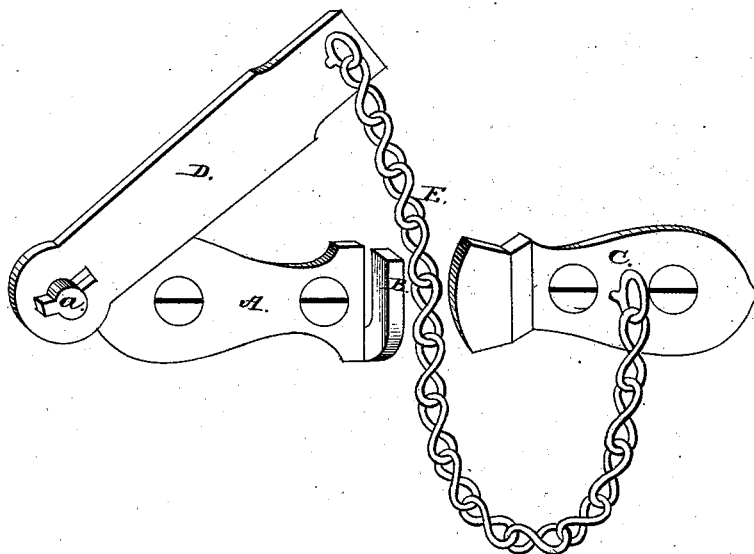


G. C. SETCHELL & W. W. HIGGINS.
CHAIN-FASTENING LATCHES.

No. 194,473.

Patented Aug. 21, 1877.



Attest:
James Woodmanson
E. R. Park

Inventors:
George C. Setchell
and
William W. Higgins
By: Webster Park,
their Attorney

UNITED STATES PATENT OFFICE.

GEORGE C. SETCHELL AND WILLIAM W. HIGGINS, OF NORWICH, CONN.

IMPROVEMENT IN CHAIN FASTENING-LATCHES.

Specification forming part of Letters Patent No. **194,473**, dated August 21, 1877; application filed September 21, 1876.

To all whom it may concern:

Be it known that we, GEORGE C. SETCHELL and WILLIAM W. HIGGINS, both of the city of Norwich and State of Connecticut, have invented certain Improvements in Latches, of which the following is a specification:

The object of our invention is to combine, with an ornamental and convenient latch, a chain device, so constructed that while the latch is locked it forms a secure fastening for either outside or inside doors, and when the latch is raised it allows the door to be opened only the length of the chain less the thickness of the door; but by again closing the door the latch may be turned back and taken off the door, and allowed to hang by the chain, when the door may be opened or closed without obstruction.

This latch is well adapted not only for dwelling-houses, but also for rooms in hotels and upon steamboats, affording at all times an ornamental and convenient safeguard against the intrusion of unauthorized or criminal persons.

The accompanying drawing shows our chain-latch as made and applied upon left-hand doors, with the latch in position and raised from its catch, so as to allow the door to be opened nearly the length of the chain.

A is the latch-plate, which is fastened upon the door by screws, having upon its rear end the stud or pin *a*. D is the latch, which is pivoted upon the pin *a*, and falls into the rest B, made upon the front of the plate A. C is

the catch-piece, which is fastened upon the casing by screws, having its front end raised from the casing sufficiently to allow the latch D to fall freely between it and the casing. E is the chain, having one end fastened upon the catch-piece C, and the other end to the outer end of the latch D.

At the rear end of the latch D a small slot is made upon one side of the hole, through which the pin *a* passes, and upon the outer end of the pin *a*, which projects through the latch, a small spur is made upon the opposite side of the pin *a* from the slot, when the latch is in its rest B, so that the latch D cannot be removed from the latch-plate A, except by turning the latch entirely back, so that the spur may pass through the slot, in which position the door must necessarily be closed, because the length of the chain is only little more than twice that of the latch.

We are aware that chains have been applied to bolts in various ways for the same purpose, and do not wish to claim the use of chains in connection with bolts or locks; but

We claim as our invention—

The combination, with the latch-plate A, pivoted latch D, removably secured at *a*, and catch-piece C, of the chain E, substantially as and for the purposes herein set forth.

GEORGE C. SETCHELL.
W.M. W. HIGGINS.

Witnesses:

E. R. PARK,
JAMES H. WOODMANSEE.