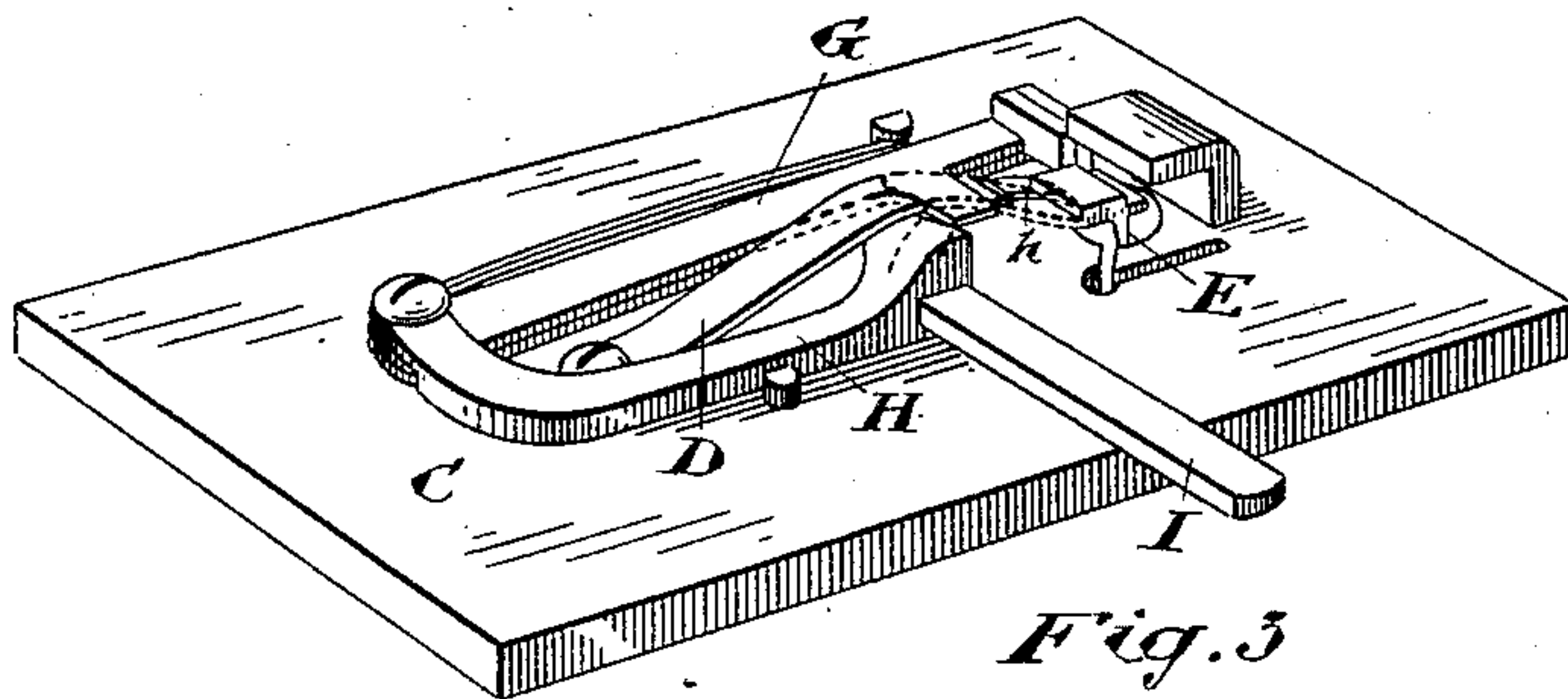
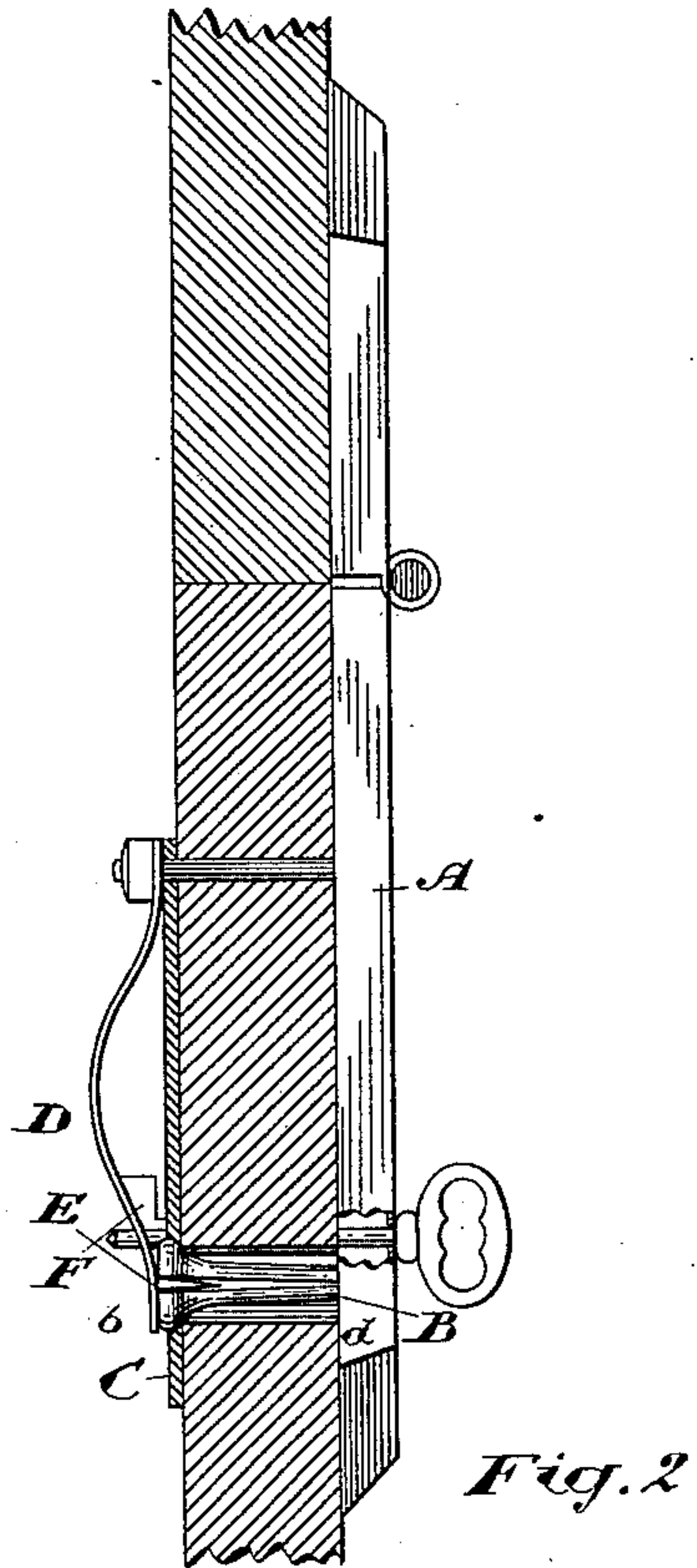
