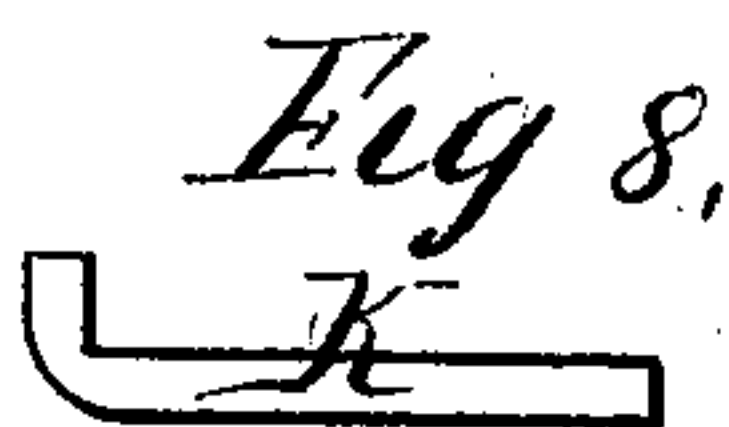
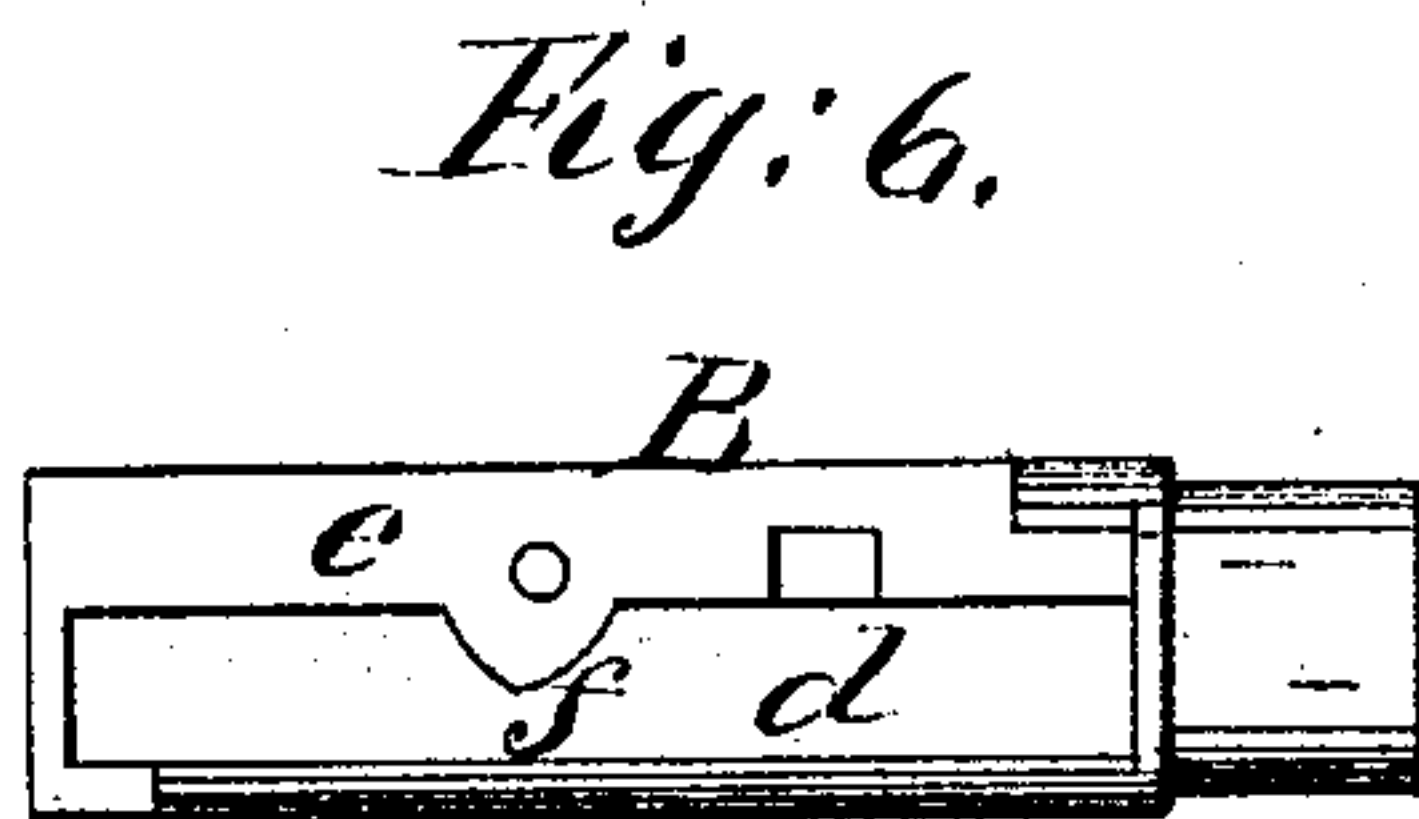
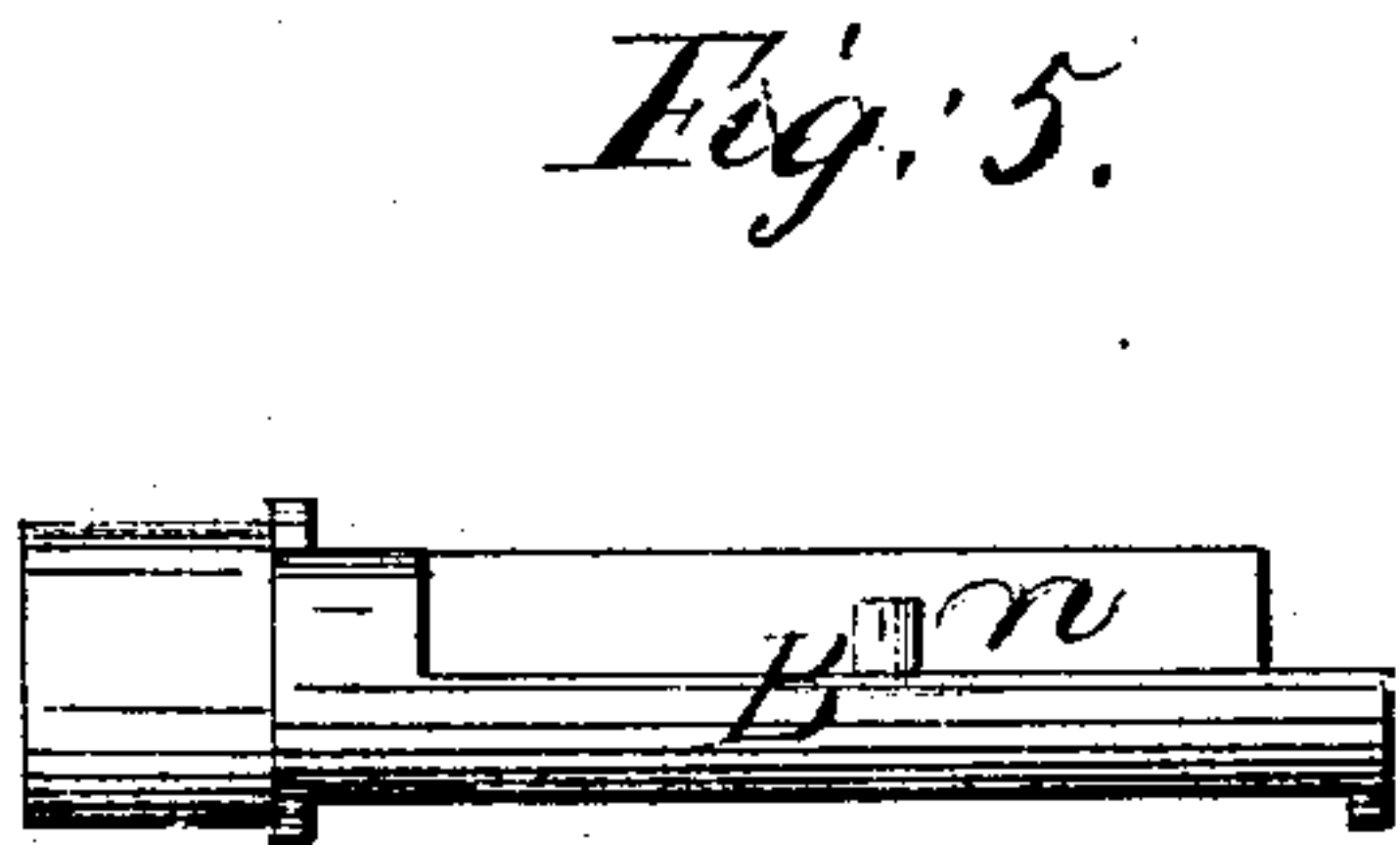
