

W. M. Keefer,

Trunk Lock.

NO. 104,598.

Patented June 21, 1870.

Fig. 1.

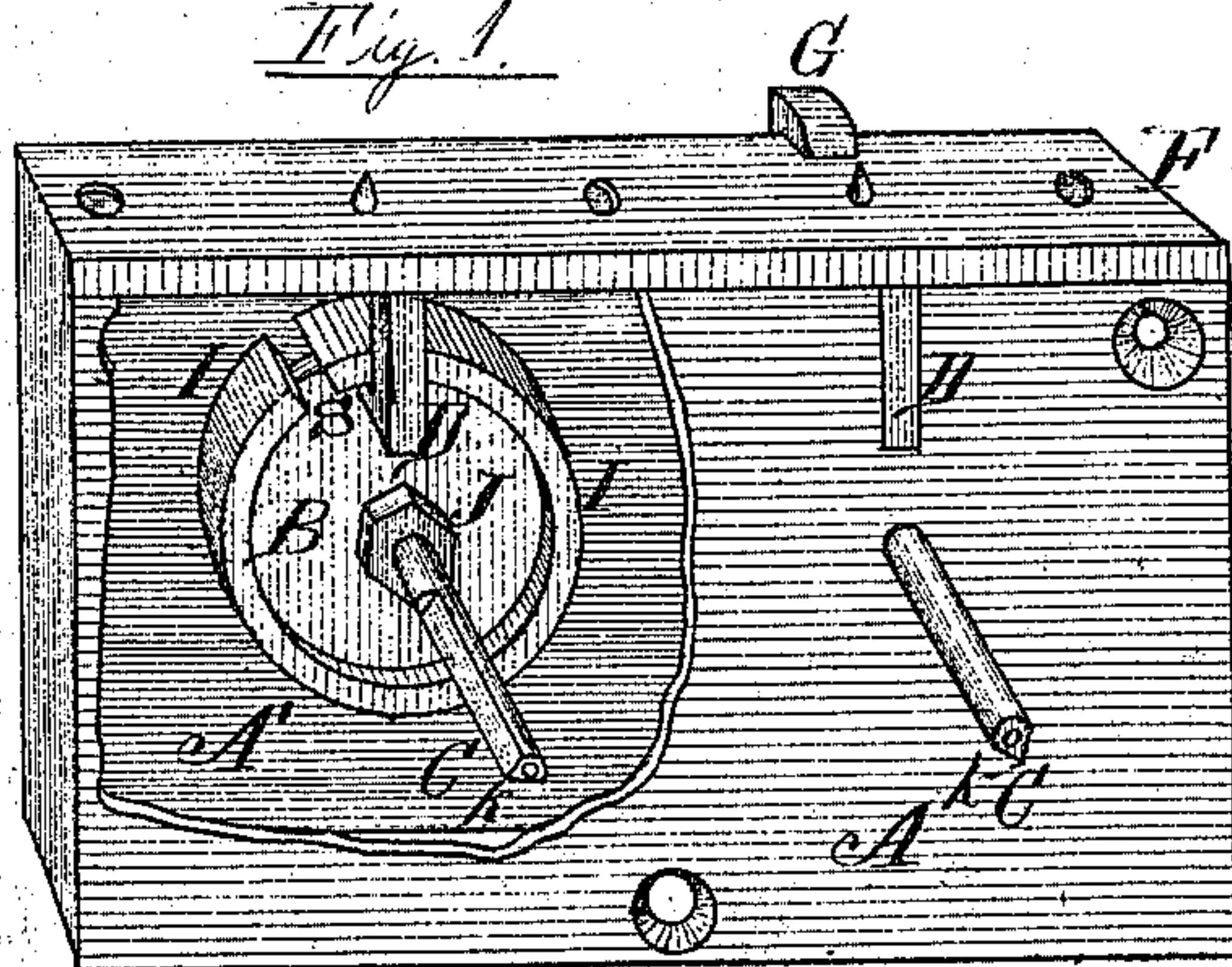


Fig. 2.

