

H. C. Pein.

Latch and Lock.

N^o 91,865.

Patented Jun. 29, 1869.

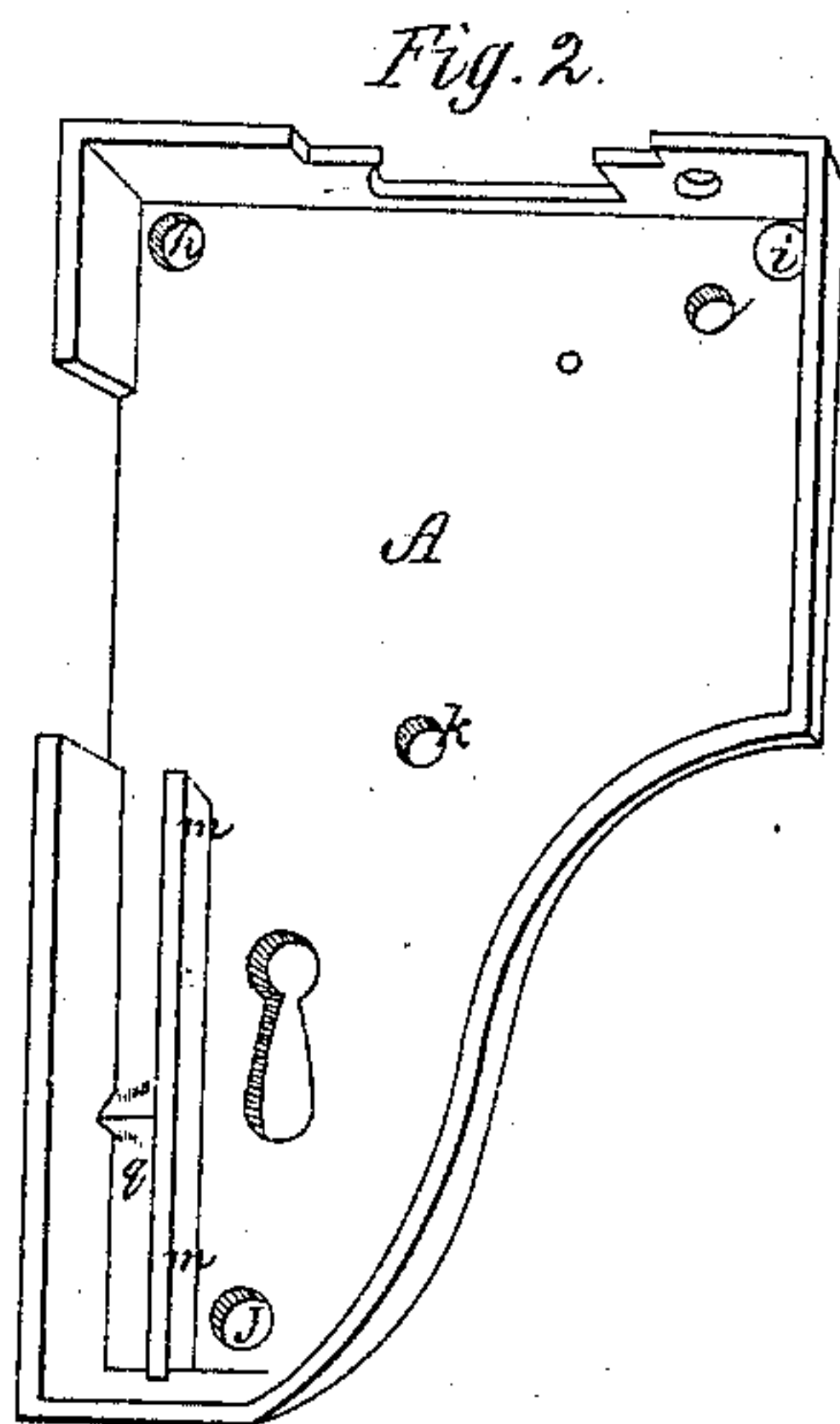
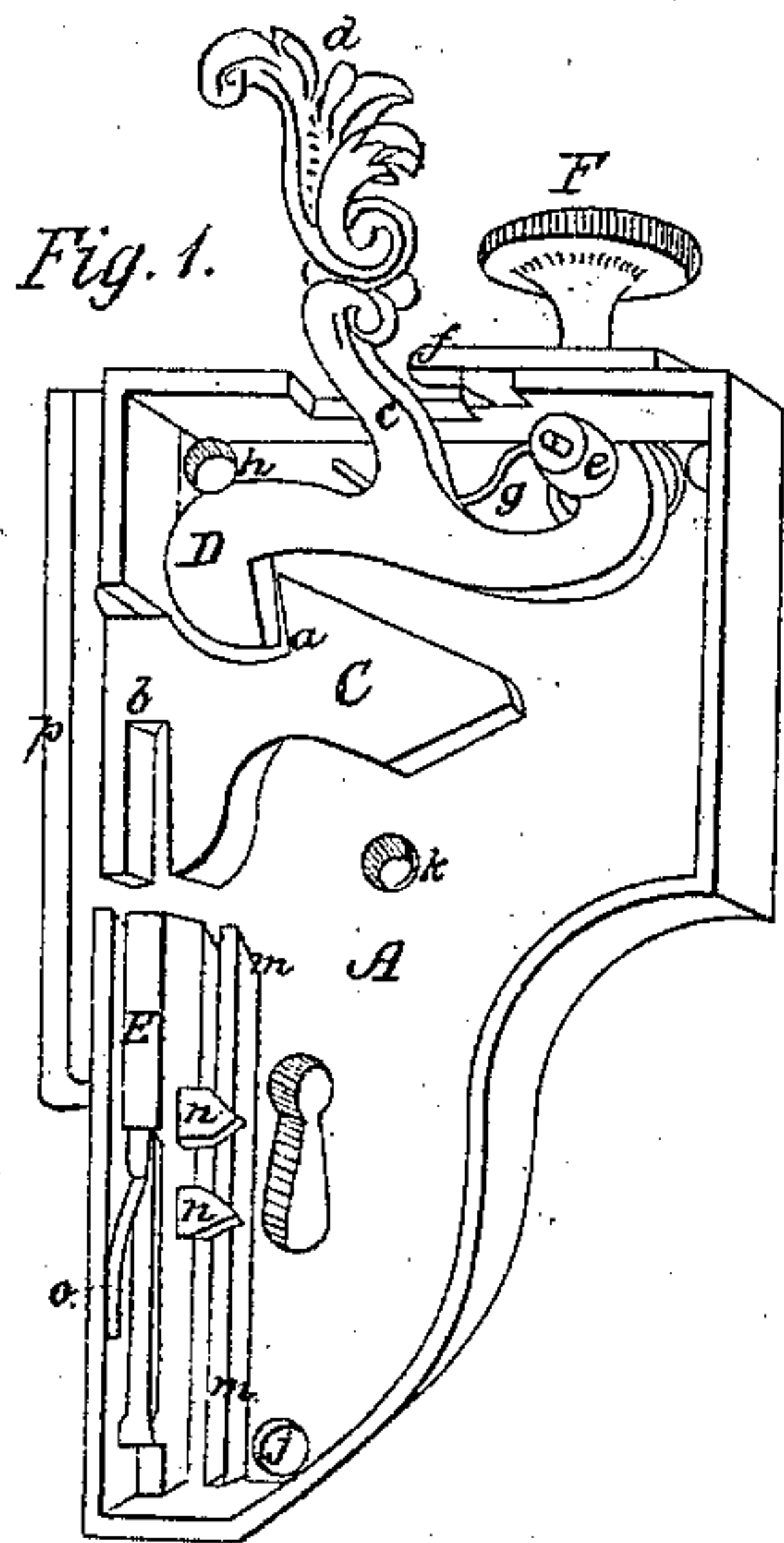


