

(Model.)

E. ANDERSON.

LOCK.

No. 257,995.

Patented May 16, 1882.

Fig. 1.

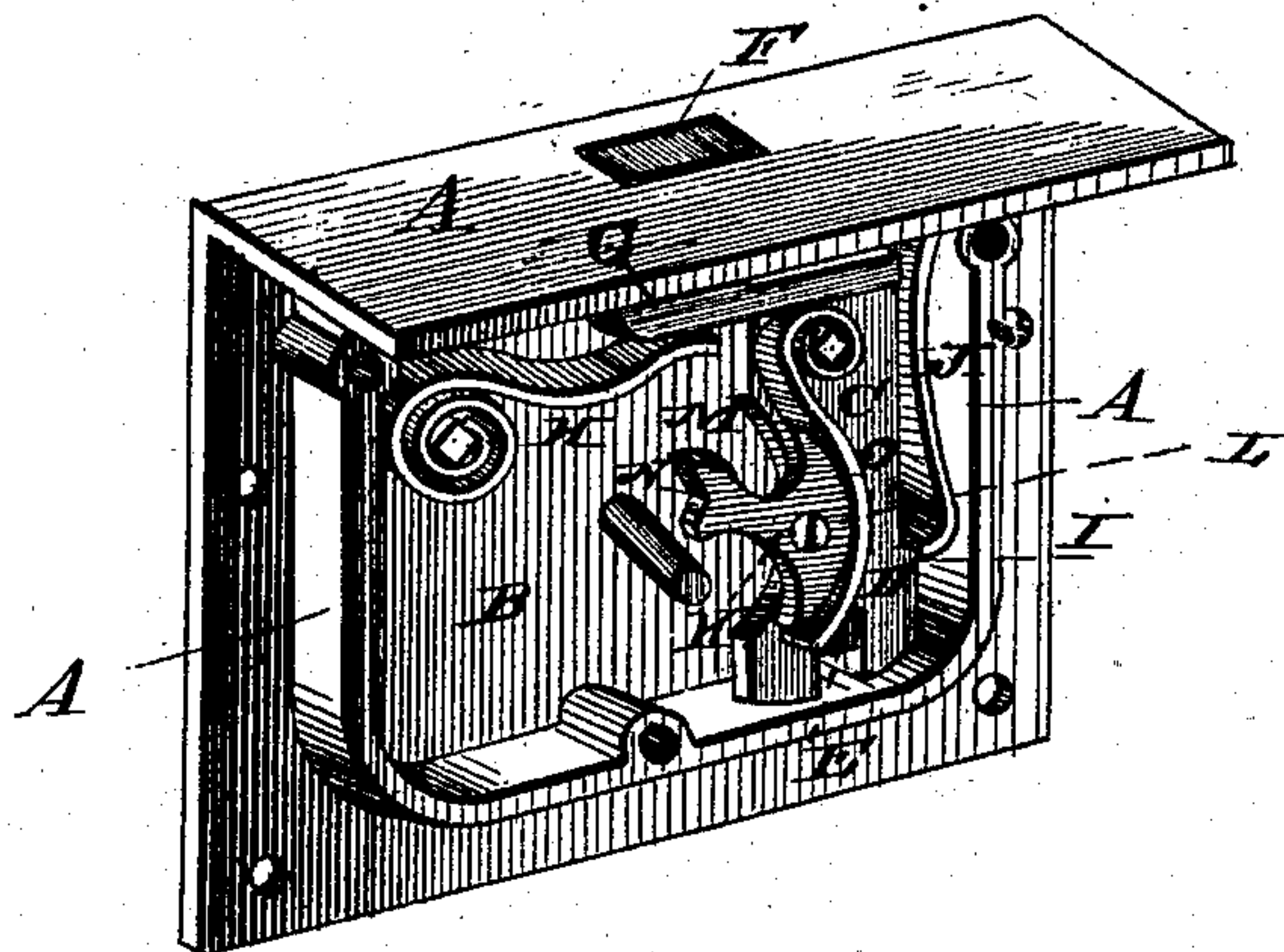


Fig. 2.

