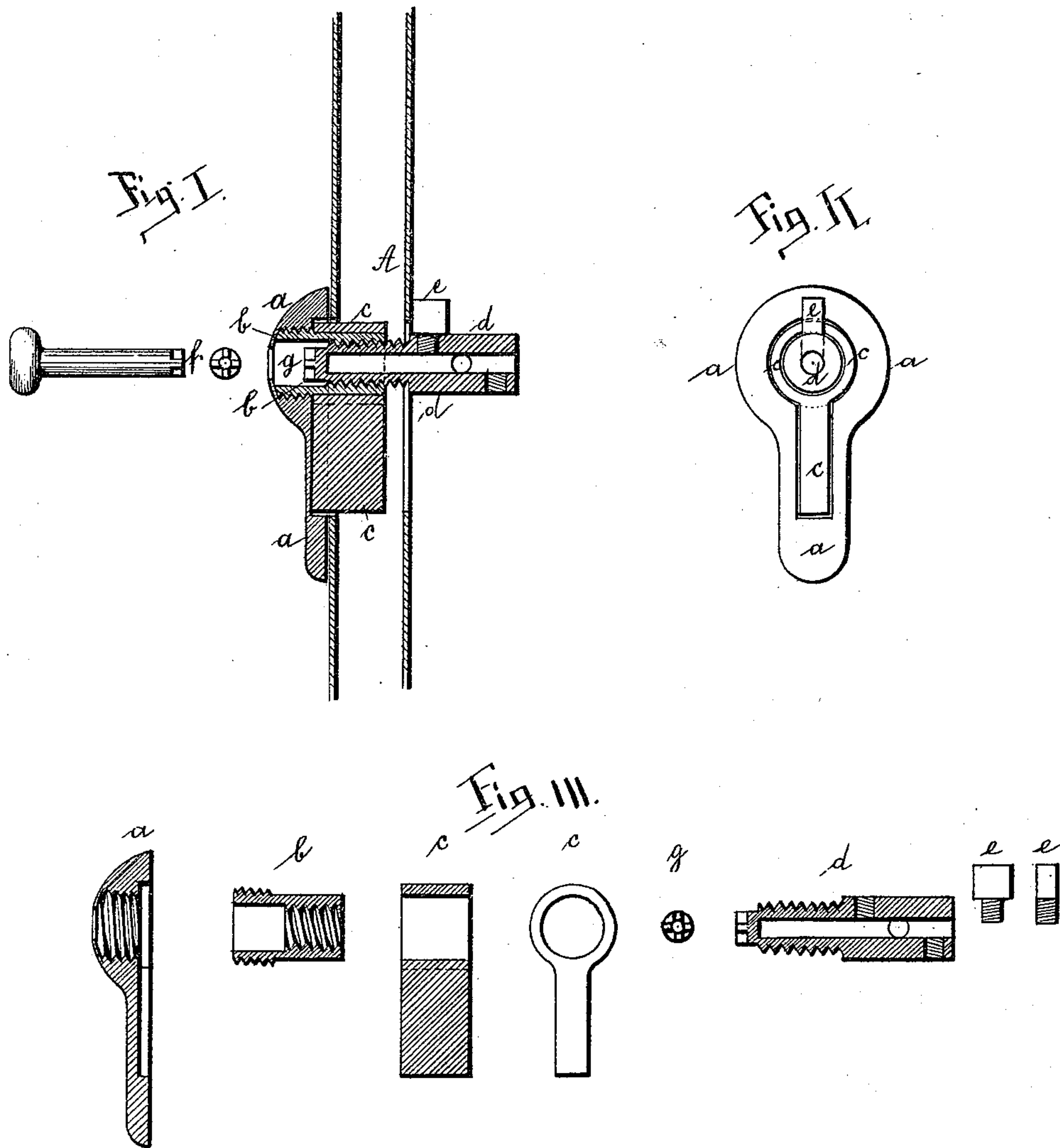


(No Model.)

F. EICHE.
KEY HOLE GUARD.

No. 438,534.

