

(Model.)

G. VOLL.

FACE PLATE FOR LOCKS.

No. 333,434.

Patented Dec. 29, 1885.

Fig. 1.

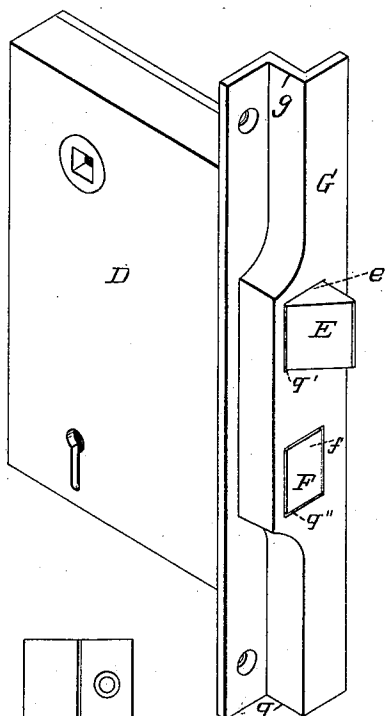


Fig. 2.

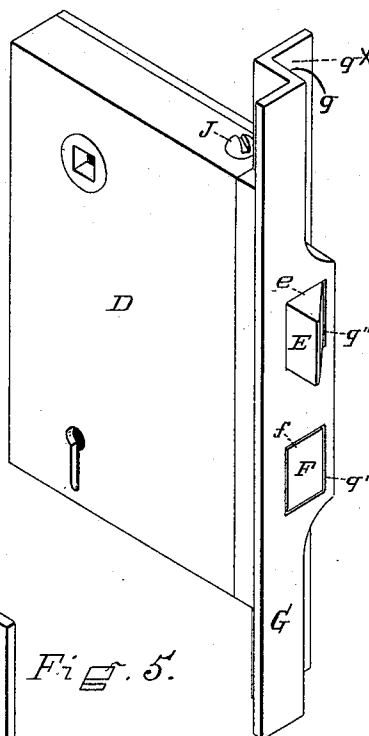


Fig. 5.

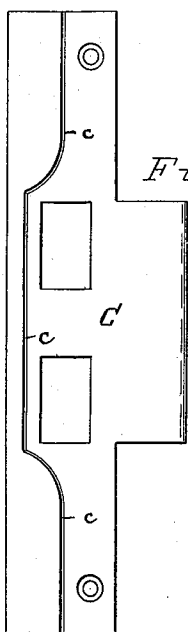


Fig. 6.

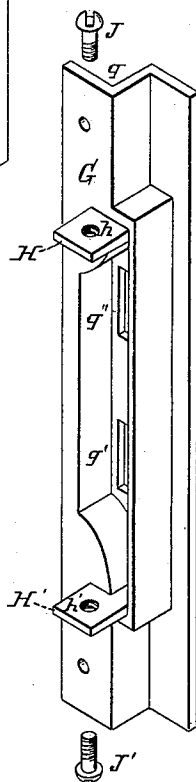


Fig. 3.

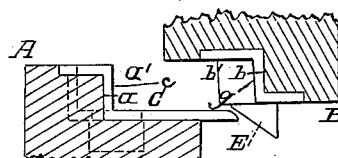
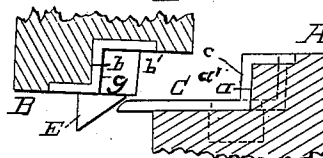


Fig. 4.



Attest:
A. P. Knight
Geo. Wheelock

Inventor:
George Voll
By Knight Bros
Attys.

UNITED STATES PATENT OFFICE.

GEORGE VOLL, OF CINCINNATI, OHIO, ASSIGNOR, BY MESNE ASSIGNMENTS,
TO THE IRELAND MANUFACTURING COMPANY, OF SAME PLACE.

FACE-PLATE FOR LOCKS.

SPECIFICATION forming part of Letters Patent No. 333,434, dated December 29, 1885.

Application filed May 16, 1885. Serial No. 165,722. (Model.)

To all whom it may concern:

Be it known that I, GEORGE VOLL, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Improvement in Face-Plates for Locks, of which the following is a specification.

The invention is designed to enable those mortise-locks such as are used in folding doors to be applicable at will to either a right or a left hand door, thus obviating the great expense now incurred in making every such lock for use on either a right-hand or a left-hand door exclusively. This purpose I accomplish by the construction of a detachable and reversible face-plate, substantially as hereinafter fully explained.

In the accompanying drawings, Figures 1 and 2 are perspective views showing my lock adapted to a right-hand and to a left-hand door, respectively. Figs. 3 and 4 are top views of the same. Fig. 5 is a rear view of a reversible face-plate, illustrating my invention. Fig. 6 is a face view of the keeper.

A and B may represent the meeting portions of two folding doors having the customary beveled surfaces *a b* and rabbets *a' b'*.

C is a beveled and rabbeted keeper attached in the usual manner to the beveled rabbeted edge of one of the doors A, the beveled surface of the keeper being shown at *c*.

D may represent a mortise-lock.

E represents a spring-latch thereof, which is, for use with my improvement, made capable of reversal in any one of the familiar ways of reversing lock-latches.

F represents the lock-bolt, whose head *f* is identical in cross-section with the cross-section of the head *e* of spring-latch E, and whose location is as much below the median line of the lock as that of the spring-latch is above it.

The face-plate G has the customary bevel *g* and rabbet *g'*, and two precisely-similar openings, *g' g''*, for the heads *e* and *f* of the latch and bolt, respectively, said openings being located in such positions relatively to the other parts of the plate that, no matter which edge of the plate is placed uppermost, one of them will register with the head of the latch and the

other with the head of the bolt. By this means the face-plate is made reversible. The rabbets of the face-plate and keeper are of course complementary to each other, and the openings in both correspond.

The various beveled surfaces are in practice, and likewise in the accompanying drawings, so slight as to be scarcely perceptible at first glance; but on careful examination they will be found to be fully illustrated.

Projecting rearwardly from the face-plate G are two lugs, H H', whose perforations *h h'* receive the screws J J', by which the said face-plate is secured to the lock-case either for a right-hand or a left-hand arrangement at will of the user. The two halves of the said face-plate from its mid-length outward being identical in every respect, including the orifices for the latch and bolt heads, respectively, which latter have, as already mentioned, an identical cross-section, it becomes possible, after detaching the face-plate, to apply it in the inverted position shown in the figures. The latch E, having previously to such reattachment of the face-plate, been reversed in the usual way of reversible locks and made to occupy the orifice in the keeper previously occupied by the bolt, and vice versa, the lock is converted from a right-hand to a left-hand one or from a left-hand to a right-hand one as the case may be.

My invention is manifestly applicable to any customary form of beveled face-plate of mortise-locks, whether rabbeted or otherwise.

I claim as new and of my invention—

The combination, with a reversible keeper having openings corresponding to those of the face-plate and a rabbet complementary to that of said plate, of the mortise door-lock having the lock-bolt, the reversible latch, and the reversible rabbeted face-plate, as set forth.

In testimony of which invention I hereunto set my hand.

GEORGE VOLL.

Attest:

CHAS. E. PRIOR,
GEO. H. KNIGHT.