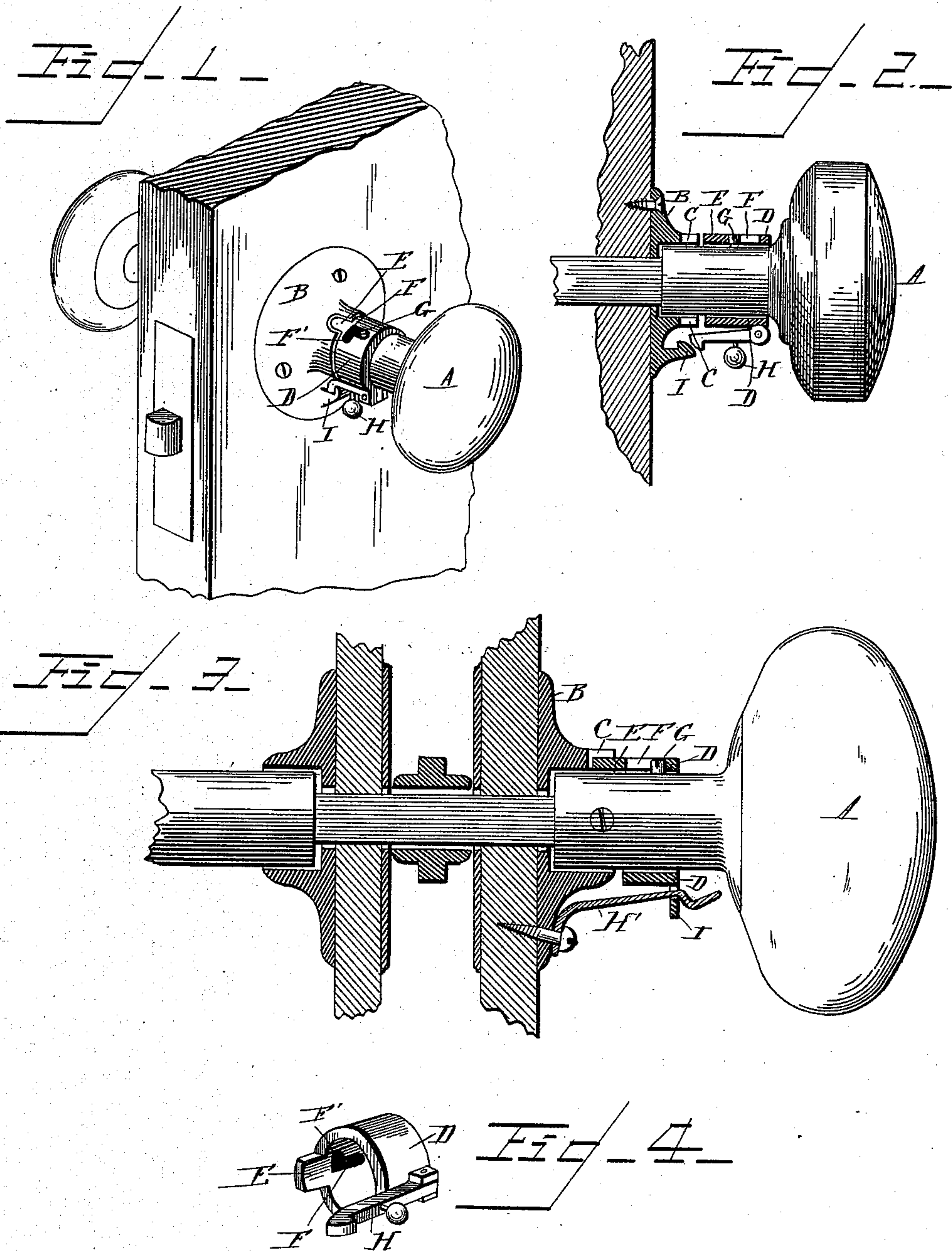


(No Model.)

E. HAMBUJER.
LOCKING DEVICE FOR DOOR KNOBS.

No. 413,826.

