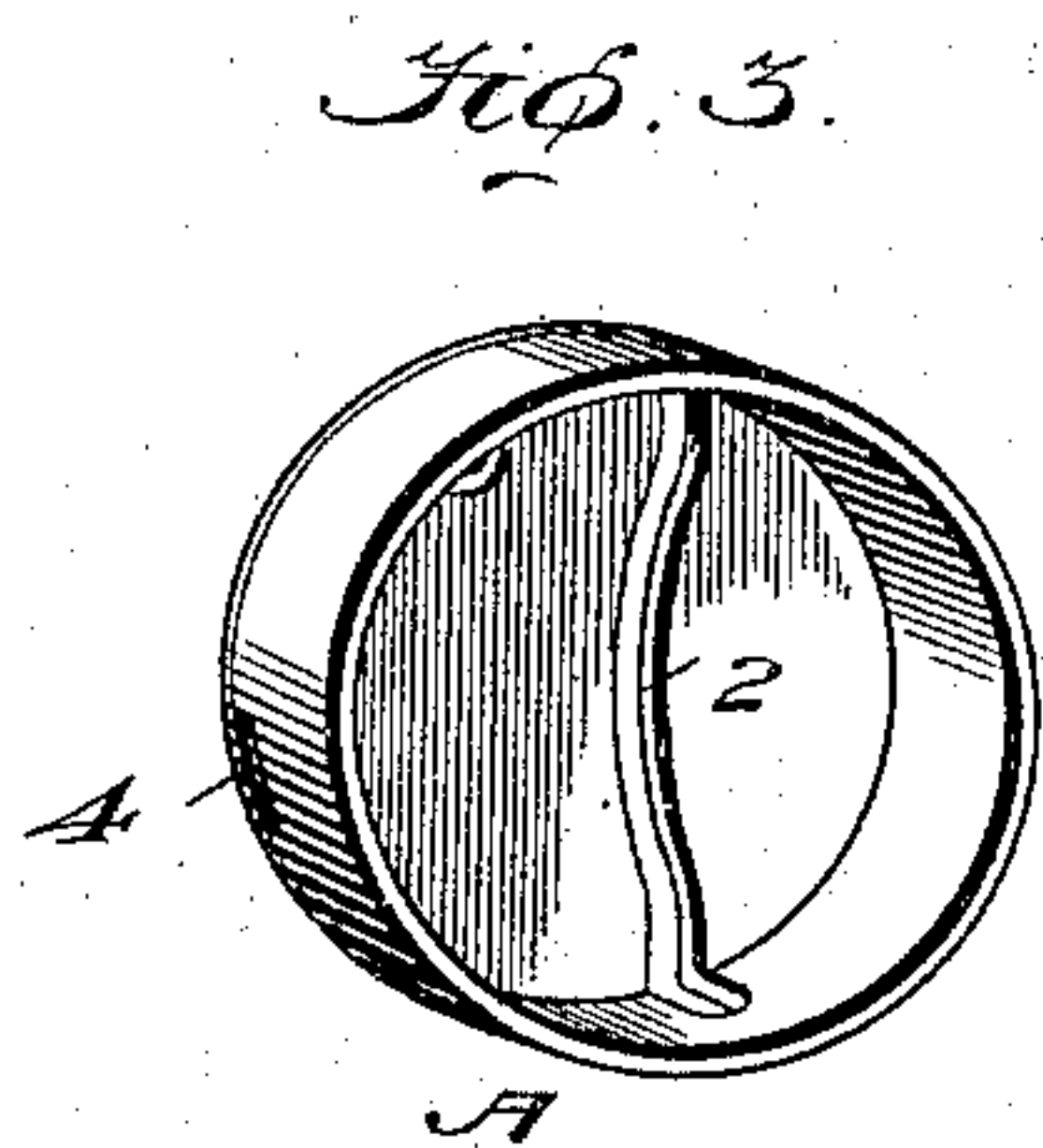
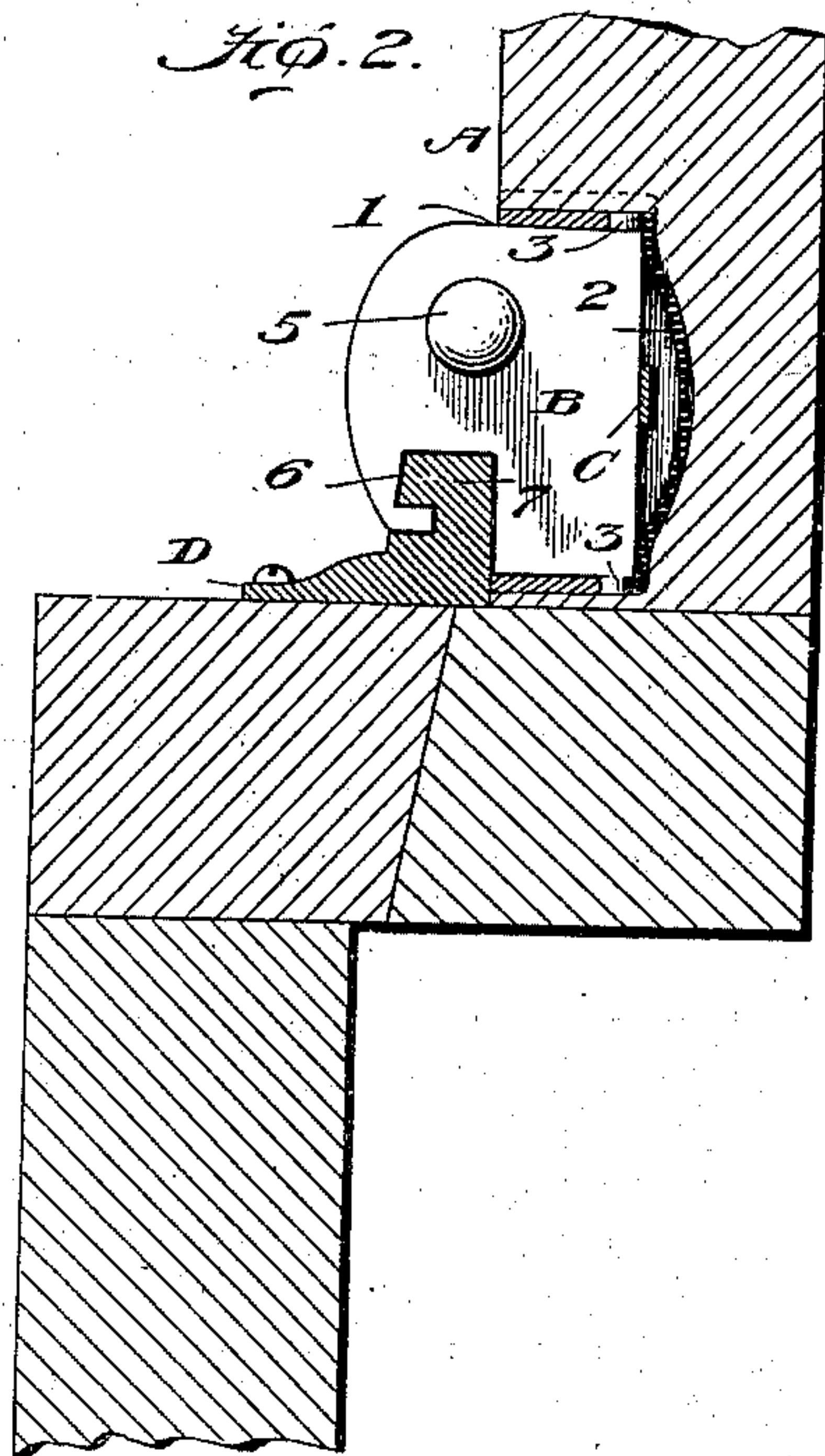