Fig. 5.

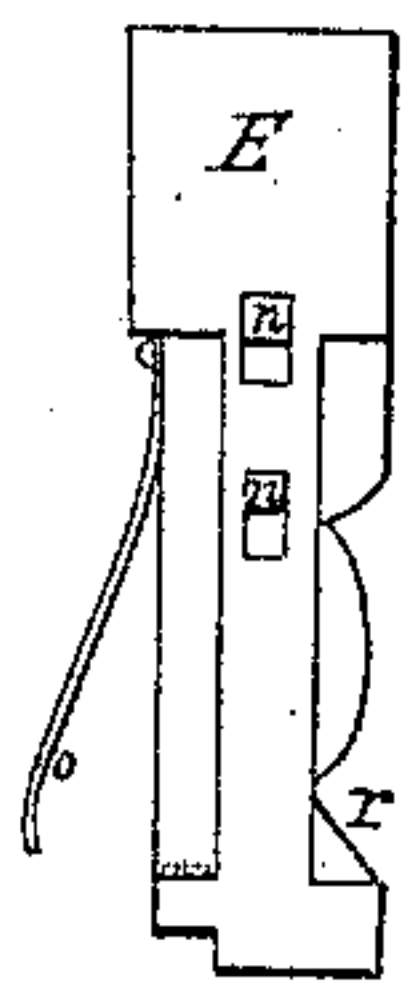


Fig. 3.