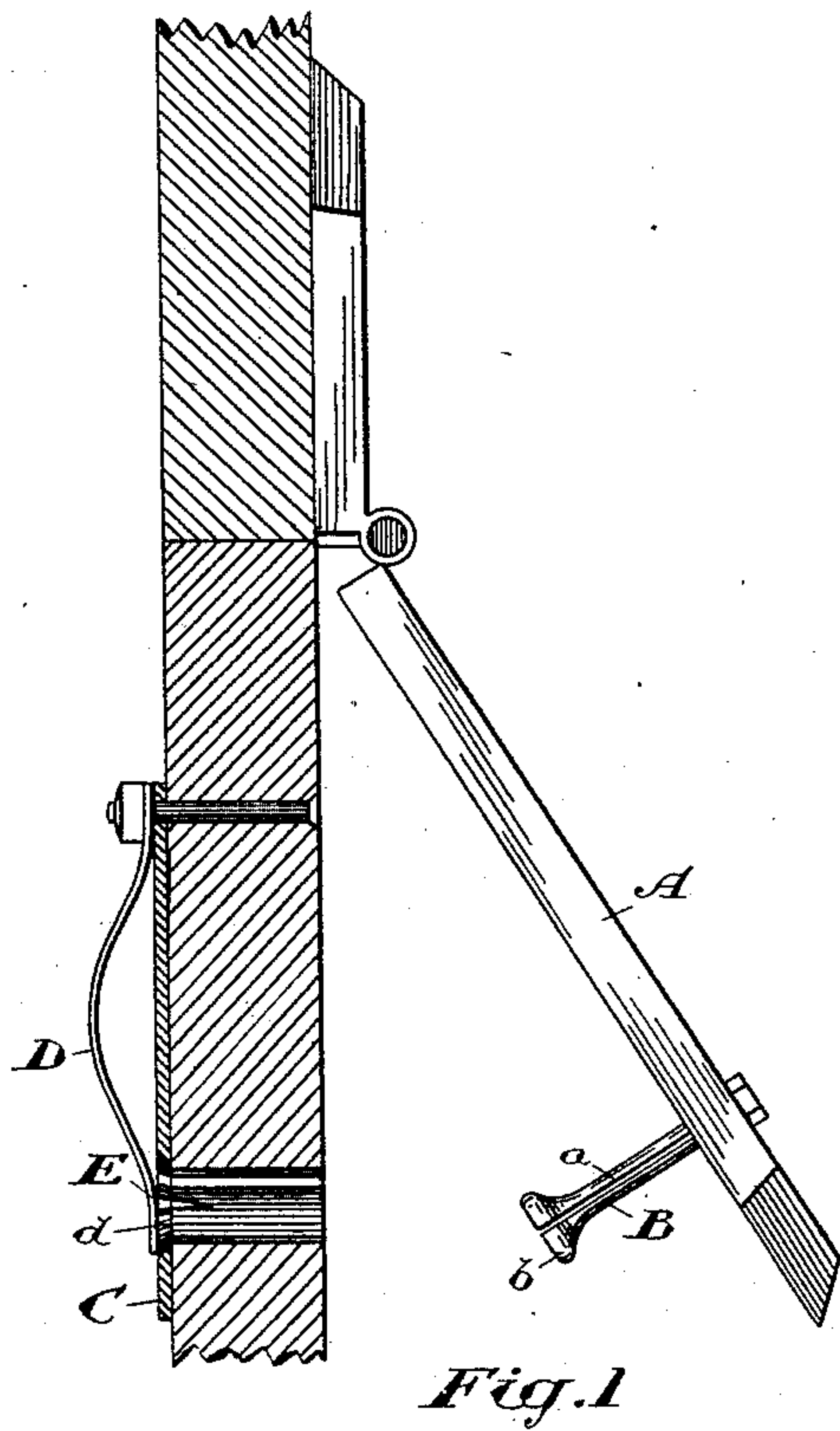