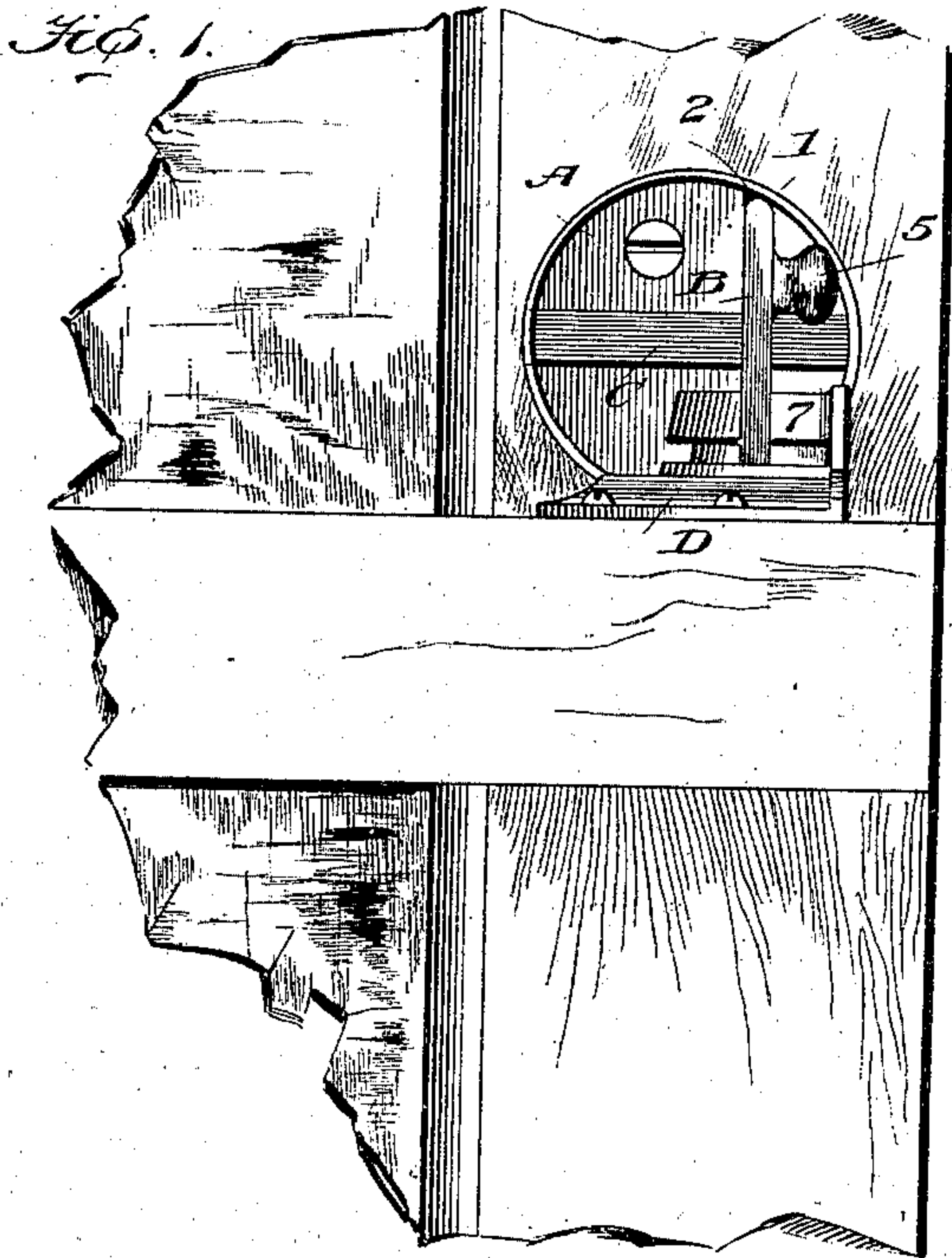
J. T. PETHICK.

