

E. PARKER.
Knob-Latches.

No. 135,147.

Patented Jan. 21, 1873.

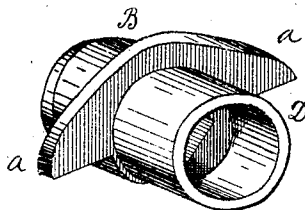


FIG. 3.

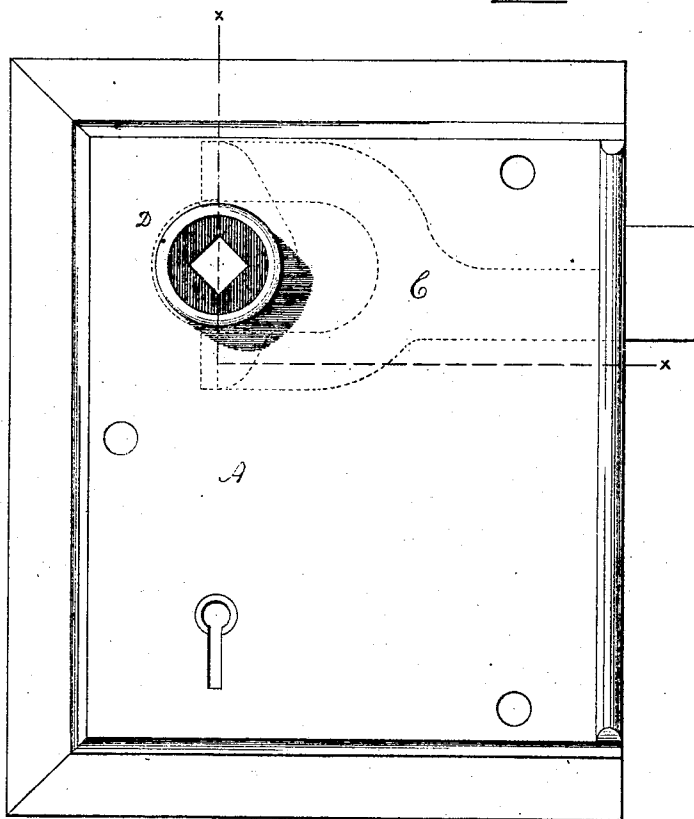


FIG. 1.

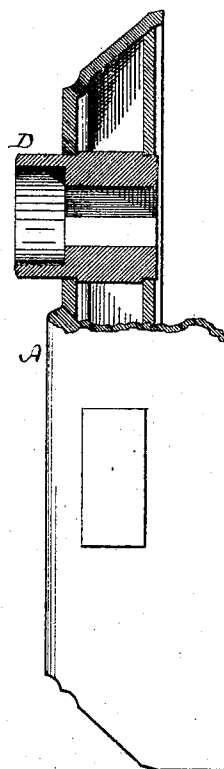


FIG. 2.

WITNESSES.

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EMERY PARKER, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO THE RUSSELL AND ERWIN MANUFACTURING COMPANY, OF SAME PLACE.

IMPROVEMENT IN KNOB-LATCHES.

Specification forming part of Letters Patent No. 135,147, dated January 21, 1873.

To all whom it may concern:

Be it known that I, EMERY PARKER, of New Britain, in the county of Hartford and State of Connecticut, have invented a new and useful Improvement in Rim-Locks; and I do hereby declare that the following specification, taken in connection with the drawing making a part of the same, is a full, clear, and exact description thereof.

Figure 1 is a side elevation. Fig. 2 is partly an end view and partly a view in section. Fig. 3 shows in perspective the special subject of improvement.

In "rim-locks," or those locks or latches which are placed upon the stile of the door instead of being set in a mortise therein, some provision is necessary to support and sustain the shank of the knob against the effect of lateral strains. If such support be cast upon the case of the lock it becomes a difficult matter, in locks of the higher style of finish, to finish up the cases properly without a considerable expenditure of labor. Especially is this true in the case of car-locks, which are ornamented with fancy designs in relief.

My invention resides in casting or otherwise securing a supporting-collar for the knob-shank upon the hub or "follower," which shall, when the hub is in place in the case, project beyond the outer face of the case sufficiently far to receive and support the knob-shank, whereby I am enabled to dress off the case by planing, grinding, or other mechanical means, with a comparatively trifling expense to that which

would be necessary if the supporting-collar formed a part of the case itself.

A, Figs. 1 and 2, represents one of the many forms of rim-lock cases. B, Fig. 3, is the hub or follower, provided with arms *a a* for operating the horseshoe-plate C, shown in dotted lines at Fig. 1. I make this hub with a collar, D, which is intended to pass through a cylindrical hole or journal-bearing for the hub in the face-wall of the case. The length of this collar is sufficient to extend beyond the face of the case the requisite distance to give the necessary support to the shank of the knob; and the interior diameter of the collar is of the size which is proper to nicely receive the shank. The opposite end of the hub is entered in the journal-bearing in the inner wall, as seen at Fig. 2, in the same way.

It is obvious that before the parts of the lock or latch are assembled the face of the case can be dressed off with entire facility by the usual machine-tools.

What I claim as my invention, and desire to secure by Letters Patent, is—

That improvement in "rim-locks" which consists in constructing the hub or follower B with a shank-support, D, for the knob and combining the same with the lock-case A, substantially as described, for the purposes specified.

EMERY PARKER.

Witnesses:

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