(No Model.)

F. W. MIX.

KEY GUIDE FOR LOCKS.

No. 448,981. Patented Mar. 24, 1891.

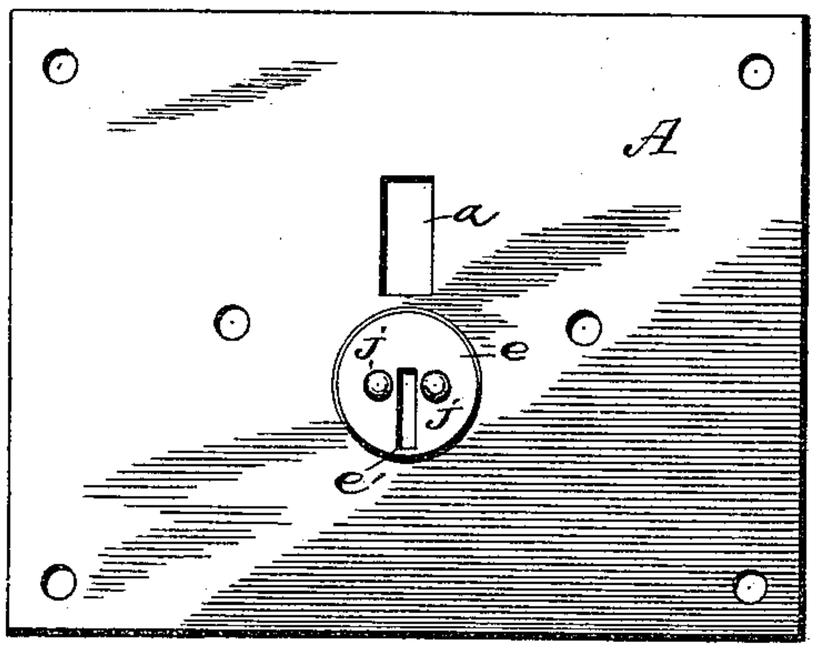


FIG. 1.

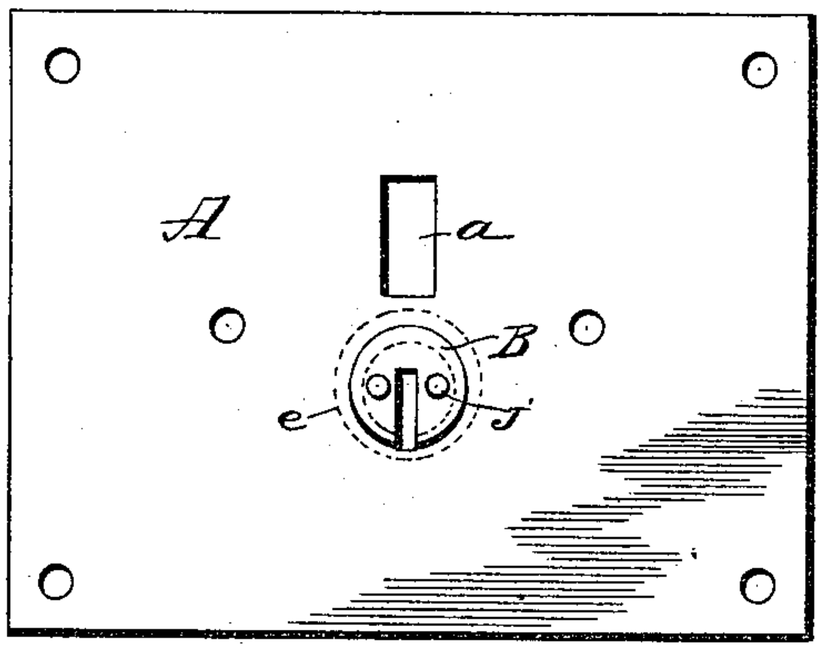


FIG. 2.

