

No. 631,431.

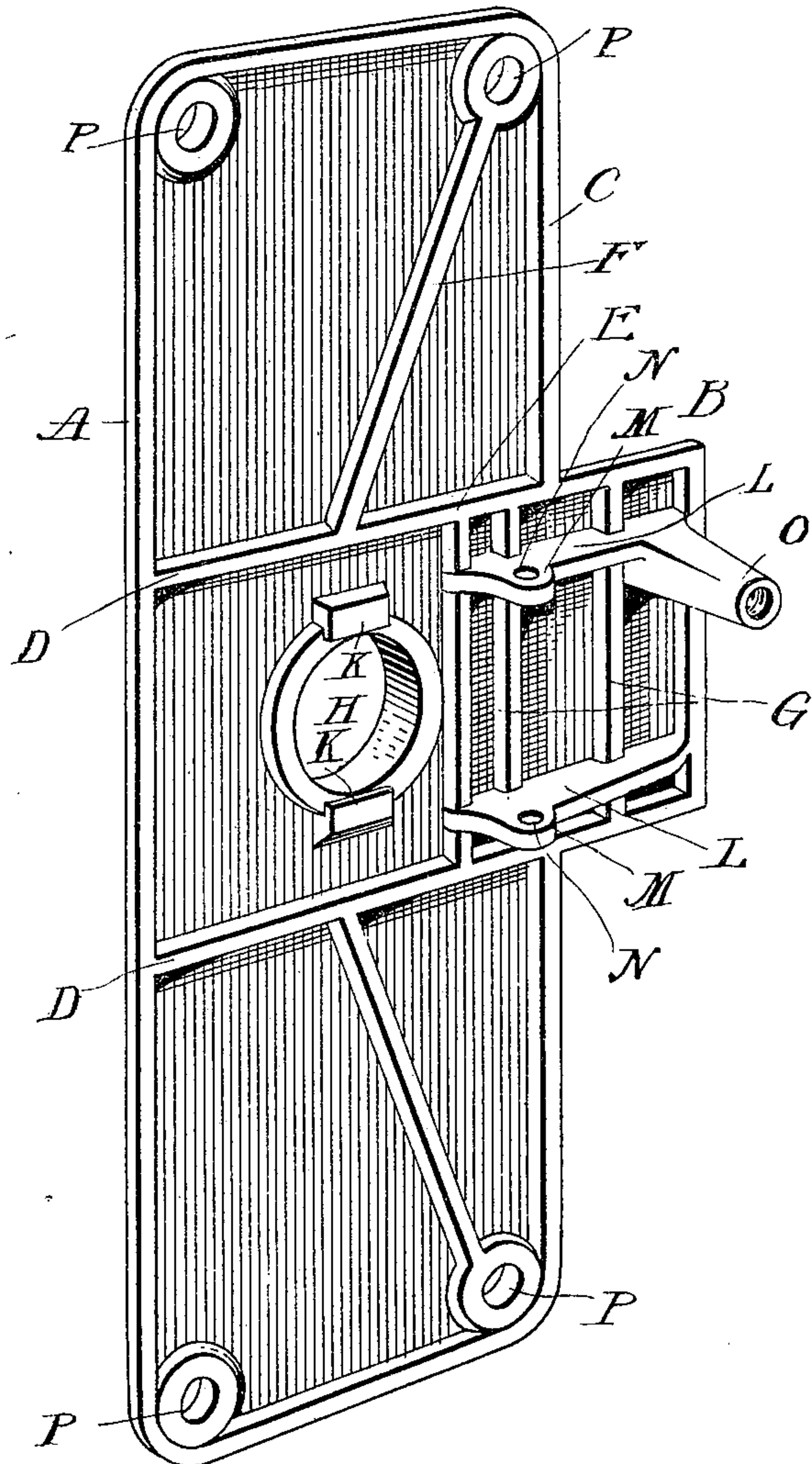
Patented Aug. 22, 1899.