(No Model.)

C. FELTON.
LOCK.

No. 428,718.

Patented May 27, 1890.



Witnesses

J. Edw. Mayhew
J. R. C. C. C.

Inventor

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Attys

UNITED STATES PATENT OFFICE.

CLEMENT FELTON, OF TORONTO, ONTARIO, CANADA.

LOCK.

SPECIFICATION forming part of Letters Patent No. 428,718, dated May 27, 1890.

Application filed October 4, 1889. Serial No. 326,039. (No model.)

To all whom it may concern:

Be it known that I, CLEMENT FELTON, locksmith, of the city of Toronto, in the county of York, in the Province of Ontario, Canada, have invented a certain new and useful Improvement in Latch-Locks, of which the following is a specification.

The object of the invention is to design a simple latch-lock which may be readily adapted for cupboards, drawers, trunks, &c., where a quickly-operating snap-lock is desirable; and it consists, essentially, of a split pin having a head formed on it and attached to one of the parts to be locked, the head of the said pin being designed to pass through a hole made in a plate attached to the other part to be locked, a wedge fixed to a spring-plate being designed to snap into the split of the pin, so as to expand the same and prevent it being withdrawn from the hole until the wedge has been raised out of its split by the action of a key, substantially as herein-after more particularly explained.

Figure 1 is a sectional view showing my lock applied to a box, the lock being in its open position. Fig. 2 is a similar view, but showing the lock closed. Fig. 3 is a detail of my improved lock specially adapted for a cupboard, in which levers may be used.

In the drawings, like letters of reference indicate corresponding parts in the different figures; but for convenience of description I shall refer first to Figs. 1 and 2.

A is the hasp hinged to the lid of the box and having projecting from it the pin B. This pin, it will be noticed, has a slit or parting *a* made in it, and has also a head *b* formed on it. This head is substantially the same size of and is designed to fit into a hole *d*, made in the plate C.

D is a spring secured at one end to the plate C and having a wedge-shaped projection E formed on its other end, which wedge projection is designed to fit into the center of the hole *d*. When the hasp A is closed, so as to force the head of the pin B into the hole *d*, the wedge projection E enters the slit *a*, and so expands the head as to prevent it escaping from the hole until the wedge projection E is raised out of the slit *a*, when of

course the pin may be withdrawn without difficulty. The projection E is thus raised by inserting a key F, shaped so as to pass below the plate C and raise the said plate.

When my improved lock is adapted to be used in connection with levers G of an ordinary lock, I provide, in addition to these ordinary levers, a pivoted curved lever H, having a tail *h* located in the pathway of the key, so that when the key passes below the spring D it raises the said spring and simultaneously pushes the lever H below the said spring, so as to hold the said spring up and the wedge projection E, attached to it, in such a position that it will lock the pin B, should the head of the said pin be inserted through the hole *d*; but, if desired to leave it in such a position that it will act as an ordinary latch without being locked, it is merely necessary to push the lever H farther under the spring D. When it is desired to arrange it so that it will lock, the lever H is pushed back by pressure on the finger I, which projects from it, as indicated, when the spring D once more resumes its position ready to receive and lock the pin B.

There are of course various uses for which my improved lock may be adapted; but it is not necessary to enumerate them in this specification.

What I claim as my invention is—

1. A pin B, having a split *a* and a head *b*, in combination with a wedge projection E, connected to a spring D and arranged to operate in conjunction with a plate C, having a hole *d* made in it, substantially as and for the purpose specified.

2. A pin B, having a split *a* and a head *b*, in combination with a wedge projection E, connected to a spring D and arranged to operate in conjunction with a plate C, having a hole *d* made in it, and a curved lever H, having a tail *h* and a finger I formed on it, substantially as and for the purpose specified.

Toronto, August 6, 1889.

CLEMENT FELTON.

In presence of—

CHARLES C. BALDWIN,
W. G. McMILLAN.