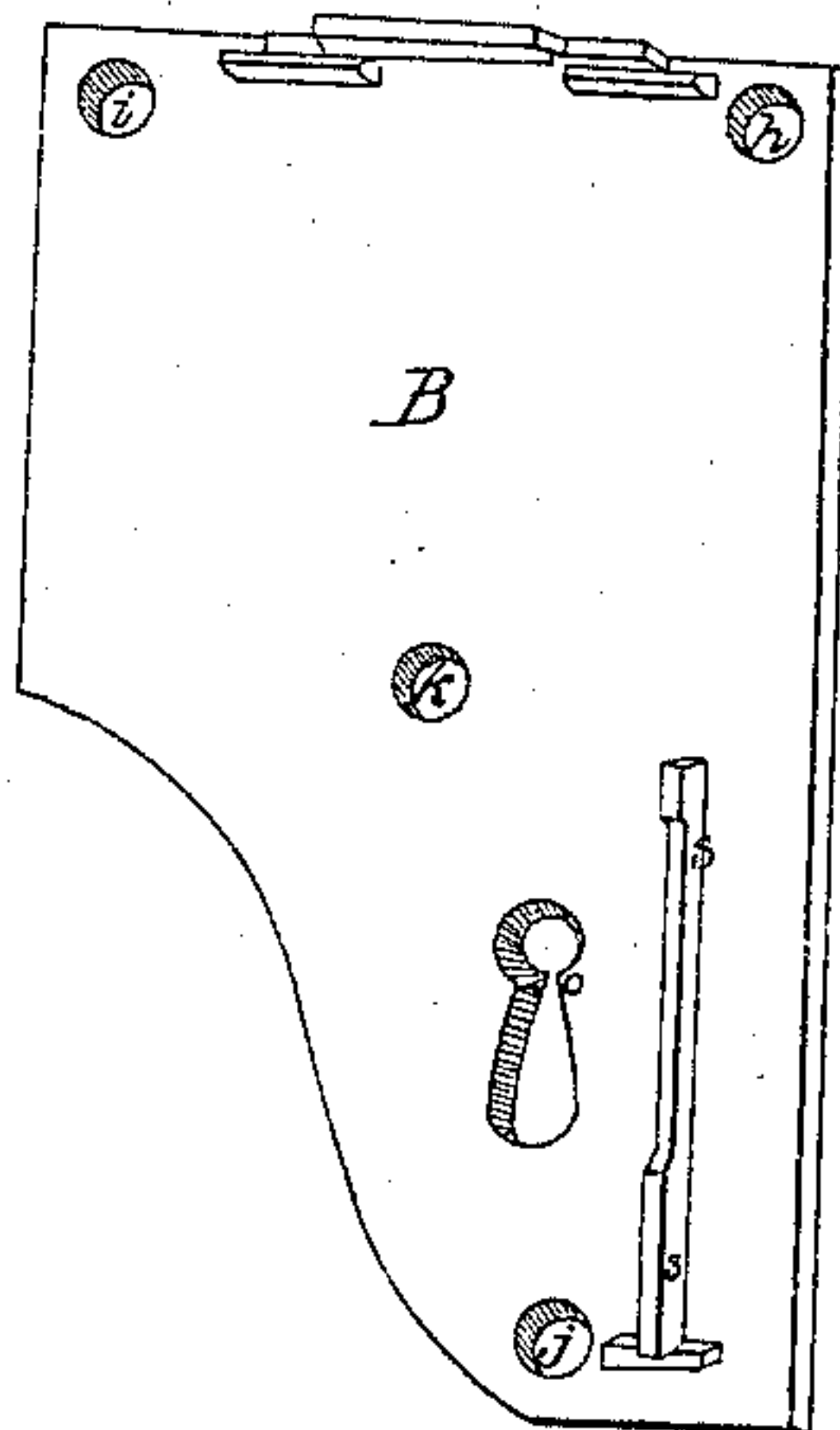
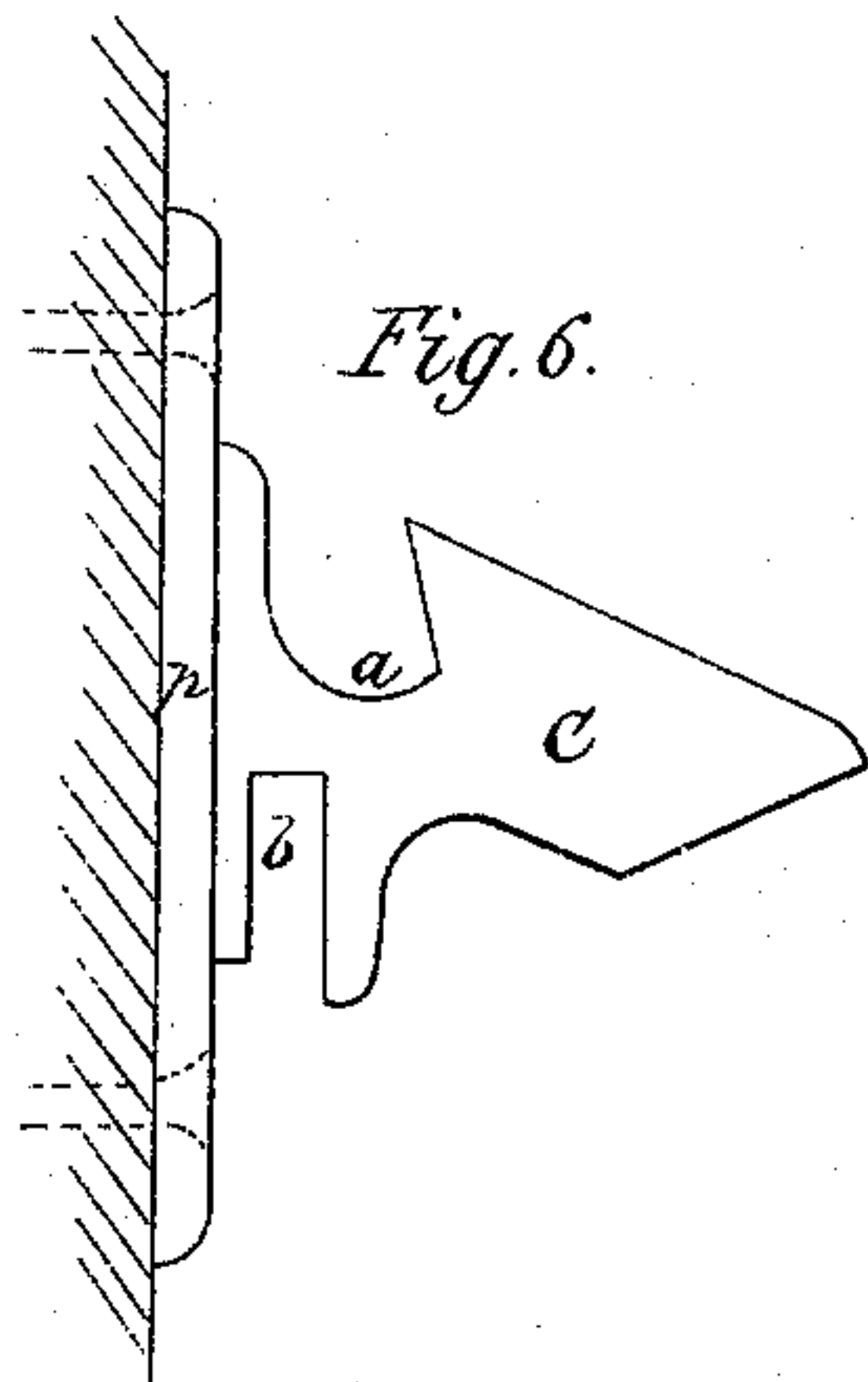