Patented Oct. 29, 1889.



Witnesses
Am. T. Robertson
Thomas Ernest

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UNITED STATES PATENT OFFICE.

EPHRAIM HAMBUJER, OF DETROIT, MICHIGAN, ASSIGNOR OF ONE-HALF TO
ROBERT STEWART, JR., OF SAME PLACE.

LOCKING DEVICE FOR DOOR-KNOBS.

SPECIFICATION forming part of Letters Patent No. 413,826, dated October 29, 1889.

Application filed March 13, 1889. Serial No. 303,185. (No model.)

To all whom it may concern:

Be it known that I, EPHRAIM HAMBUJER, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Locking Devices for Door-Knobs, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a new and useful improvement in a combined door knob and lock; and the invention consists in the construction and arrangement of different parts, all as more fully hereinafter described, and then definitely claimed in the accompanying drawings.

Figure 1 is a perspective view of a door-knob provided with my improved lock. Fig. 2 is a vertical central longitudinal section thereof. Fig. 3 is a similar section with the parts of a modified construction. Fig. 4 is a detached perspective view of the sliding sleeve.

A is one of the two door-knobs of a door-lock. B is the rose in which this knob engages. C is a notch formed in the cup of the rose. D is a sliding sleeve on the shank of the knob. E is a projecting tongue on the sleeve adapted to engage into the notch C of the rose. F is a slot in the sleeve, and G is a projecting pin or screw-head on the shank of the knob engaging into the slot F of the sleeve.

In practice, the parts being constructed as described and shown, they are intended to operate as follows:

The sleeve D slides on the shank, and, by pushing it toward the rose, engages with its tongue into the notch C of the rose, and thereby prevents the door-knob from being turned, thus preventing the door from being opened; but when the sleeve is drawn back upon the shank the knob is again released and operates in the usual manner. To prevent the accidental displacement of the sleeve when it is not to be used, the slot F is provided with an offset F', for the purpose of preventing the sleeve from sliding on the shank by engaging the pin or screw-head G into said offset.

My device can be readily constructed as an attachment to all kinds of door-locks, provided with a latch operated by the ordi-

nary door-knobs. It dispenses entirely with the use of a key to lock the door on the inside. It is so simple that its operation is readily understood, and, further, it is secure. The only means for unlocking it surreptitiously from the outside would be to remove the outside door-knob and push the spindle back sufficiently to disengage the locking-sleeve from the rose. To prevent this being done, I preferably provide a safety-catch, such as shown in Figs. 2 and 4, or as shown in Fig. 3. The former construction consists of a latch or dog H, attached to the sliding sleeve, and a suitable keeper or hook I, secured to the rose, all so arranged that in pushing the sleeve into its locking position the dog H engages with the keeper. By using a gravity-dog and applying it on the under side of the shank it operates automatically in closing and in opening. The disengaging of the dog from the keeper is accomplished by taking hold of the sleeve, as in the natural manner required to withdraw the sleeve.

In the modification shown in Fig. 3 the dog H' is secured to the rose and the keeper I' to the sliding sleeve. It is obvious that instead of a gravity-dog a spring-dog, as shown in Fig. 3, may be used.

What I claim as my invention is—

1. In a combined door knob and lock, the combination, with the shank of the knob, of the sliding sleeve D, provided with the tongue E, the longitudinal slot F, provided with the offset F', the pin or screw G on the shank of the knob engaging into said slot, and the notch C, formed on the cup of the rose, substantially as described.

2. In a combined door knob and lock, the combination of the sleeve slidingly secured on the shank of the knob and provided with a projecting tongue, and a notch formed on the rose, into which said tongue is adapted to engage, and a latch or dog and a keeper independent of said tongue and respectively attached to the sliding sleeve and the rose, substantially as described.

In testimony whereof I affix my signature, in presence of two witnesses, this 6th day of March, 1889.

EPHRAIM HAMBUJER.

Witnesses:

J. PAUL MAYER,
P. M. HULBERT.