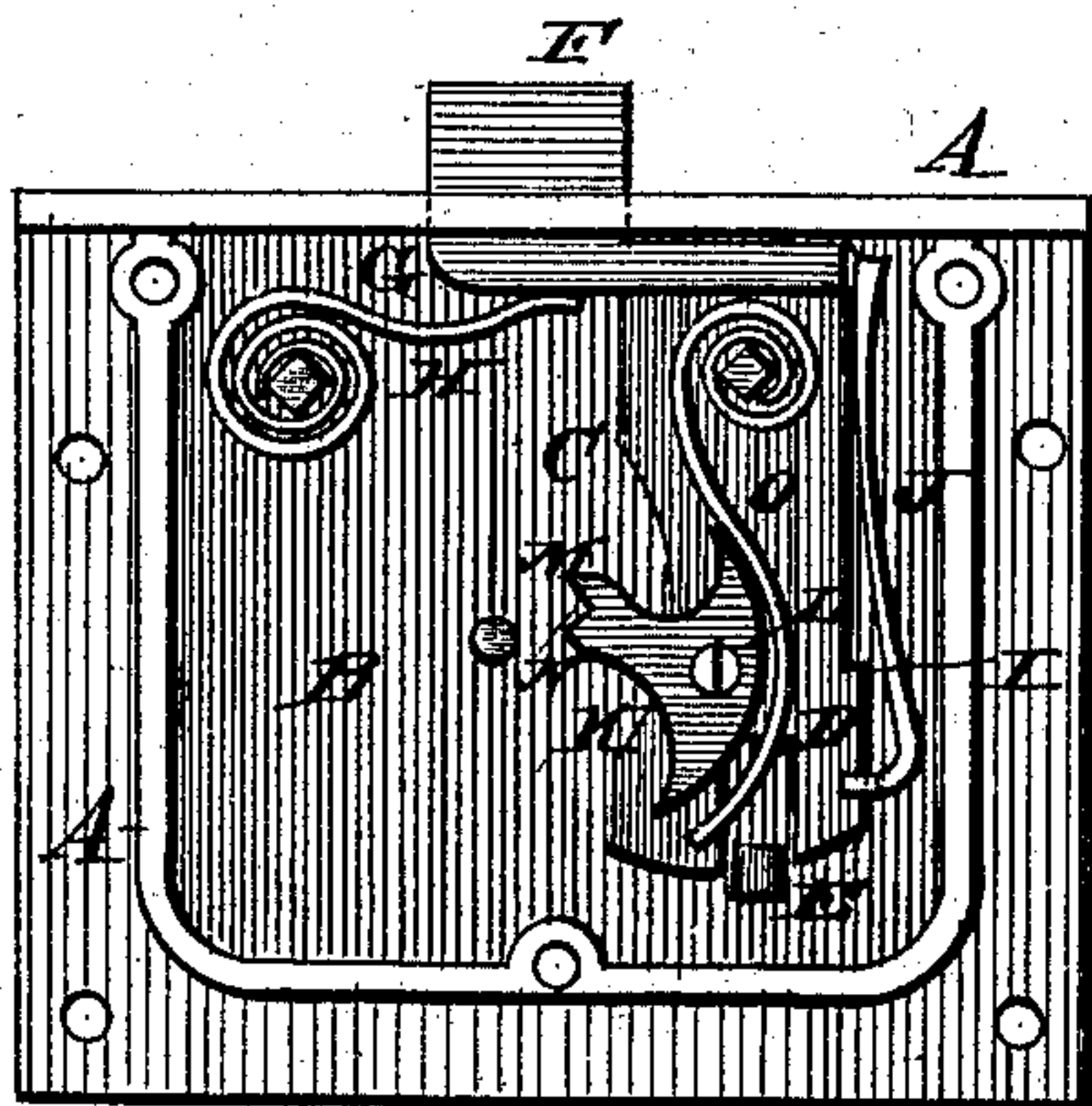
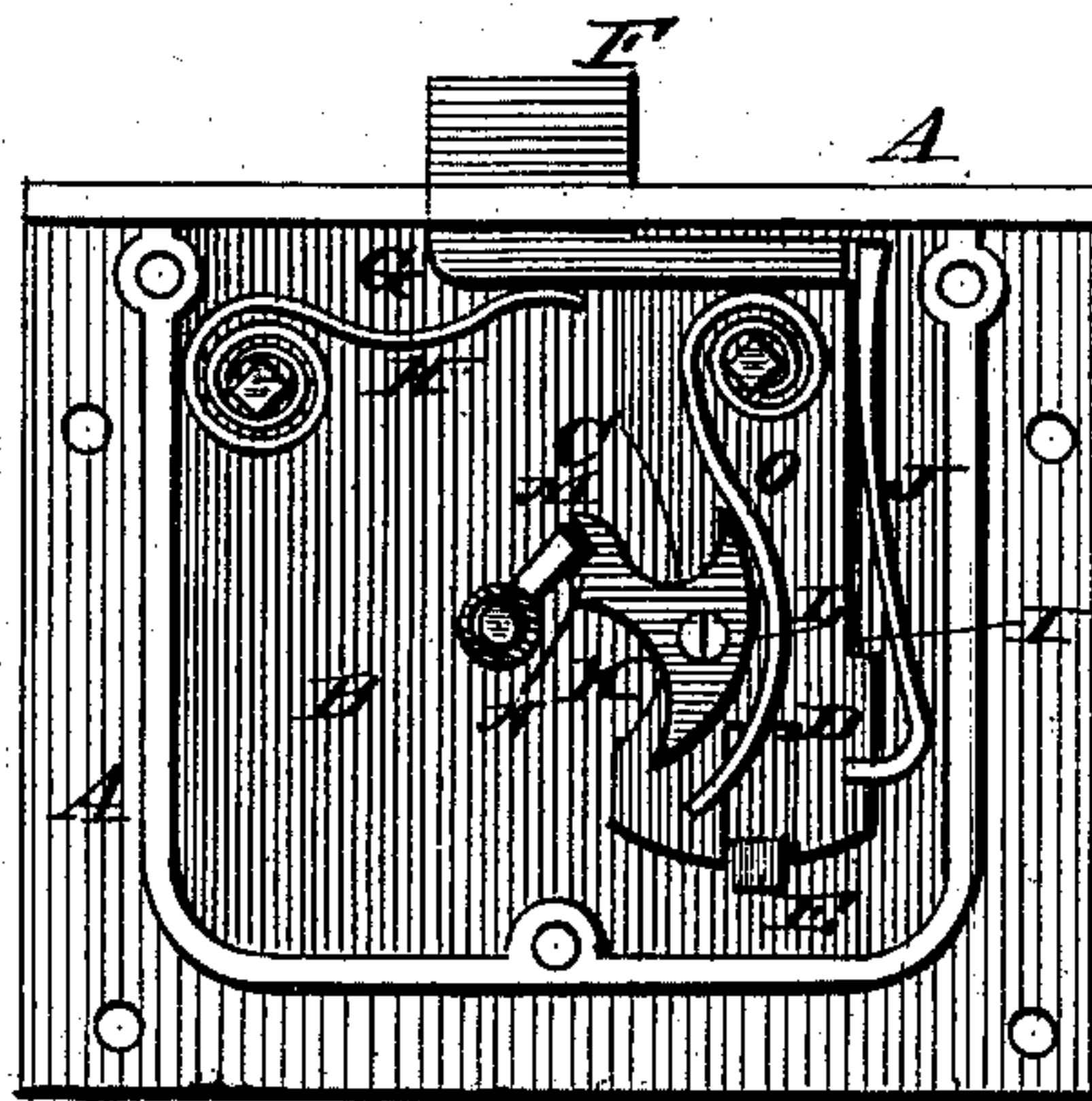


