# A. GOLDFINGER.

## Lock for Doors.

No. 165,995. Patented July 27, 1875.

*Fig. 1.*

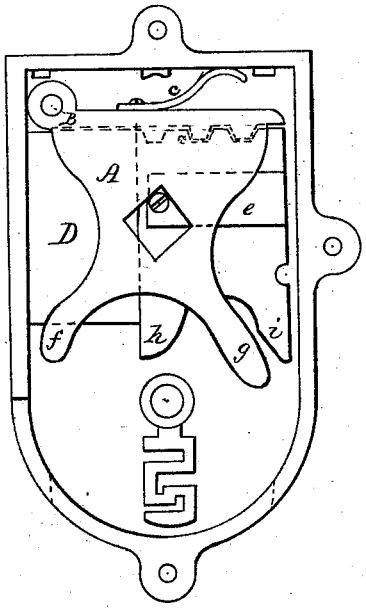



*Fig. 2.*

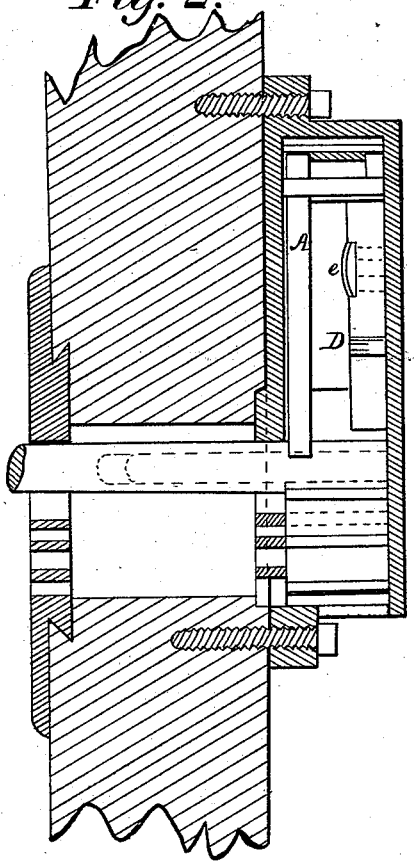



*Fig. 3.*

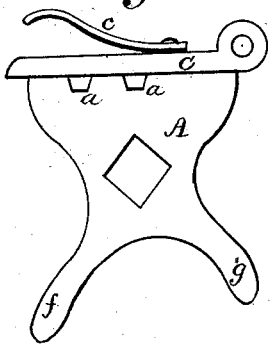
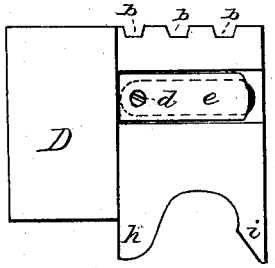



*Fig. 4.*

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# UNITED STATES PATENT OFFICE.

ADOLPH GOLDFINGER, OF NEWARK, NEW JERSEY.

## IMPROVEMENT IN LOCKS FOR DOORS.

Specification forming part of Letters Patent No. **165,995**, dated July 27, 1875; application filed June 24, 1875.

*To all whom it may concern:*

Be it known that I, ADOLPH GOLDFINGER, of the city of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Locks; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which form a part of this specification.

The object of my invention is to provide a lock combining in its construction and operation simplicity, strength, and durability; and it consists in the combined arrangement of a plate having a flange provided with lugs, which fit into corresponding sized slots in the bolt, said plate and bolt being also provided with projecting feet at their base, all as will be hereinafter more fully described, and pointed out in the claim.

Referring to the drawings, Figure 1 is a plan view, with the cover of the lock-case removed. Fig. 2 is a longitudinal vertical section. Fig. 3 is a detail view of the plate, and Fig. 4 a detail view of the bolt.

Similar letters of reference occurring on the several figures indicate corresponding parts.

A represents the plate, pivoted at B in the upper corner of the lock-case, said plate resting upon and covering the bolt D, as shown in Fig. 1. The plate A has a flange or shoulder, C, at its upper part, which is provided with projecting lugs *a*, as shown in Fig. 3, which are adapted to fit into corresponding slots or grooves *b* in the upper edge of the bolt D, as shown in Fig. 4, a suitable spring, *c*, intervening between the flange C and the upper part of the lock-case, which is designed to keep the lugs *a* on the said flange in gear with the grooves *b* in the bolt D, so as to prevent the bolt from slipping unless actuated by a suitable key. A guide-pin, *d*, projects from the side of the lock-case, through a slot in the bolt D, upon the end of which is attached a flat spring, *e*, which is sunk in a groove in the face of the bolt, and acts as a clamp to prevent the back end of the bolt D from tilting when pressure is brought to bear upon the outer end of said bolt D. The lower part of the plate A is curved, and terminates in the two arms *f* and *g*, as shown, as also is the lower portion of the bolt D, terminating with two arms, *h* and *i*.

The lock is operated as follows: The key, being inserted and turned in the direction to force the bolt outward, first comes in contact with the end of the arm *g*, forcing the plate A upward as the key is turned, until the lugs *a* are disengaged from the slots *b*, when the key engages with the arm *h* on the bolt D, and forces said bolt out, when, by the action of the spring *c* and the key on the arm *f* of the plate A, said plate is caused to re-engage with the bolt D, preventing said bolt from being forced back, except by a suitable key. In unlocking, as will be obvious, the key is turned in the reverse direction, but actuates the plate A in the same manner before engaging with the arm *i* on the bolt D.

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

In a lock constructed as hereinbefore described, the combination of the plate A, having a flange, C, lugs *a*, spring *c*, and feet *f* and *g*, with the bolt D, having grooves *b*, spring *e*, and feet *h* and *i*, all arranged to operate substantially as and for the purpose described.

In testimony that I claim the foregoing as my own invention I affix hereto my signature in presence of two witnesses.

ADOLPH GOLDFINGER.

Witnesses:

JOHN C. TUNBRIDGE,

OLIVER DRAKE.