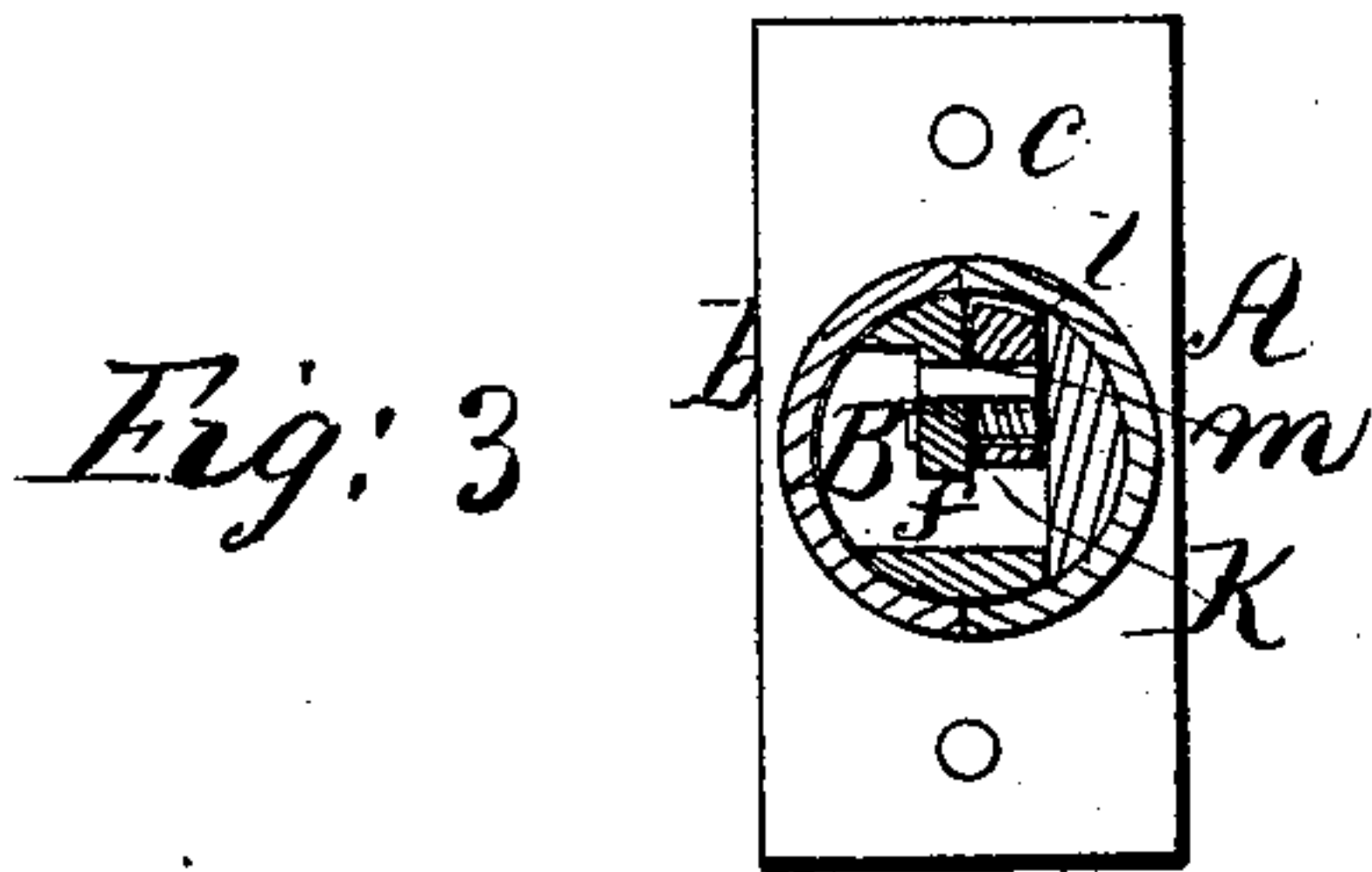