Patented Sept. 9, 1902.

SASH LOCK.

(Application filed Mar. 6, 1902.)

(No Model.)



Witnesses

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# UNITED STATES PATENT OFFICE.

JOHN T. PETHICK, OF CARBONDALE, PENNSYLVANIA.

## SASH-LOCK.

SPECIFICATION forming part of Letters Patent No. 708,919, dated September 9, 1902.

Application filed March 6, 1902. Serial No. 96,980. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN T. PETHICK, a citizen of the United States, residing at Carbon-  
dale, in the county of Lackawanna and State  
5 of Pennsylvania, have invented a new and  
useful Improvement in Window-Sash Locks  
or Fasteners, of which the following is a speci-  
fication.

My invention relates to an improvement in  
10 window-sash locks or fasteners; and its ob-  
ject is, primarily, of course, to provide an  
effective fastener which cannot be tampered  
with from the outside and one at the same  
time which will draw the meeting-rails of  
15 the sashes securely together when fastened,  
whereby to prevent rattling and the ingress  
of air.

Further objects are to provide a simple and  
neat-appearing fastening which can be easily  
20 and quickly applied and will occupy as little  
space as possible and which is held in place  
largely by the position it occupies in the sash  
without being entirely dependent upon the  
screws or screw which holds it in place, as is  
25 usually the case with other fasteners.