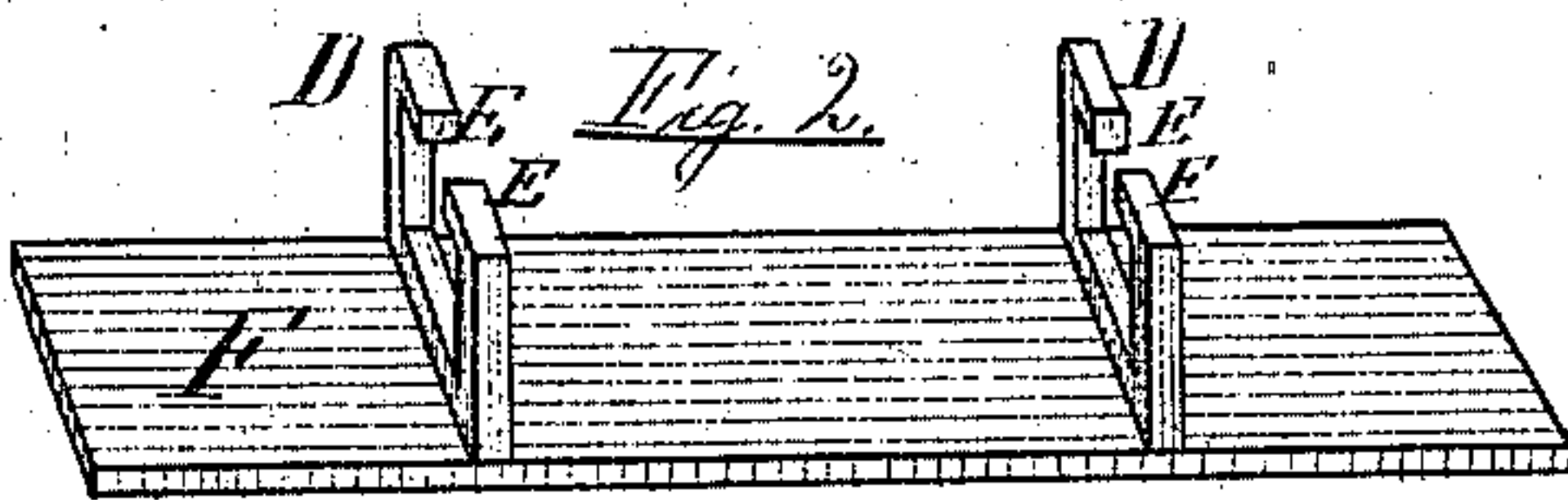
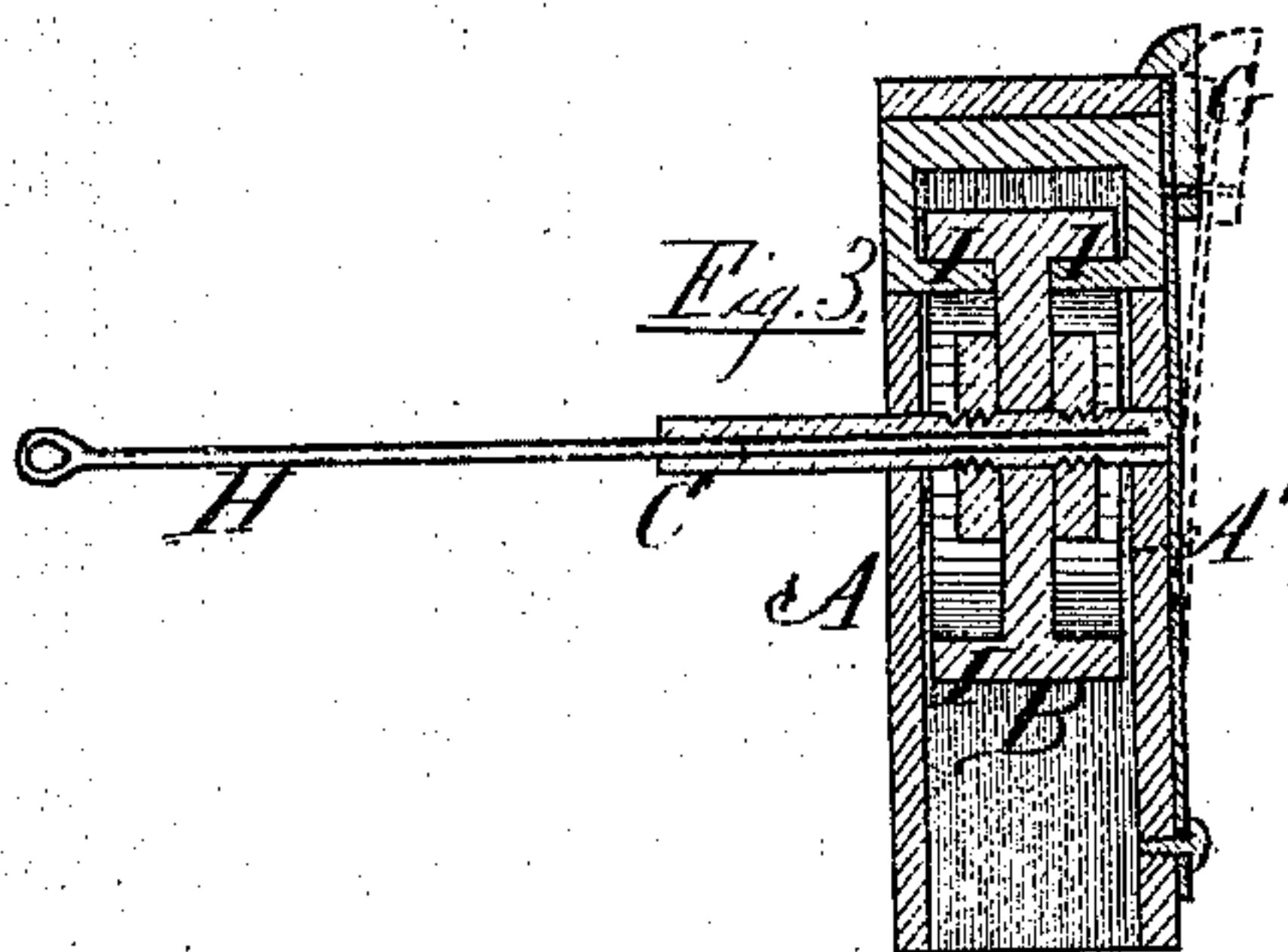


