No. 806,854. PATENTED DEC. 12, 1905.

H. G. VOIGHT.

KNOB FOR LOCKS AND LATCHES.

APPLICATION FILED FEB. 16, 1905.

Fig. 1.

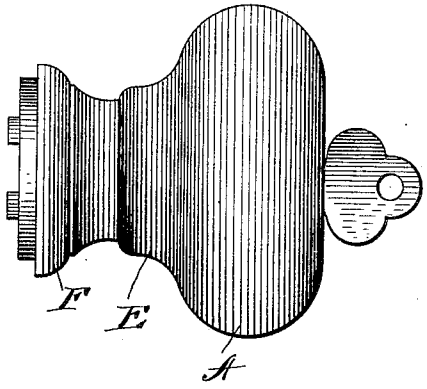


Fig. 2.

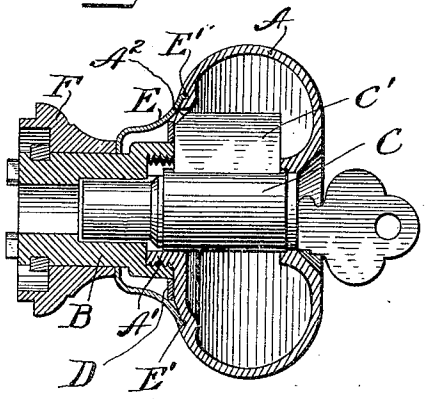


Fig. 3.

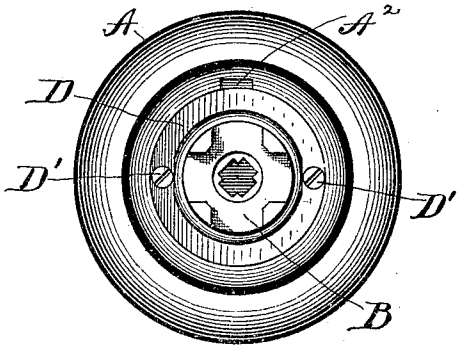
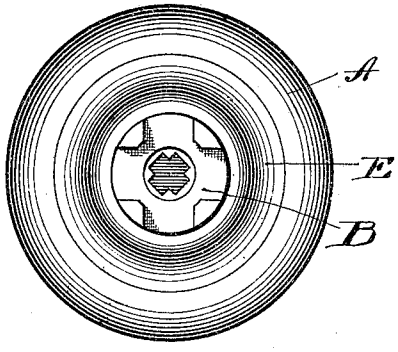


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

HENRY G. VOIGHT, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO THE RUSSELL & ERWIN MANUFACTURING COMPANY, OF NEW BRITAIN, CONNECTICUT, A CORPORATION OF CONNECTICUT.

KNOB FOR LOCKS AND LATCHES.

No. 806,854. Specification of Letters Patent. Patented Dec. 12, 1905.

Application filed February 16, 1905. Serial No. 245,808.

To all whom it may concern:

Be it known that I, HENRY G. VOIGHT, a citizen of the United States, residing at New Britain, Connecticut, have invented certain new and useful Improvements in Knobs for Locks and Latches, of which the following is a full, clear, and exact description.

My invention relates to a knob, and is essentially an improvement upon the knob made the subject-matter of United States Letters Patent No. 768,833, dated August 30, 1904, granted to me as assignor to The Russell & Erwin Manufacturing Company.

The main object of this invention is to improve the construction by rendering it more safe and secure.

This invention is of particular utility in connection with a knob provided with an internal lock and with a finishing piece or rose to cover and protect that part of the knob through which the lock is inserted.

Figure 1 is a side elevation. Fig. 2 is a longitudinal section. Fig. 3 is an end elevation with the knob-rose and escutcheon-rose removed. Fig. 4 is a view similar to Fig. 3, with the knob-rose in place.

In the preferred form, A is the hollow body or grip portion of the knob.

B is a tubular knob-shank, secured to the neck A′ of the knob.

There is a central passage through the body A, and in the particular form shown one side of one of the apertures forming said passage is cut away, as indicated at A^2, to afford a clearance-passage for an offset portion of a lock C, the offset portion being indicated at C′.

D is a plate held by a suitable screw or screws D′ against the inner face of the knob-shell A and provided to aid in securing the lock C in place. In the particular form shown in the drawings, the plate D locks the shank B, while the latter in turn holds the lock C in place.

E is what I may term a "knob-rose plate," the same being of ornamental contour, having a central passage for the shank B, while its outer edge is flared and covers or overstands the plate D and the aperture A^2, thus giving to the knob a handsome finished appearance.

F is the usual rose-plate, such as is secured to an escutcheon or against the side of a door to which the knob is to be applied.

Thus far described the construction comprises such parts as are found in my aforesaid patent; but the present case differs therefrom in that the knob-body A is constructed to receive the cover or knob-rose E in such a manner that it cannot be pried off or injured. Obviously if this plate E could be pried off access would be had to the plate D, whereupon the screws D′ could be removed and the knob-shell removed or unscrewed from the shank.

Upon referring to Figs. 2 and 3 it will be seen that I form a groove or recess in the inner end of the knob-shell of a suitable size and shape to receive the outer edge of the knob-rose E, which latter in its preferred form is turned down to form the annular bead or flange E′. The depth of the recess is preferably sufficient to cause the exposed surface of the rose E to lie flush with the surface of the knob-body A. The consequence is it prevents absolutely the introduction of a chisel or other tool under the edge of the said rose-plate, by which the latter might be pried out. By this simple arrangement I not only render the lock far more secure, but, as will be observed, the contour of the knob is rendered more harmonious. It matters not what the particular construction is so long as that portion of the knob-body A directly adjacent to the edge of the rose E covers and protects the same against said aforesaid improper use.

What I claim is—

1. In a knob, a hollow body or grip portion, a central passage into said knob-body arranged to receive a lock, a covering or finishing plate arranged to overstand the passage through which said lock is introduced, and a recess in said knob to receive and protect the edge of said plate.

2. In a knob, a body or grip portion, a shank projecting therefrom, a rose-plate surrounding said shank and arranged to bear against said grip portion, the edge of said rose being flanged, and a recess in said grip portion to receive the flanged edge of said rose-plate.

Signed at New Britain, Connecticut, this 14th day of February, 1905.

HENRY G. VOIGHT.

Witnesses:
M. S. WIARD,
C. E. RUSSELL.