

Brown & Hird
Furniture Lock.

N^o 108,874.

Patented Nov. 1, 1870.

Fig. 1.

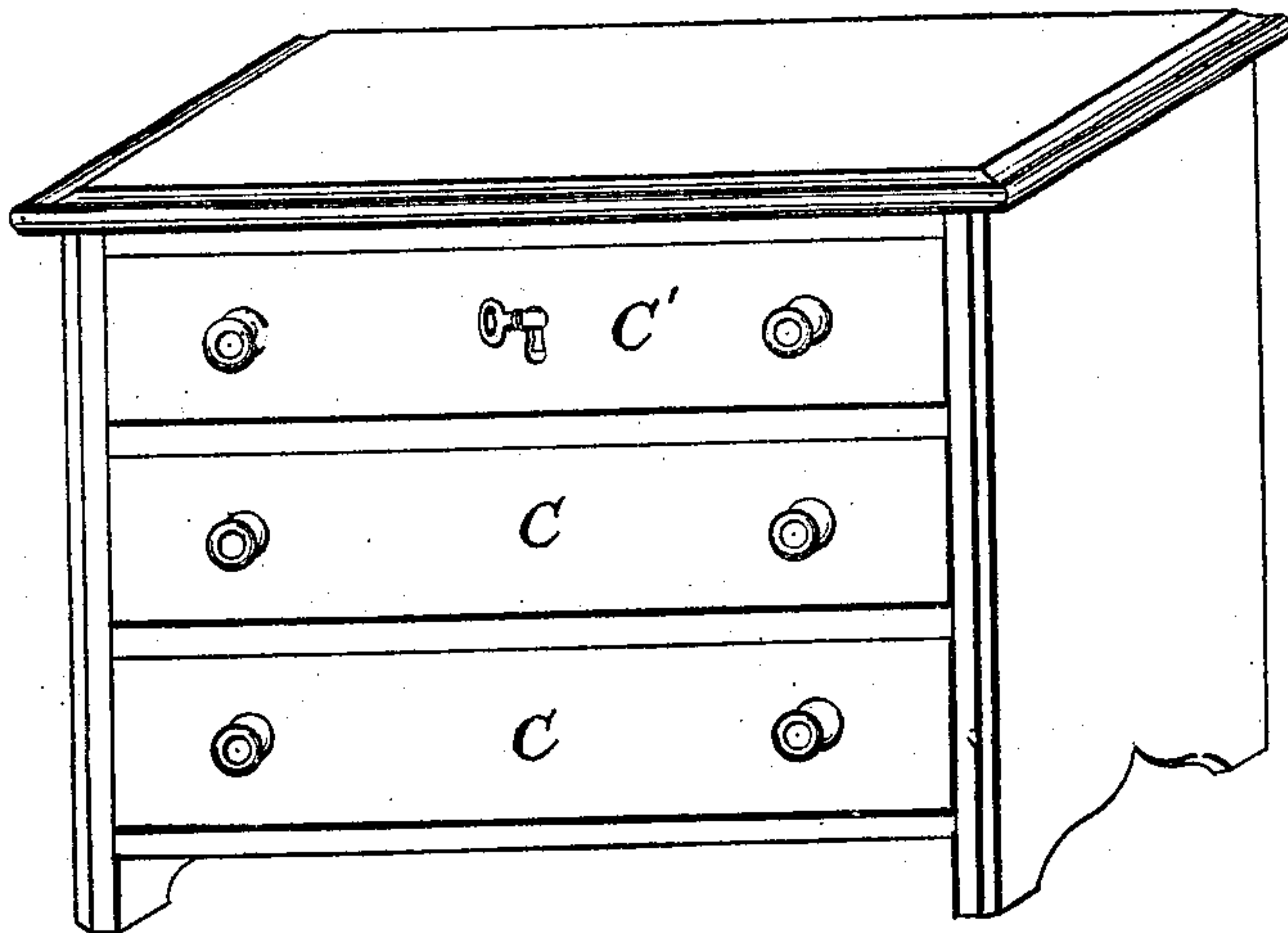
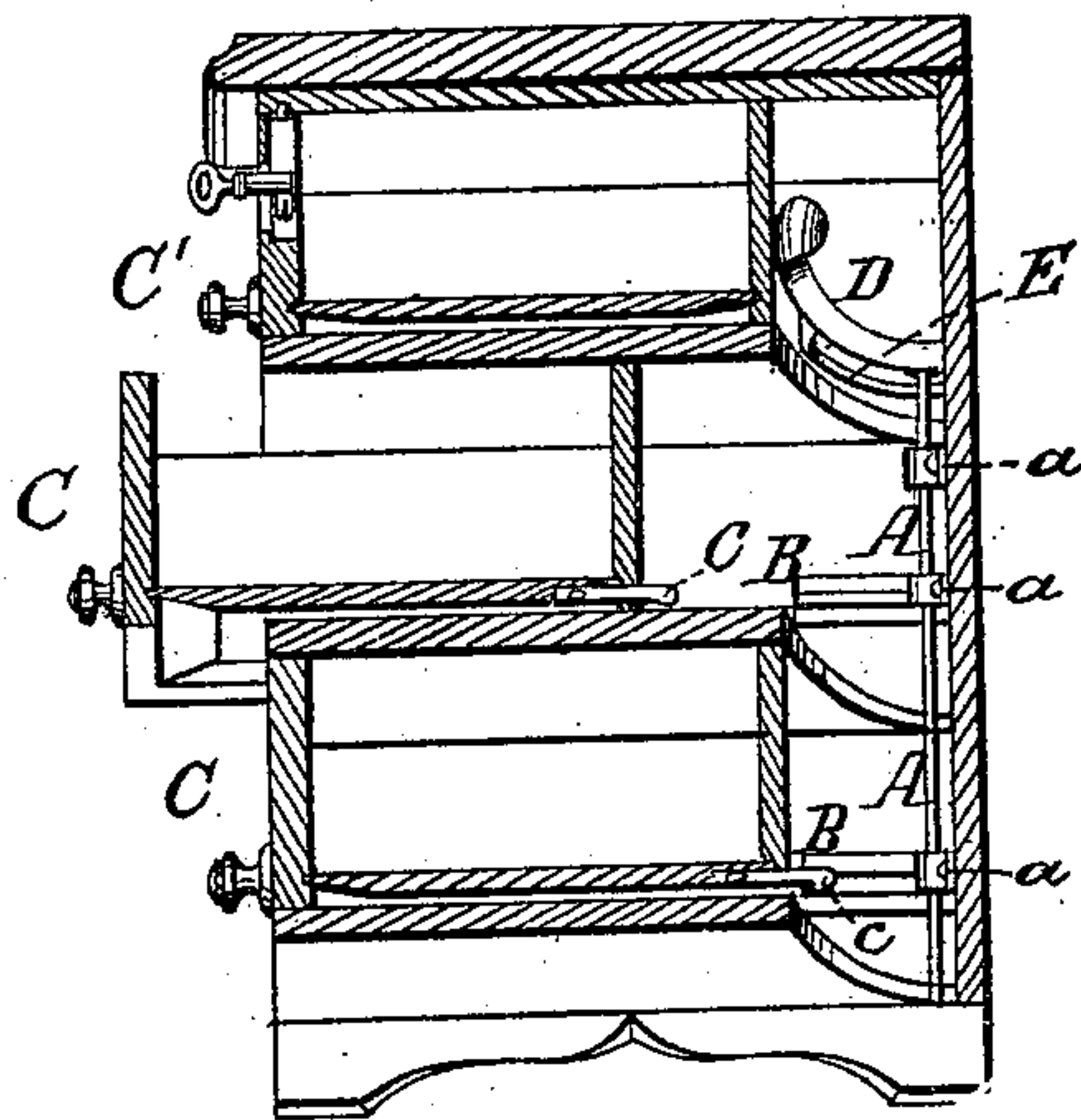