Fig. 6.



Witnesses

W. C. Ruhm and
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Inventor:

Herman G. Pein

United States Patent Office.

HERMAN G. PEIN, OF PEORIA, ILLINOIS.

Letters Patent No. 91,865, dated June 29, 1869.

IMPROVEMENT IN COMBINED LATCH AND LOCK.

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

Be it known that I, HERMAN G. PEIN, of the city and county of Peoria, in the State of Illinois, have invented a new and useful Gate-Latch and Lock; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, the same letters referring to the same parts, in which—

Figure 1 is a perspective view.

Figure 2, the "case."

Figure 3, the "cover."

Figure 4, latch.

Figure 5, vertical bolt.

Figure 6, hook.

This is a combination of latch and lock, and is designed for either a right or left-hand fastening.

A is the case, of a triangular shape, having an opening in the longest side, or edge toward the gate, for the admission of the gate-hook C.

Another opening at the top of the case, is for the passage upward of the arm *c*, and thumb-piece *d*, of the latch D.

The latter is a lever, having a hook at the end over the recess *a*, in the upper surface of the hook C.

The remote end of the latch is pivoted by projecting pins *e*, in the opposite sides of the case.

Midway between the ends of the latch is an arm, *c*, projecting through the opening in the upper surface of the case, and terminating in the thumb-piece *d*.

The button F, attached to the revolving plate *f*, prevents the arm *c* from rising when it is deemed expedient to keep the latch fastened.

A spring of wire, *g*, presses on the upper surface of the latch, and after passing once or twice round the pin *e* of the latch, is secured to the pin behind the latch. (See pin in fig. 2.)

The hook C is fastened to and projects at a right angle from the plane of the gate, and is of a proportionate size with the latch D, and other parts of the case, as shown in the drawing.

The "incline" of the hook from the point upward, is about twenty degrees.

At the summit of the incline occurs the recess *a*, for the reception of the hook of the latch.

Beneath this recess, but nearer the base of the hook C, is another recess, *b*, for the admission of the vertical bolt E, when the gate is to be locked.

This bolt is kept in place by the two guides *m s*, opposite to each other, one on the "case," the other on the "cover" B.

The bolt is provided with two dogs or lugs *n n*, on the broad side of the same, by which the bolt is operated.

A spring, *o*, retains the bolt on the angle *q*, when the gate is locked.

In fig. 5 is seen the bolt E, in profile, and at *r*, is a recess, which receives the projecting angle just mentioned, when the bolt is up in the recess *b* of the hook C.

The operation of this latch and lock is as follows:

On the entrance of the hook C into the opening in the side of the lock, the "incline" of the hook is forced under the hook of the latch D, and for temporarily fastening the gate, the button F may be turned, which prevents the arm *c* of the latch D.

The hook is further secured by means of the bolt E, rising vertically into the slot *b* of the hook, operated by means of the key and the lugs or dogs *n n*, on the side of the bolt E.

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

The combination and arrangement of the hook C, latch D, bolt E, and revolving button F, substantially in the manner and for the purpose as herein shown and set forth.

HERMAN G. PEIN.

Witnesses:

W. H. RICHMOND,
BERNARD BAILY.