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ELI ANDERSON, OF CARPENTERSVILLE, INDIANA.

LOCK.

SPECIFICATION forming part of Letters Patent No. 257,995, dated May 16, 1882.

Application filed March 15, 1882. (Model.)

To all whom it may concern:

Be it known that I, ELI ANDERSON, of Carpentersville, in the county of Putnam and State of Indiana, have invented certain new and useful Improvements in Locks; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view, showing my improved lock open, the covering-plate having been removed so as to expose the working parts. Fig. 2 is a plan view, showing the lock closed; and Fig. 3 is a similar view, showing the key in position for opening the lock.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to locks; and it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, A represents the frame or casing of the lock, of which B is the main or base plate.

C is the tumbler, which is provided at its lower or inner end with a slot, D, fitting over a guide-stud, E. Its upper or outer end forms the bolt F, which projects in the usual manner through a slot in the rim of the casing. The tumbler C has at its upper or outer end a shoulder, G, which receives the pressure of a spring, H, by which the tumbler is forced outward to close the lock. Near its inner end it has a notch or shoulder, I, to engage a spring-detent, J, by which the tumbler may be held retracted, thus leaving the lock open.

Pivoted upon the tumbler-plate C is a cam, K, one side of which is curved or rounded, as at L, its other side being provided with an arm, M, having a notch, N. The cam K is retained in its normal position by a suitably-

shaped spring, O, secured to the tumbler and bearing against the curved side of the cam.

The operation is as follows: To close the lock the key is inserted and turned from right to left. The bit will thus bear against the under side of the cam-arm M, and turn the cam against the tension of spring O, forcing the latter outward until it bears against the spring-detent J, throwing the latter out of engagement with the shoulder I of the tumbler, which, being thus released, is forced outward by the action of the spring H, thus closing the lock. To open the lock the key must be turned from right to left until the bit engages the notch N in arm M of the cam, care being taken not to turn the key too far, in which event the cam-arm will be entirely passed, making it necessary to turn the key back to the starting-point. When the bit of the key engages the notch N the key is to be turned to the right, thus forcing the tumbler back until it is retained by the detent J.

My improved lock is simple, inexpensive, and durable, and it cannot readily be opened by those not familiar with the secret of its manipulation.

I am aware of the patent to Spathelf, No. 80,369, July 28, 1868, and I do not claim the construction therein shown.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination of the tumbler having shoulders G I, cam K, having curved side L, and arm M, provided with notch N and spring O, the spring H, and the detent J, all arranged and operating substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ELI ANDERSON.

Witnesses:

A. H. SICKEL,
PATRICK H. BISHOP.