With the foregoing objects in view my in-  
vention consists in a cup adapted to enter a  
hole or socket in one of the vertical rails of  
the upper window-sash in connection with a  
30 pivoted catch which swings into and out of  
the cup and when in the cup is below the  
outersurface of the rail, so that it is protected  
and guarded, and a plate or block secured on  
the meeting-rail of the lower sash, with which  
35 the pivoted catch engages.

In the accompanying drawings, Figure 1 is  
a view of a portion of two window-sashes,  
showing my improved fastener or lock in po-  
sition therein. Fig. 2 is a vertical section  
40 through the sashes and fastener. Fig. 3 is a  
detached view of the cup, and Fig. 4 is a  
similar view of the catch. Fig. 5 is a de-  
tached view of the plate or block on the lower  
sash.

45 The lock or fastener consists of four parts,  
which will now be described.

A is a cup which may be variously formed,  
but preferably cylindrical, and adapted to fit  
in a correspondingly-shaped hole 1, bored  
50 into the vertical rail of the upper sash, and  
sunk into the latter just so its outer edge is

flush with the surface of the vertical rail. In  
the bottom of the cup and extending into the  
opposite sides a vertical slot 2 is formed for  
the reception of the pivoted catch B, which 55  
latter constitutes the second element of the  
invention. This catch is provided at oppo-  
site ends with bearings 3 3, which turn or  
rock in the portions of the slot 2 in the flange  
of the cup, where they are held by the spring 60  
C, which is the third element of the inven-  
tion. The function of the spring is not only  
to hold the catch in place, but also to retain  
it in either of its extreme positions by engag-  
ing the angular inner edge of the catch. The 65  
spring rests upon the bottom of the cup and  
may be inserted or slid in position through a  
slot 4. The catch is capable of swinging  
ninety degrees. When swung inward, it is  
completely housed by the cup and retained 70  
in that position by the spring, and it is out  
of the way or path of the meeting-rail of the  
other sash. When swung outward in the po-  
sition of fastening or locking, the wall of the  
side or flange of the cup forms a stop in one 75  
direction and the spring prevents its acci-  
dental inward movement. The catch is pref-  
erably provided with a knob 5, by which it is  
manipulated. At its lower end it has a notch  
6, the purpose of which will be described 80  
hereinafter.

D indicates a plate or block placed upon  
the upper surface of the meeting-rail of the  
lower sash. This is provided with a cam-lug  
7, which is received in the notch 6 of the 85  
catch, and by its cam formation the catch  
draws the meeting-rails of the sash securely  
together as it is swung outward. As the ver-  
tical rail of sashes always extend a little back  
from the edge of the meeting-rail it is possi- 90  
ble to place this plate or block so that it over-  
laps this portion or projects over to the sur-  
face of the vertical rail, thus guarding against  
the possibility of operating the catch or fas-  
tener from the outside. 95

One or two of these fastenings may be used  
on a window, as desired, and when used the  
fastener or lock constitutes an effectual se-  
curing device which cannot be operated from  
the outside and which at the same time will 100  
prevent rattling of the windows or air from  
passing between the meeting-rails. At the



same time the device is simple and can be easily applied to any window in use without the exercise of great mechanical skill.

Various slight changes might be resorted to in the form and arrangement of the several elements of my invention without departure from the spirit of the invention, and hence I wish it understood that I do not limit myself to the precise details shown and described; but,

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

1. The combination with a plate or block having a lug thereon, and adapted to be secured on the meeting-rail of the lower sash of a window, of a cup having a vertical slot in its bottom and extending into its sides, a catch having bearings which turn or rock in the ends of said slot, said catch having a notch to receive the lug on the plate or block on the other sash, and a spring for retaining the catch in one of two extreme positions.

2. The combination with a plate or block having a lug thereon, and adapted to be se-

cured on the meeting-rail of the lower sash of a window, of a cup having a vertical slot in its bottom and extending into its sides, a catch having bearings which turn or rock in the ends of said slot, said catch having a notch to receive the lug on the plate or block on the other sash, a spring for retaining the catch in one of two extreme positions, the position of the catch in the slot being such that the walls of the side or flange of the cup form a stop in one direction for the catch.

3. The combination with a cup having a round flange or casing, of a catch pivoted therein and adapted to be housed in the cup when closed, said catch pivoted at one side of the cup-center and the flange or casing limiting its movement when swung open or outward.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JOHN T. PETHICK.

Witnesses:

JOHN F. REYNOLDS,  
J. A. GARDNER.