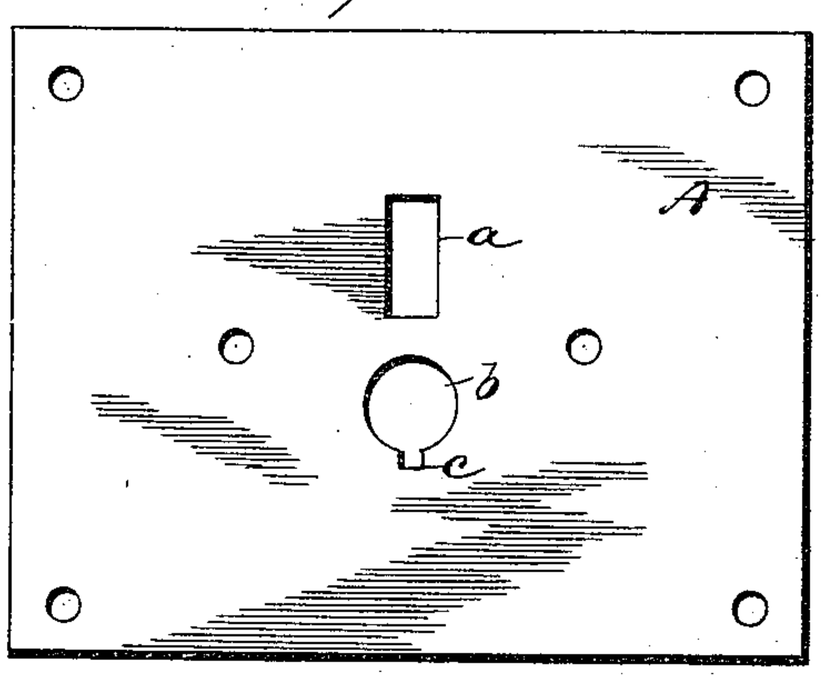


FIG. 3.

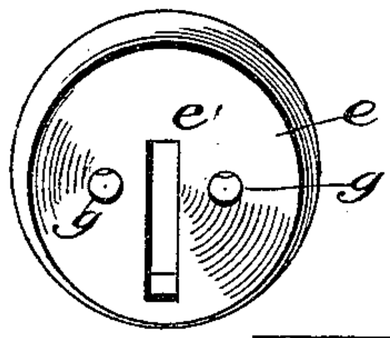


FIG. 5.

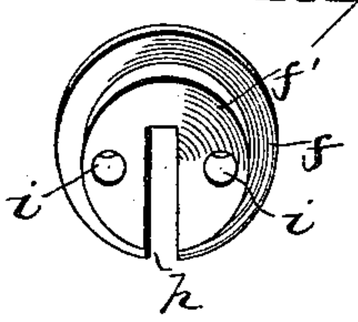
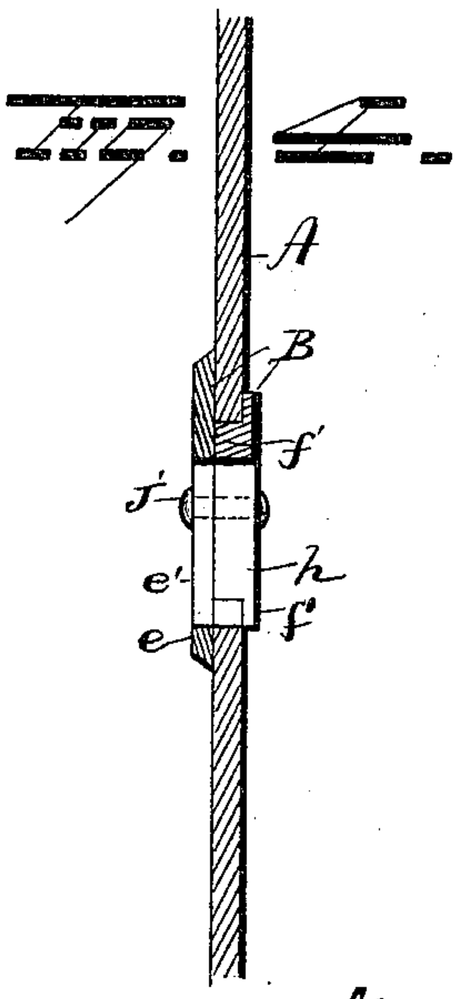


FIG. 4.



