

L. RENKER.

Devices for Locking Drawers.

No. 141,461.

Patented August 5, 1873.

Fig. II.

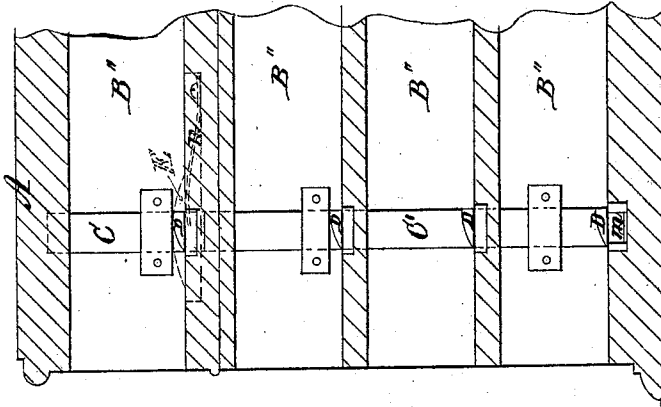
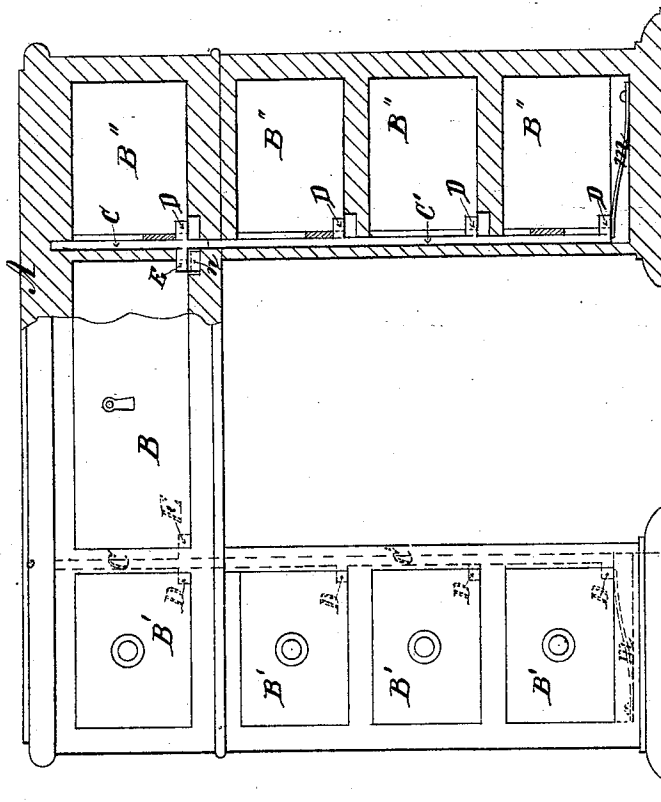


Fig. I.



Witnesses.

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UNITED STATES PATENT OFFICE.

LOUIS RENKER, OF HOBOKEN, NEW JERSEY.

IMPROVEMENT IN DEVICES FOR LOCKING DRAWERS.

Specification forming part of Letters Patent No. **141,461**, dated August 5, 1873; application filed May 19, 1873.

To all whom it may concern:

Be it known that I, LOUIS RENKER, of Hoboken, in the State of New Jersey, have invented a new and useful Improvement in Furniture, of which the following is a specification:

The nature of my invention consists in an arrangement of rods or levers provided with suitable projections, operated by one drawer only in a desk, bureau, or chest of drawers, in such a manner that, by opening this one drawer, all other drawers in said piece of furniture shall be unlocked and capable of being opened, while when this one drawer is closed and locked all other drawers shall be locked after the same have been pushed into their places.

In the accompanying drawing, Figure I represents partly an outside view and partly a section of a writing desk or table containing my improvement. Fig. II is a longitudinal section of the same.

A represents a writing table or desk arranged with a number of drawers, B and B'. In the frame-work of the table rods C C' are arranged, capable of being moved or of sliding clear of the drawers.

Instead of two rods, one continued rod may be used, the reason of making two rods, as here represented, being on account of the top of the table being made separate and capable of being removed from the side-pieces.

On the rod C a projection, E, is made, fitting into a recess on the bottom of the drawer B. This projection E is rounded off or beveled in both directions, (see dotted lines, Fig. II,) so that the drawer B, either when the same is pulled out or when being pushed inward, will slide easily upon its inclined surface, and thereby compress or push down the same and at the same time the rod C, and, being situated directly above the rod C', push said rod C' downward at the same time. On the side next to the drawers B' projections D are made on the rods C and C', which fit tightly into corresponding recesses made in the bottom of these drawers B' when said drawers B' are closed. These projections D are made with flat surfaces on the inner or after sides, and tapered downward toward the

front. (See Fig. II.) By this arrangement the drawers will be kept perfectly fast and be prevented from being pulled outward, except when these projections D are moved clear of the corresponding recesses in the bottom of the drawers. Below the rod C' a spring, *m*, is arranged in the frame of the table to force and keep the projections D in the corresponding recesses in the drawers, and a similar spring, *n*, is arranged in the framing in the upper part of the table to support and hold up the rod C.

When the drawers B and B' are all pushed inward or closed and the drawer B is locked, all the other drawers will be securely locked, as the projections D will then be in their corresponding recesses in the bottom of the drawers, and are kept there by the action of the springs *n* and *m*.

When the drawer B is unlocked and partially drawn out the straight part of its bottom will, by coming upon the projection E, press the same and, consequently, the rods C and C', downward, moving thereby the projections D out of the recesses in the bottom of the drawers B', when all the other drawers B' can be opened or pulled outward.

The arrangement of the rods C and C' varies, of course, with the construction and arrangement of the drawers in the piece of furniture; and it will readily be understood that if another chest of drawers should be arranged upon the writing-table here represented, a suitable rod with projections can be arranged, operating the upper additional drawers by being connected with and operated by the rod C.

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

The slide-rods C C', provided with the cam-projection E, lock-projections D D, and springs *m n*, in combination with a lock-drawer, B, and notched drawers B' B', to be fastened thereby, arranged and operating substantially as and for the purpose herein specified.

Witnesses: LOUIS RENKER.
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