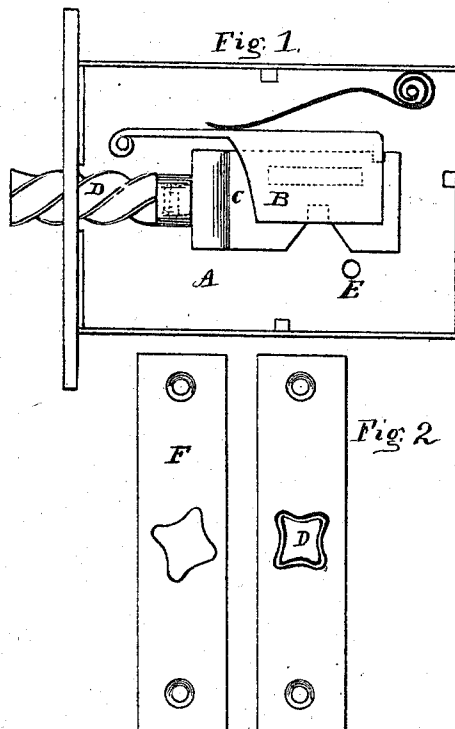


F. GORRIS.

Locks.

No. 142,335.

Patented September 2, 1873.



WITNESSES.

Geo. W. Tibbitts

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INVENTOR.

Frank Gorris

UNITED STATES PATENT OFFICE.

FRANK GORRIS, OF CLEVELAND, OHIO.

IMPROVEMENT IN LOCKS.

Specification forming part of Letters Patent No. **142,335**, dated September 2, 1873; application filed March 7, 1873.

To all whom it may concern:

Be it known that I, FRANK GORRIS, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and Improved Revolving Screw-Bolt Lock, of which the following is a specification:

This invention relates to that class of locks in which a bolt is thrown out with a key; and consists in the peculiar construction of the bolt and face plate, whereby it is made to revolve when thrown out, and being made in the form of a screw securely holds the two parts joined by the lock together. It is peculiarly adapted to all uses to which a bolt-lock is required.

The following is a description of its construction and operation.

Referring to the accompanying drawing, Figure 1 is an elevation of my improved lock having the outside plate removed to show the interior parts. Fig. 2 is an edge or end view of the lock, showing the face plate and the end of the bolt.

A represents the case of a lock of the usual form. B is a tumbler, and C is a sliding plate operated by the key, which plays on the stud E. In these respects the lock does not differ from the ordinary lock. My improvement consists in the construction of a screw-bolt, D,

which is attached to the sliding-plate C by a swivel, which allows it to turn or revolve, the bolt passing out through the end of the lock through a hole fitting the screw-bolt, and which causes the bolt to revolve when moved out or in. The plate F, into which the bolt passes, and which is attached opposite to the face plate of the lock, has an opening conforming to the shape of the bolt, and serves as a nut which fits the bolt.

This construction and arrangement of the bolt adapts the lock to a greater range of use than the square bolt, and is equally useful for drawer-locks, trunk-locks, or lids of any kind, or for folding-doors, the screw on the bolt preventing the separation of the two parts locked without revolving the bolt.

I claim—

A screw-bolt, D, swiveled to the plate by which it is thrown and retracted, and revolved by means of a correspondingly-formed opening in the end of the lock-case and catch-plate, when operated by the key, substantially as described.

FRANK GORRIS.

Witnesses:

GEO. W. TIBBITTS,
D. L. WOOD.