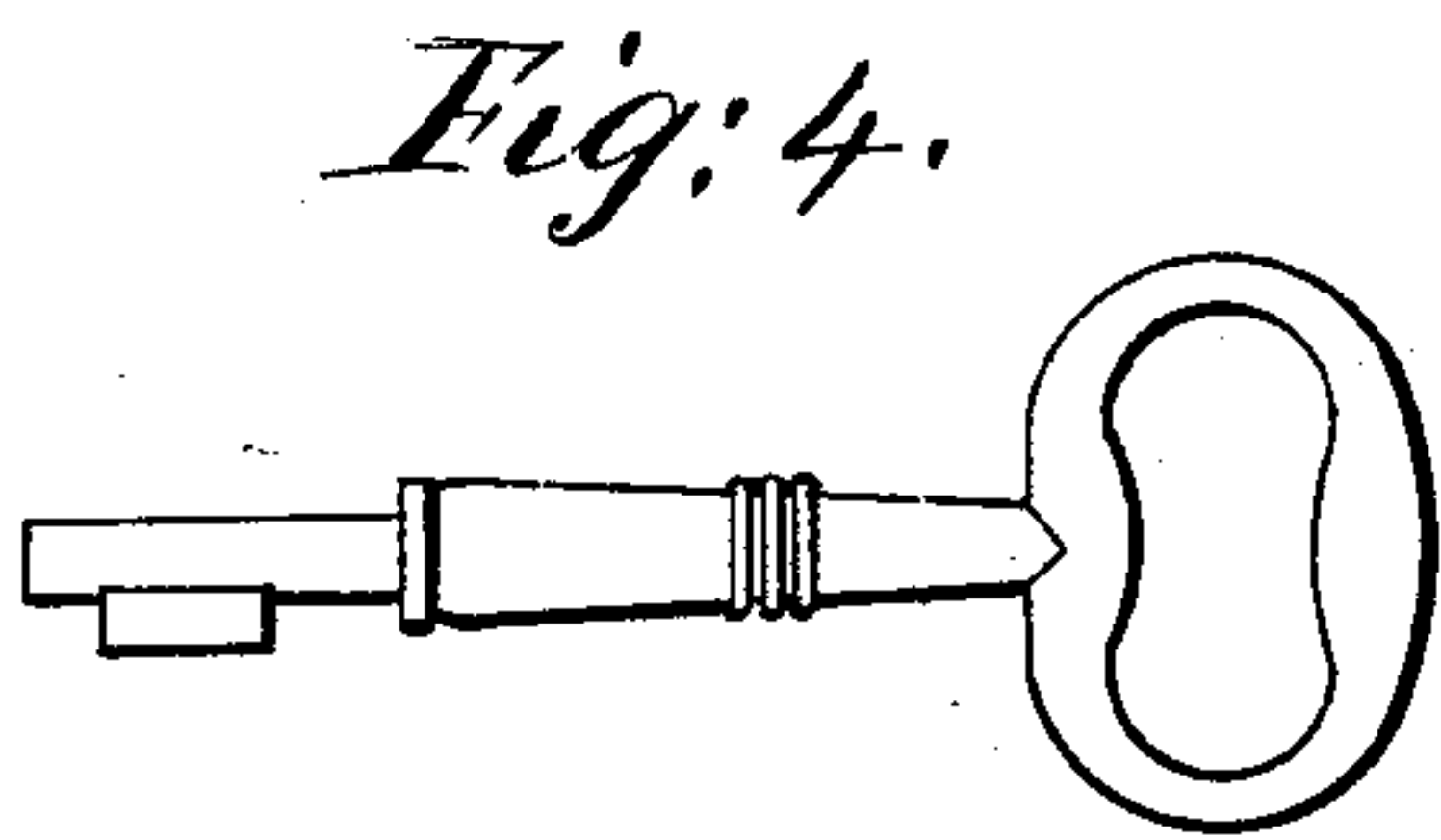
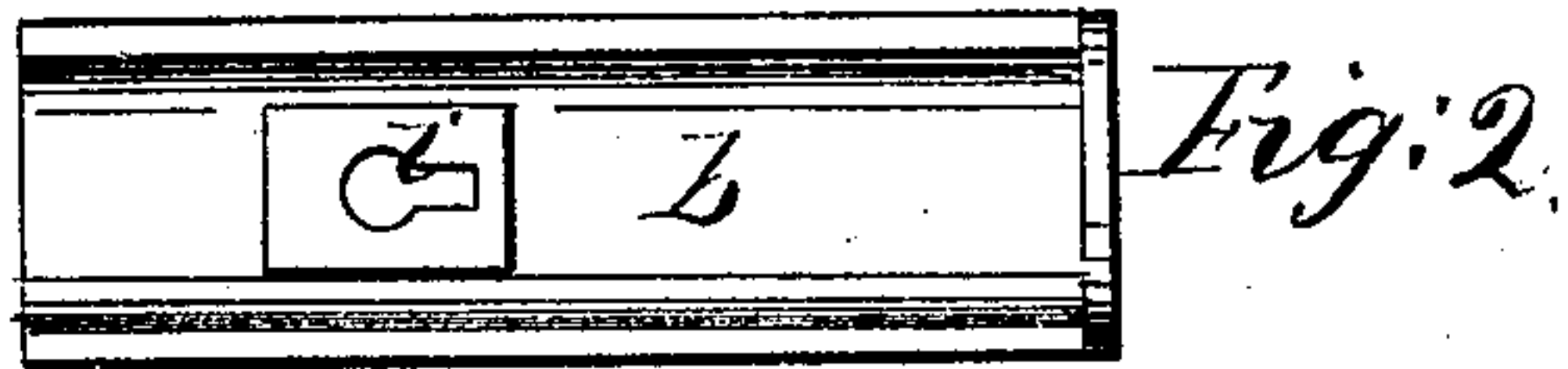
