No. 690,396. Patented Jan. 7, 1902.

F. E. BROWN.

KEY HOLDER.

(Application filed June 8, 1901.)

(No Model.)

FIG. 1.

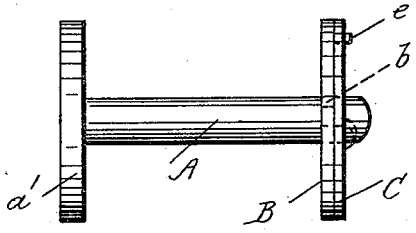


FIG. 2.

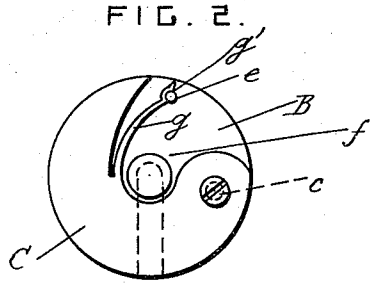


FIG. 3.

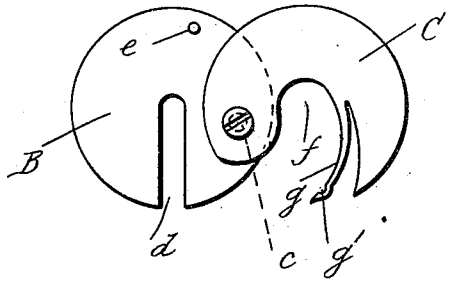
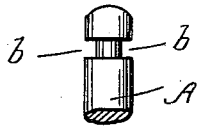


FIG. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

FRANK E. BROWN, OF CONCORD, NEW HAMPSHIRE.

KEY-HOLDER.

SPECIFICATION forming part of Letters Patent No. 690,396, dated January 7, 1902.

Application filed June 8, 1901. Serial No. 63,829. (No model.)

To all whom it may concern:

Be it known that I, FRANK E. BROWN, a citizen of the United States, residing at Concord, in the county of Merrimac and State of New Hampshire, have invented certain new and useful Improvements in Key-Holders; 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.

This invention relates to key-holders; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a side view of the key-holder. Fig. 2 is an end view. Fig. 3 is a detail view of the removable disks. Fig. 4 is a detail view of the end portion of the spindle.

A is a spindle provided at one end with a fixed plate or disk *a'*. The other end portion of the spindle has two notches or a groove *b* for the removable disk B to engage with.

B and C are two removable plates or disks, which are pivoted together by a pin *c*, arranged eccentric of their centers. The disk B has a straight slot *d*, extending radially from its center to its periphery, and a projecting pin *e*. The disk C has a curved slot *f*, extending from its center to its periphery and arranged concentric with the pin *c*. The disk C also has a spring-tongue *g* on one side of the slot *f*, and this spring-tongue is provided with a notch *g'* for engaging with the pin *e*.

The keys are first placed upon the spindle A, and the removable disks are then placed in position. The slot *d* is first slid over the groove or notches *b* of the spindle, and the disk C is then turned so that its slot *f* also engages with the said spindle and the notch of the spring-tongue catches over the locking-pin and secures the removable disks in position.

What I claim is—

1. In a key-holder, the combination, with a spindle having a fixed plate at one end and notches in its other end portion, of removable plates pivoted together and provided with slots for engaging with the said notches and spindle, and means for locking the said removable plates upon the said spindle, substantially as set forth.

2. In a key-holder, the combination, with a spindle having a fixed plate at one end and notches in its other end portion, of two removable plates pivoted together, one of the said removable plates being provided with a radial slot and a locking-pin, and the other said removable plate being provided with a slot arranged concentric with its pivot-pin, and having a notched spring-tongue for engaging with the said locking-pin, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK E. BROWN.

Witnesses:
ALICE J. MURRAY,
FREDK. K. DAGGETT.