

J. SARGENT.
Lock.

No. 210,807.

Patented Dec. 10, 1878.

Fig. 1.

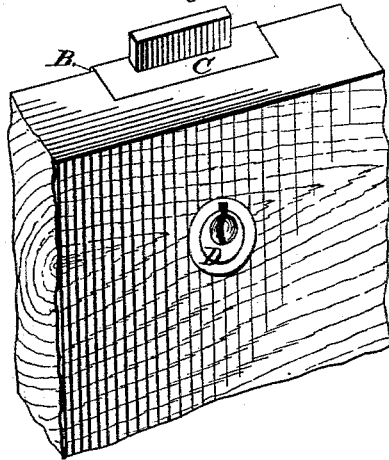


Fig. 2.

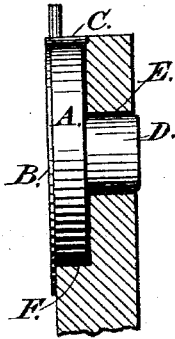


Fig. 3.

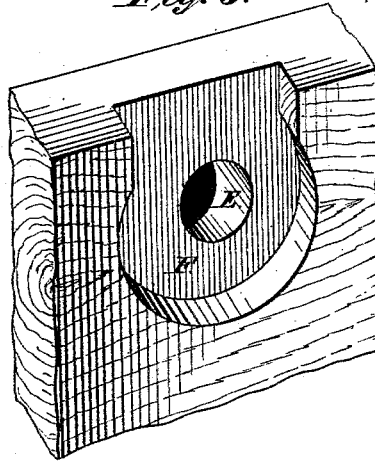
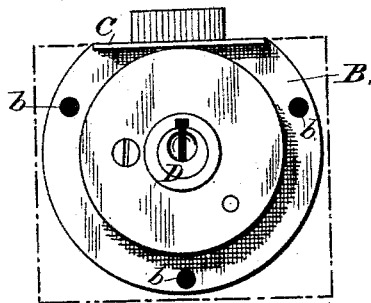


Fig. 4.



Witnesses:

T. C. Bruck
J. A. Rutherford

Inventor:

James Sargent,
By James L. Norris,
Attorney.

UNITED STATES PATENT OFFICE

JAMES SARGENT, OF ROCHESTER, NEW YORK.

IMPROVEMENT IN LOCKS.

Specification forming part of Letters Patent No. **210,807**, dated December 10, 1878; application filed October 29, 1878.

To all whom it may concern:

Be it known that I, JAMES SARGENT, of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Locks, of which the following is a specification:

The object of this invention is to provide a lock for doors, drawers, and other purposes, which can be applied with less labor and at less expense than locks of the ordinary construction.

Heretofore such locks have been constructed with a back plate having a lip through which the bolt projects, said lip being of a length equal to the greatest width of the back plate.

In order to form a proper flange for attaching the lock to the door or drawer, it is necessary that the back plate should extend beyond the sides of the lock-plate, so as to project over the edges of the recess in which the lock-case is set. Now, as the lip is equal in length to the greatest width of the back plate in the ordinary locks, it is evident that a recess must be cut in the edge of the door or drawer, in order to let said lip set flush with said edge, so that the door or drawer may be properly closed.

In forming this recess great care is necessary to get it of the exact depth and conformation of the lip, in order that the lip may set neatly and snugly in place. This involves considerable labor and expense, besides being a tedious and delicate job.

The design of my invention is to obviate these objections and dispense with the recess for the lip, whereby the door or drawer may be quickly prepared for the reception of the lock, and the lock readily and neatly applied.

To this end my invention consists in constructing the lock with a cylindrical lock-case having a horn which is adapted to project through a suitable aperture in the door or drawer, and provided with a back plate having a lip the length of which is less than the greatest width of the back plate, whereby a flange is formed for securing the lock to the door or drawer, and the recess for the lip is dispensed with, the lip setting in a continuation of the recess in which the lock-case sets, as more fully hereinafter specified.

In the drawings, Figure 1 represents a perspective view of a portion of a door having my improved lock attached thereto. Fig. 2 represents a transverse vertical section of a door or drawer, showing my lock in position.

Fig. 3 represents a perspective view of a portion of a door or drawer, showing the recess for the reception of the lock-case; and Fig. 4, a front view of the lock detached.

The letter A represents the lock-case, which is cylindrical in form, the internal works of which may be of the ordinary or any approved construction.

B represents the back plate, which may approximate a circle in shape, or may be of rectangular or polygonal form. Said back plate is of greater width than the lock-case, forming a flange around the same for the screw-holes *b*, by means of which the lock may be attached to the door or drawer. The said back plate is provided with a lip, C, which is of a length less than the greatest width of the back plate, for the purpose hereinafter explained.

The front of the lock-case is provided with a horn, D, which sets through an aperture, E, in the door or drawer.

In applying the lock to a door or drawer, a circular recess, F, is formed in said door or drawer by means of a suitable boring-tool of a diameter corresponding to the diameter of the lock-case. From this recess the door or drawer is cut away to the edge of the door, forming a rectangular continuation of the circular recess of a width equal to the length of the lip. The lock is then set in this recess, the flanges formed by the back plate setting over the sides of said recess, and the lip filling up the rectangular continuation of the circular recess, setting flush with the edge of the drawer or door.

What I claim is—

A lock for a door or drawer, having a circular lock-case, and a back plate of greater width than the same, said back plate being provided with a lip of a length less than the greatest width of the back plate, the lock-case and the lip being adapted to set in a circular recess in the door or drawer, and a rectangular continuation of said recess, the lip setting flush with the edge of the door or drawer, substantially as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand in the presence of the subscribing witnesses.

JAMES SARGENT.

Witnesses:

JAMES L. NORRIS,
JAS. A. RUTHERFORD,