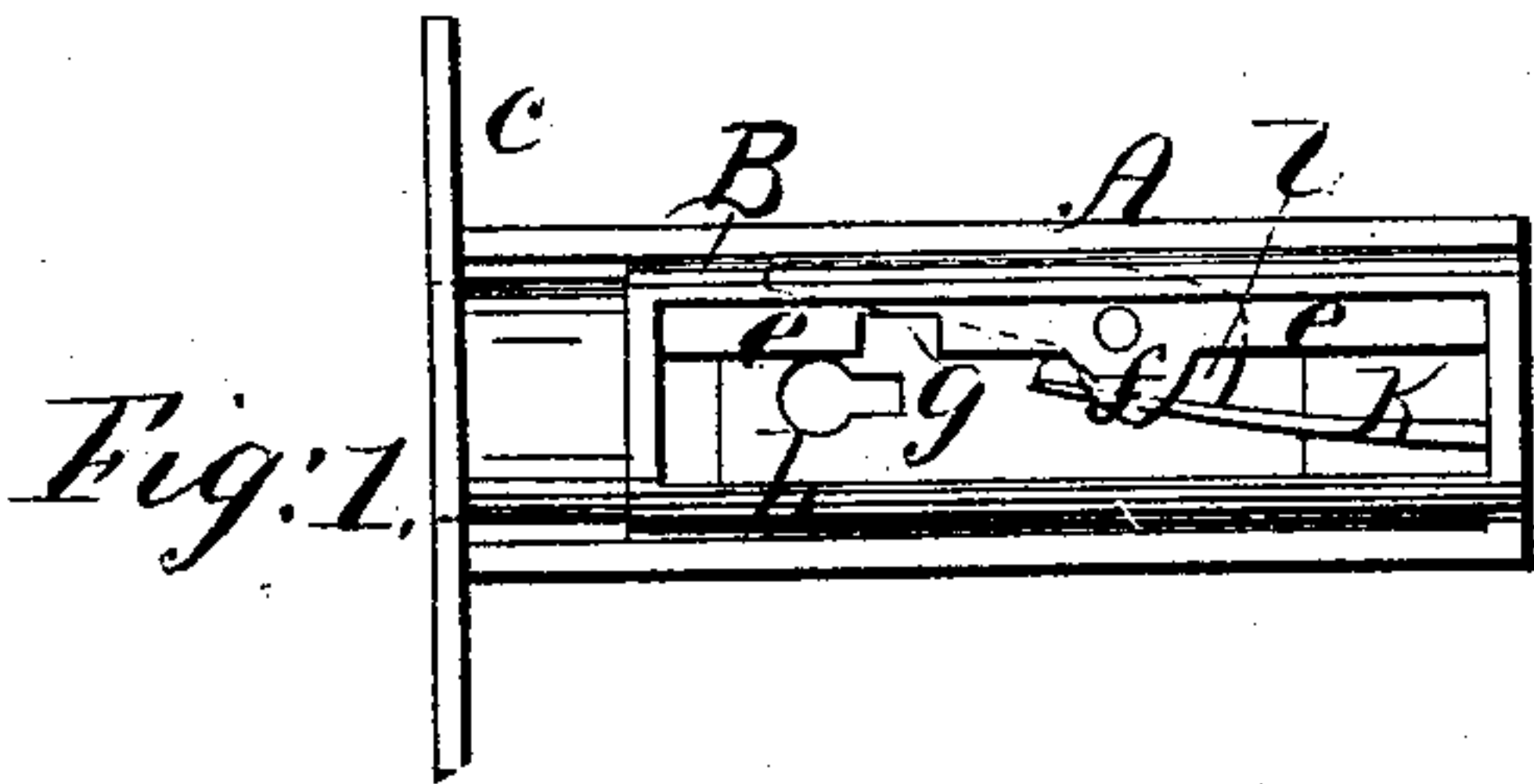