B. PHELPS.

LOCK.

(Application filed Jan. 21, 1899.)

(No Model.)



WITNESSES:

Frank S. Olen
Amos R. Howell

INVENTOR:

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BY

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UNITED STATES PATENT OFFICE.

BYRON PHELPS, OF SEATTLE, WASHINGTON, ASSIGNOR OF ONE-HALF TO
THEODORE NELSON, OF CHICAGO, ILLINOIS.

LOCK.

SPECIFICATION forming part of Letters Patent No. 631,431, dated August 22, 1899.

Application filed January 21, 1899. Serial No. 702,909. (No model.)

To all whom it may concern:

Be it known that I, BYRON PHELPS, a citizen of the United States, residing at Seattle, county of King, State of Washington, have
5 invented certain new and useful Improvements in Locks, of which the following is a full, clear, and exact description.

My invention relates to improvements in locks; and my object is to provide an improved escutcheon-plate therefor, especially
10 for such a lock as is adapted to be inserted in the notch of a door and shown, for instance, in my Patents Nos. 626,340 and 626,341, granted June 6, 1899.

In the accompanying drawing, showing the preferred embodiment of my invention, A represents the main portion of the escutcheon-plate, and B a broadened projection at one side
15 thereof, preferably opposite a spindle-hole H.

This broadened projection is intended to cover up the slot in the stile of the door in the manner shown in my said patents. The plate is preferably cast of some metal, with a strengthening-rib C integral therewith and
20 running around the rear face of the plate.

D D are other strengthening-ribs, also cast integral with the plate, running across the rear face of the plate, preferably from one side rib to the other and branching to form
30 ribs E and F. G G are other strengthening-ribs, also cast integral and aiding in strengthening the plate and broadened projection B.

L L are flanges projecting from the rear face of the plate, preferably running from
35 near said spindle-hole H out along the broadened projection. These flanges are preferably parallel and may form guides for holding in position a lock-frame such as shown in my said patents, if desired. It will be observed that such a frame could be held in
40 place between the flanges L L.

M are lugs projecting from the rear face of the plate and may be integral with said flanges. These lugs have holes N N therein,
45 through which a fastening means, such as a wire, may be inserted to retain a lock-frame in position, one side of which frame may obviously lie behind such a wire. K K are

abutments at the side of the spindle-hole, against which the frame may rest. O is an
50 internally-threaded lug also projecting from the rear face of the plate and adapted to receive a screw projecting from the other escutcheon-plate, as shown in my said patents, and P P are screw-holes at the corners of the
55 plate.

The ribs preferably have their faces in the same plane, so that when the escutcheon-plate is applied to the stile of a door these ribs will lie against the flat face thereof.
60 The ribs are preferably cast integral with the plate and greatly strengthen it, while doing away with the necessity of a thicker plate, thus economizing metal. The ribs D D and G G prevent the plate being bent over a longitudinal axis, and the ribs C C prevent it from
65 being bent over a horizontal axis. The ribs F also brace the plate and further strengthen it.

It will be obvious that many changes may be made in the construction herein disclosed
70 without departing from the spirit of my invention.

What I claim is—

1. An escutcheon-plate embracing a main portion, a hole therein, a broadened projection
75 from one side thereof substantially opposite said hole, and a flange projecting from the rear face of said plate and running from near said hole out along the rear face of said
80 projection.

2. An escutcheon-plate embracing a main portion, a hole therein, a broadened projection from one side thereof substantially opposite said hole and an internally-threaded
85 lug projecting from the rear face of said plate.

3. An escutcheon-plate having a pair of substantially parallel guides projecting from the rear face thereof, said guides having holes therein substantially opposite each other.

Signed at New Britain, Connecticut, this
90 19th day of January, 1899.

BYRON PHELPS.

Witnesses:

G. ERNEST ROOT,
C. A. BLAIR.