Fig. 2.



Witnesses.
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United States Patent Office.

JAMES T. BROWN AND ISAAC HIRD, OF CINCINNATI, OHIO.

Letters Patent No. 108,874, dated November 1, 1870.

IMPROVEMENT IN AUTOMATIC FURNITURE-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 we, JAMES T. BROWN and ISAAC HIRD, both of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Automatic Furniture-Lock; and we do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing making a part of this specification, in which—

Figure 1 represents a piece of furniture in perspective, with lock attached.

Figure 2 is a cross-section of the working parts of the lock attached to the back.

Similar letters of reference indicate like parts.

The nature of our invention relates to a device which, when acted on by one drawer of a piece of furniture, the remaining drawers may be locked or unlocked automatically, while it gives the opportunity of locking one at a time, should this be desired.

It consists mainly of an upright bar placed in the interior and against the back of a desk or piece of furniture, and vibrating horizontally on journals, and provided with suitable projections or arms engaging with hooks attached to the rear end of the drawers. One drawer only is locked in the usual manner, which, coming in contact with an elastic lever attached to the upright bar, causes it to move in a horizontal direction and locks the remaining drawers. It is further provided with a spring which disconnects the bar from the hooks on the drawers when the locking-drawer is not closed.

The advantages of our invention are in the saving of locks, in the convenience of operating the drawers, and in its increased security.

In construction, our improvement is as follows:

A A is the upright bar, vibrating freely in the boxes
a a.

B B are arms hung on the bar A, and are formed in the shape of a link, so as to engage readily with hooks c c, which are permanently attached to the rear end of drawers C C.

At D is an elastic lever, also attached to upright A, in such a position that it comes in contact with the locking-drawer C', when the same is closed.

F is a spring holding the bar A out of contact with the hooks c c when left free.

The operation of this improvement becomes obvious.

When the locking-drawer C' is closed, its rear end comes in contact with the spring or elastic lever D, pressing it around so as to cause the links B to come into a locking position with the hooks c c when the drawers C C are closed. Should it be desired to lock only the upper drawer C', and leave the remaining drawers unlocked, they may be closed, excepting the last half inch, which will be sufficient to prevent their locking.

What we claim as new, and desire to secure by Letters Patent, is—

The bar A, provided with links B B turning horizontally, and engaging with the drawers C C by means of hooks c c, the whole operated automatically by one or more drawers, C', coming in contact with elastic lever D, and held unlocked by spring F, when all the parts are constructed and arranged substantially as herein described, and for the purpose specified.

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