M.B. Foote,

Door Lock.

N^o 84,484.

Patented Dec. 1, 1868.



Witnesses;
S. N. Piper
J. R. Snow

Inventor;
M. B. Foote

by his attorney
R. H. Cady

United States Patent Office.

MONROE B. FOOTE, OF NORTHAMPTON, ASSIGNOR TO HIMSELF, WILLIAM M. GAY-LORD, AND E. N. FOOTE, OF NEW ENGLAND VILLAGE, MASSACHUSETTS.

Letters Patent No. 84,484, dated December 1, 1868.

IMPROVEMENT IN DOOR-LOCKS.

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

To all persons to whom these presents may come:

Be it known that I, MONROE B. FOOTE, of Northampton, in the county of Hampshire, and State of Massachusetts, have invented a new and useful Improvement in Locks for Doors; and I do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 exhibits a view of my improved lock as it appears with the cap of its case removed from the rest of the case.

Figure 2 is an inner-side view of such cap.

Figure 3 is a transverse section of the lock.

Figure 4 is a side view of its key.

The body A of the case is cylindrical, the cap shown in figs. 2 and 3, at *b*, constituting part of such body. This cylindrical body projects from a plate, *c*, which, when the lock is let into a door, is to be fastened to the door by screws.

The case contains a slotted bolt, B, it having a rectangular slot made through it, as shown at *d*. Projecting down from the upper side of the slot is a rib, *e*, provided with a triangular-shaped stop, *f*, and also with a notch, *g*, the two being formed and arranged in manner as represented.

The key-holes of the case are shown at *h i*.

Figure 5 exhibits a top view, and

Figure 6, a rear elevation of the bolt.

Figure 7 is a rear end view of it.

A spring-catch, *k*, formed as shown in top view in Figure 8, projects from the rear end of the lock-case, and bears against the stop *f*, and serves, with such stop, to hold the bolt in its advanced position. They also keep the bolt, when back, from being advanced, except by the key.

A lever or tumbler, *l*, pivoted to the stop *f*, or turning vertically on a pin, *m*, projecting therefrom, has its longer arm extended over the key-holes. When the key is turned, for the purpose of throwing back the bolt, it will first bear against the longer arm of the lever, and turn the said lever on its fulcrum, so as to cause the shorter arm to bear upon and depress the spring-catch, in order that the key, while acting against the rear side of the notch of the bolt, may force back the bolt.

I claim the combination and arrangement of the lever *l* with the cam and stop *f*, the spring-catch *k*, and with the slotted bolt and its case, substantially as described.

MONROE B. FOOTE.

Witnesses:

W. S. KINGSLEY,
C. E. CLARK.