

(No Model.)

C. F. GARLAND.
KNOB SPINDLE FASTENER.

No. 460,789.

Patented Oct. 6, 1891.

FIG. 1.

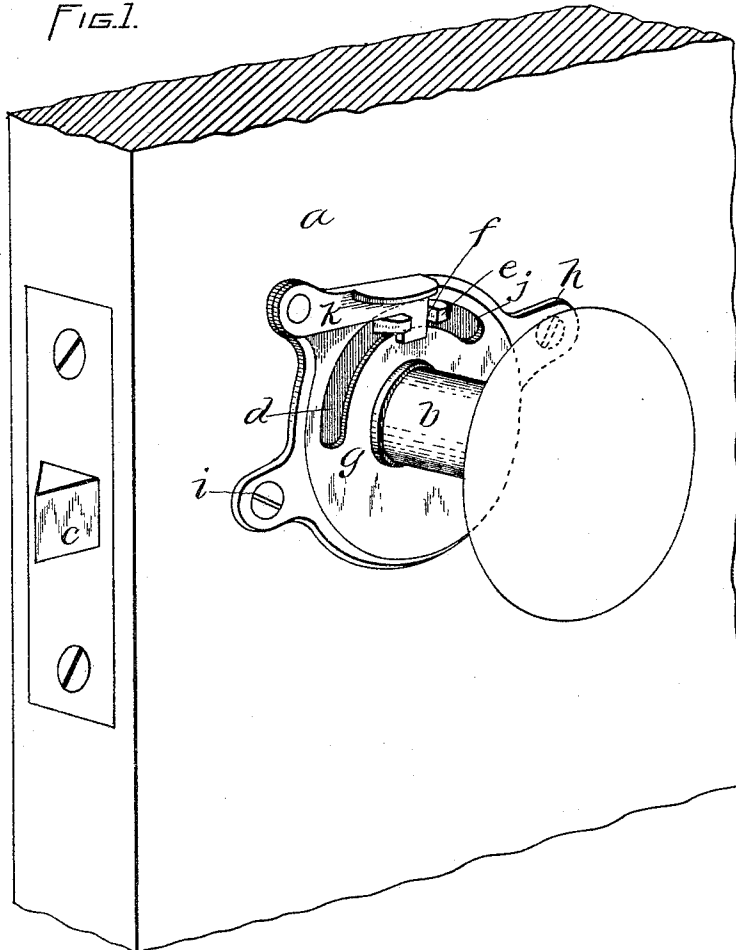
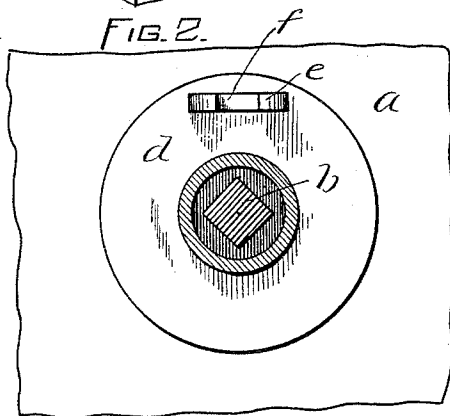


FIG. 2.



WITNESSES:
A. D. Harrison.
O. A. McShane.

INVENTOR:
Chas. F. Garland
By
Wm. Brown & Crossley.
Attys.

UNITED STATES PATENT OFFICE.

CHARLES F. GARLAND, OF CHELSEA, MASSACHUSETTS, ASSIGNOR TO ALICE
H. DAVIS, OF SAME PLACE.

KNOB-SPINDLE FASTENER.

SPECIFICATION forming part of Letters Patent No. 460,789, dated October 6, 1891.

Application filed February 16, 1891. Serial No. 381,692. (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. GARLAND, of Chelsea, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Locking Devices for Knob-Spindles, of which the following is a specification.

The invention relates to door-locks generally; and it is the object of the improvements made by me to provide a simple, non-pickable, and efficient means connected with the door or door-lock whereby the knob-spindle may be locked against turning and so secure the latch against operation by the knob or knob-spindle.

Reference is to be had to the annexed drawings and letters of reference marked thereon, forming a part of this specification, the same letters designating the same parts or features, as the case may be, wherever they occur.

Of the said drawings, Figure 1 is a perspective view of a portion of a door provided with a lock having my improvements connected therewith. Fig. 2 is a vertical sectional view.

In the drawings, *a* designates a door, which may be provided with a lock of any suitable character having a knob-spindle *b* for operating the latch *c*. As represented in Figs. 1 and 2, the spindle *b*, where it passes through the lock, is squared and engages a square hole formed in a plate *d*, which plate is arranged upon the inner face of the door *a*, so that when the spindle *b* is turned it may turn the plate to the same extent. The plate *b* is provided with an outwardly-projecting lug *e*, having a notch *f*.

g designates a rose or covering plate provided with peripheral lugs *h*, in which holes are formed to admit screws *i* for securing the plate to the face of the door. The rose-plate *g* is dish-shaped and is of greater diameter than the plate *d*, so that it may be placed over the latter plate and cover or hold it in place, but not so as to interfere with its rotation with the spindle *b*.

j designates a curved slot formed in the plate *g*, through which the notched lug *e* of plate *b* extends and operates.

k designates a latch, which, as is represented in Fig. 1, is pivoted upon the plate *g*, and so arranged that it may engage the notch *i* in lug *e* of plate *d* or be disengaged therefrom.

It will now be understood without further description that by lowering the latch *k*, so that its free end may engage the notched lug *e* of plate *d*, the spindle *b* will be securely locked against rotation by the knob, so that the latch *c* may not be operated thereby, and that by disengaging the latch *k* from the notched lug the spindle *b* may be turned to actuate the latch in common manner, it being understood that when the door-latch *c* is in its normal position the notched lug *e* of plate *d* will be in such position as to be engaged by the pivoted latch *k*.

Having thus explained the nature of my invention and described a way of constructing and using the same, though without attempting to describe all the forms in which it may be made, I declare that what I claim is—

The combination, with the knob-spindle, of the plate *d*, through which the said spindle passes and by which it is adapted to be turned, the said plate being provided with a notched lug *e*, the dish-shaped rose or covering plate provided with the curved slot *j*, through which the said notched lug extends, and the pivoted latch *k*, adapted to be engaged with and disengaged from the said notched lug, as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 12th day of February, A. D. 1891.

CHARLES F. GARLAND.

Witnesses:

ARTHUR W. CROSSLEY,
A. D. HARRISON.