Fig. 3.



Witnesses.

E. Gibson,
G. A. Chapin

Inventor.

W. M. Keefer

United States Patent Office.

WILLIAM M. KEEFER, OF CHICAGO, ILLINOIS, ASSIGNOR TO HIMSELF AND JAMES HARDING, OF SAME PLACE.

Letters Patent No. 104,598, dated June 21, 1870.

IMPROVEMENT IN LOCKS.

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

To all whom it may concern:

Be it known that I, WILLIAM M. KEEFER, of Chicago, in the county of Cook and State of Illinois, have invented an Improved Lock; and I do hereby declare that the following is a full and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing and letters marked thereon making part of this specification, in which—

Figure 1 is a perspective representation of my invention.

Figure 2, an inverted perspective view of the catch, which is attached to the lid of a box or trunk.

Figure 3, a transverse section of the lock through one of the two tumblers and key-bolt.

The nature of the present invention consists in the peculiar form of the key-bolts, they being hollow to receive the needle-key for opening the spring catches, as the whole is hereinafter fully described.

A A' represent the case of the lock, which is made of metal, or other suitable material, in the usual manner.

In this case A A' is formed a bearing for one or more key-bolts, C, and to these key-bolts are fastened tumblers B, which may be turned on said bolts and fastened by means of nuts J, so that the sharp edges K of the key-bolts may have any given position relative to each other as the operator may desire, while at the same time the slots in the tumblers are set for unlocking the catch, the setting of the bolts being indicated by any convenient marks made on the front side of a

door or drawer, as the case may be, to suit the convenience of those who use the lock.

The tumblers B are provided with flanges I on both sides, so that the catches D, shown in all of the figures, may lock over the flanges, and thus hold the catch-plate F to the case A A'.

It will be seen from this description that both notches S in the tumblers must be brought directly opposite the catches D when the lock is to open or shut, and that, by turning the tumblers on the bolt C by means of the nuts J, the combination is changed.

In order to provide a spring lock, a spring catch, G, figs. 2 and 3, is fastened to the back part A' of the case, and it locks over the plate F, and, consequently, holds it fast to the case A A'.

To enable the spring G to be opened from the outside of the lock, the bolts C are made tubular, so that a needle-key, H, may be put through them and push the spring back, as shown in fig. 3.

In fitting the lock to a drawer or door, suitable key-holes should be made for the bolts C, as is usually done in such cases.

Having thus described my invention,

What I claim, and desire to secure by Letters Patent of the United States, is—

The combination of the spring catch G, tubular key-bolts C, catch-plate F, and needle-key H, as and for the purpose specified.

Witnesses:

E. E. GIBSON,
G. L. CHAPIN.

W. M. KEEFER.