Patented Oct. 14, 1890.



Witnesses:
Thomas Durant.

E. S. Smith

Inventor:
Friedrich Eiche,

by Church & Church
his Attys.

UNITED STATES PATENT OFFICE.

FRIEDRICH EICHE, OF DRESDEN, GERMANY.

KEY-HOLE GUARD.

SPECIFICATION forming part of Letters Patent No. 438,534, dated October 14, 1890.

Application filed July 31, 1889. Serial No. 319,358. (No model.) Patented in Germany July 14, 1889, No. 49,610; in England July 19, 1889, No. 11,570; in France July 22, 1889, No. 191,983; in Belgium July 23, 1889, No. 87,111; in Austria-Hungary July 25, 1889; in Switzerland December 14, 1889, No. 1,681, and in Italy December 21, 1889, No. 243.

To all whom it may concern:

Be it known that I, FRIEDRICH EICHE, dentist, a subject of the Emperor of Germany, residing at Dresden, in Germany, have invented certain new and useful Improvements in Closing Devices for Key-Holes of Locks, (the same having been patented in England, No. 11,570, July 19, 1889; in Germany, No. 49,610, July 14, 1889; in France, No. 191,983, July 22, 1889; in Belgium, No. 87,111, dated July 23, 1889; in Italy, No. 243, dated December 21, 1889; in Switzerland, No. 1,681, dated December 14, 1889, and in Austria-Hungary, dated July 25, 1889,) of which the following is a specification.

Figure I is a vertical central section. Fig. II is a rear view. Fig. III shows parts detached.

The present invention relates to closing devices for key-holes of locks of all sizes and construction.

This device consists, as will be seen from the accompanying drawings, of the body *a*, which serves to cover the key-hole, the tube *b*, screwed into the said body, the sleeve *c*, passed over the tube *b* and provided with a projection for filling the key-hole, and the part *d*, screwed into the tube *b*, and the back end of which is formed with one or more openings for the reception of a removable projection *e*.

To introduce the apparatus into the key-hole to be closed the part *d* must be turned so that the projection *e* projects downward. The back end of this part *d* fills the inner end of the key-hole and the sleeve *c* the outer end.

To fasten the device in the key-hole, the part *d* is turned until the projection *e* abuts firmly against the case *A* of the lock. The part *d* is turned by means of a pin or key *f*, the end of which is formed with projections or recesses fitting recesses or projections formed on the front end of the part *d*. The key *f* is then withdrawn.

The novelty and the value of the present invention consist in the fact that the sleeve *c* for filling the key-hole, the part *d*, and the projection *e* can be removed at will and replaced by others so as to fit a lock of any size and construction. The sleeve *c* is manufactured in different sizes, which are supplied with each apparatus. It is passed over the tube *b* from behind and enters a recess formed in the body *a* to prevent any lateral displacement. The part *d* is also removable, and is constructed thinner or thicker, solid or hollow, according to the construction of the lock; but its head *g* and its screw-threaded part always fit the key *f* and the inner screw-thread of the tube *b*. The projection *e* is introduced in one of the openings formed in the part *d*, three being shown in the accompanying drawings, according to the thickness of the lock. By means of the adjustable part *d* a small difference can always be compensated, so that only a few turns of the screw are necessary to lock the device in the key-hole. In consequence of this arrangement the above-described apparatus can be used with locks of all sizes or construction on doors, cupboards, boxes, and the like.

Having now particularly described and ascertained the nature of the said invention and in what manner the same is to be performed, I declare that what I claim is—

1. In a closing device for key-holes of locks, the combination, with the screw *d*, having the projection *e* thereon and the key-seat in its end, of the body *a*, removable sleeve *c*, and key *f*, for turning the screw, as set forth.

2. In a closing device for key-holes of locks, the combination, with the screw *d*, having the adjustable projection *e* thereon, and body *a*, of the removable sleeve *c*, substantially as described.

FRIEDRICH EICHE.

Witnesses:

RUDOLF SCHMIDT,
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