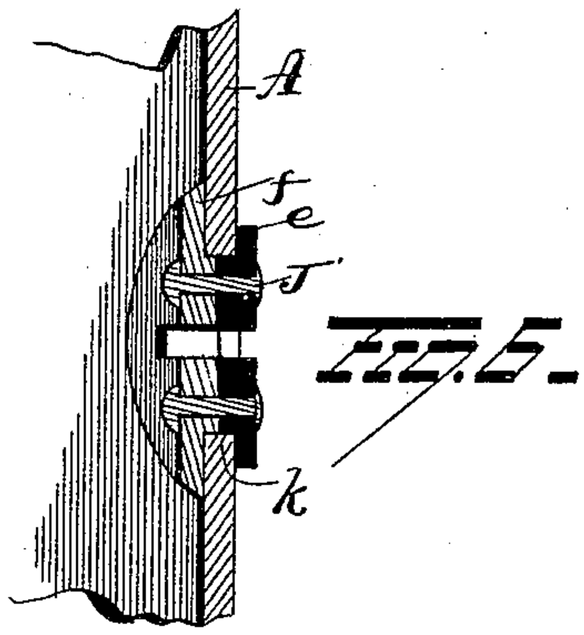


FIG. 6.

Witnesses
E. C. Hottinghaus
G. F. Downing

Inventor
Frank W. Mix
By his Attorney
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UNITED STATES PATENT OFFICE.

FRANK W. MIX, OF NEW BRITAIN, CONNECTICUT.

KEY-GUIDE FOR LOCKS.

SPECIFICATION forming part of Letters Patent No. 448,981, dated March 24, 1891.

Application filed January 11, 1890. Serial No. 336,697. (No model.)

To all whom it may concern:

Be it known that I, FRANK W. MIX, a citizen of New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Key-Guides for Locks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to an improvement in key-guides for locks; and it consists in a plate having a circular opening therein in connection with a key-guide composed of a pair of slotted disks of greater diameter than the diameter of the opening, one of both of which disks have a circular hub thereon adapted to fit and turn in the circular opening.

In the accompanying drawings, Figure 1 is a front view of the face-plate of a trunk-lock with my improved guide attached thereto. Fig. 2 is a rear view of the same. Fig. 3 is a view of the face-plate with the guide removed. Fig. 4 is a sectional view. Fig. 5 shows detached views of the guide-sections. Fig. 6 is a view of a modification.

A represents the face-plate of a lock having a rectangular opening *a* for the reception of a hasp. The face-plate is also made with a circular opening *b*, having a notch *c* communicating therewith. Mounted to rotate in the opening *b* is a key-guide B, which comprises two plates *e f*. The plate *e* of the guide is a flat circular disk of brass or other suitable metal having an elongated slot *e'* of a length and width to receive a flat key and perforations for the accommodation of fastening devices. The plate or disk *f*, which is larger than the opening in the face-plate A, and is provided with a neck *f''* of a size to loosely fit in the opening *b*. The plate or disk *f* is made with an elongated slot *h* to align with the slot *e'* of the disk *e*, and perforations *i* for the reception of fastening devices. In attaching the guide to the face-plate A the disk or plate *e* is placed against the face-plate coincident with the opening *b*. The neck *f'* of disk *f* is then placed in the opening with the elongated slot *h* in alignment with the slot *e'*, and then rivets or other fastening devices *j* are passed through the perforations *g i*, thus securing the two plates together.

When it is desired to insert a key, the elongated slots of the plates are made to align with the notch *c* of the face-plate; but when the key is not in the lock the guide will be rotated, so that the slots will be out of line with the notch *c*.

I am aware that it has been heretofore proposed to make a rotary key-guide for the reception of a flat key of three disks fastened together with rivets, and do not wish to be understood as claiming such construction.

Instead of making the plate *e* perfectly flat and the plate *f* with a neck adapted to pass through the opening in the face-plate, a shoulder or neck *k* may be formed on the plate *e* and made to enter the opening in the face-plate, as shown in Fig. 6.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A rotatable key-guide consisting of two disks and an interior neck integral with one of said disks, the neck adapted to occupy an opening in the face-plate of the lock, and the said disks adapted to occupy opposite sides of said plate and secured together, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

FRANK W. MIX.

Witnesses:
ALBERT N. ABBE,
G. E. ROOT.