

(Model.)

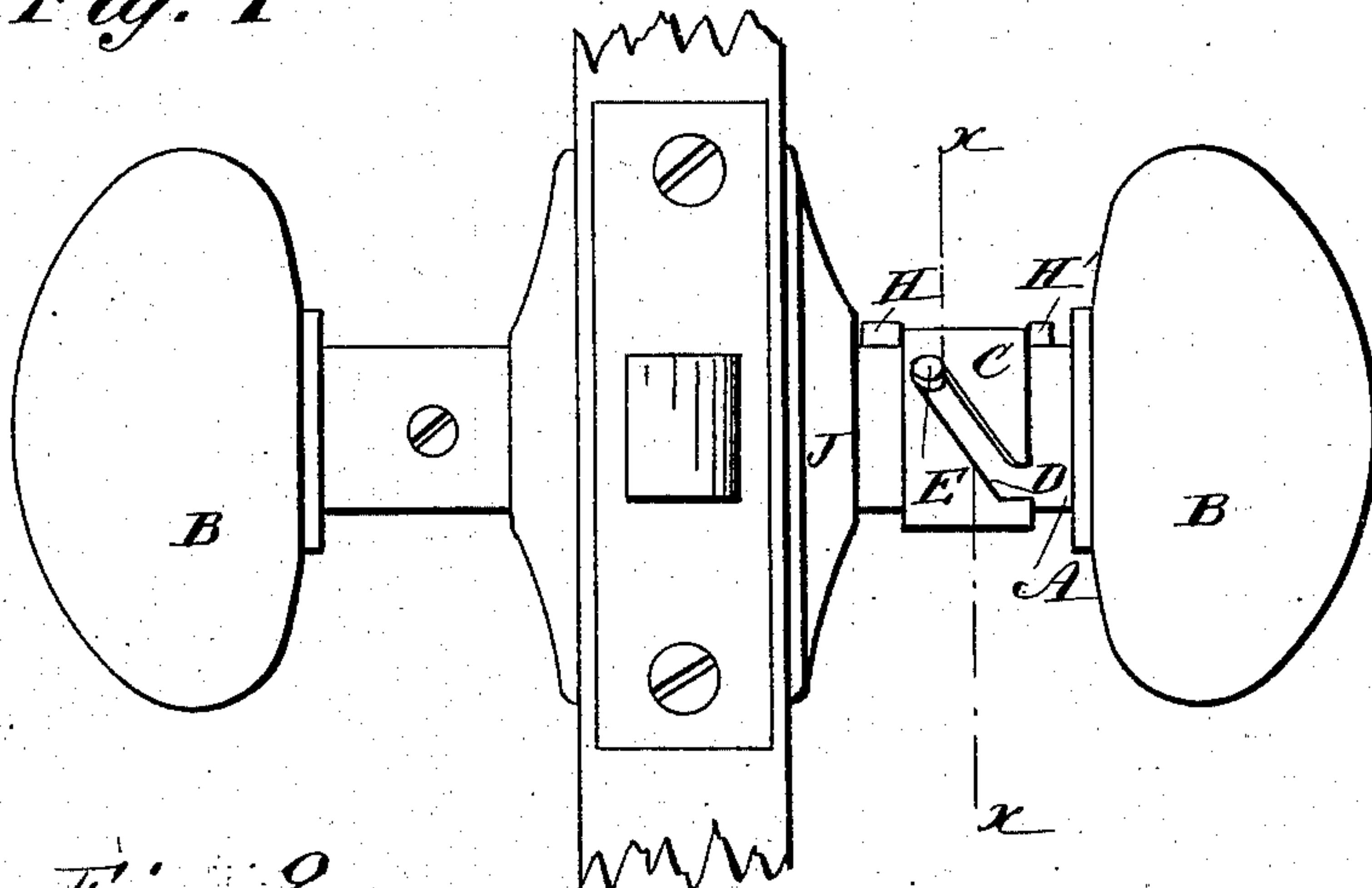
LE GRAND TERRY.

KNOB LOCK.

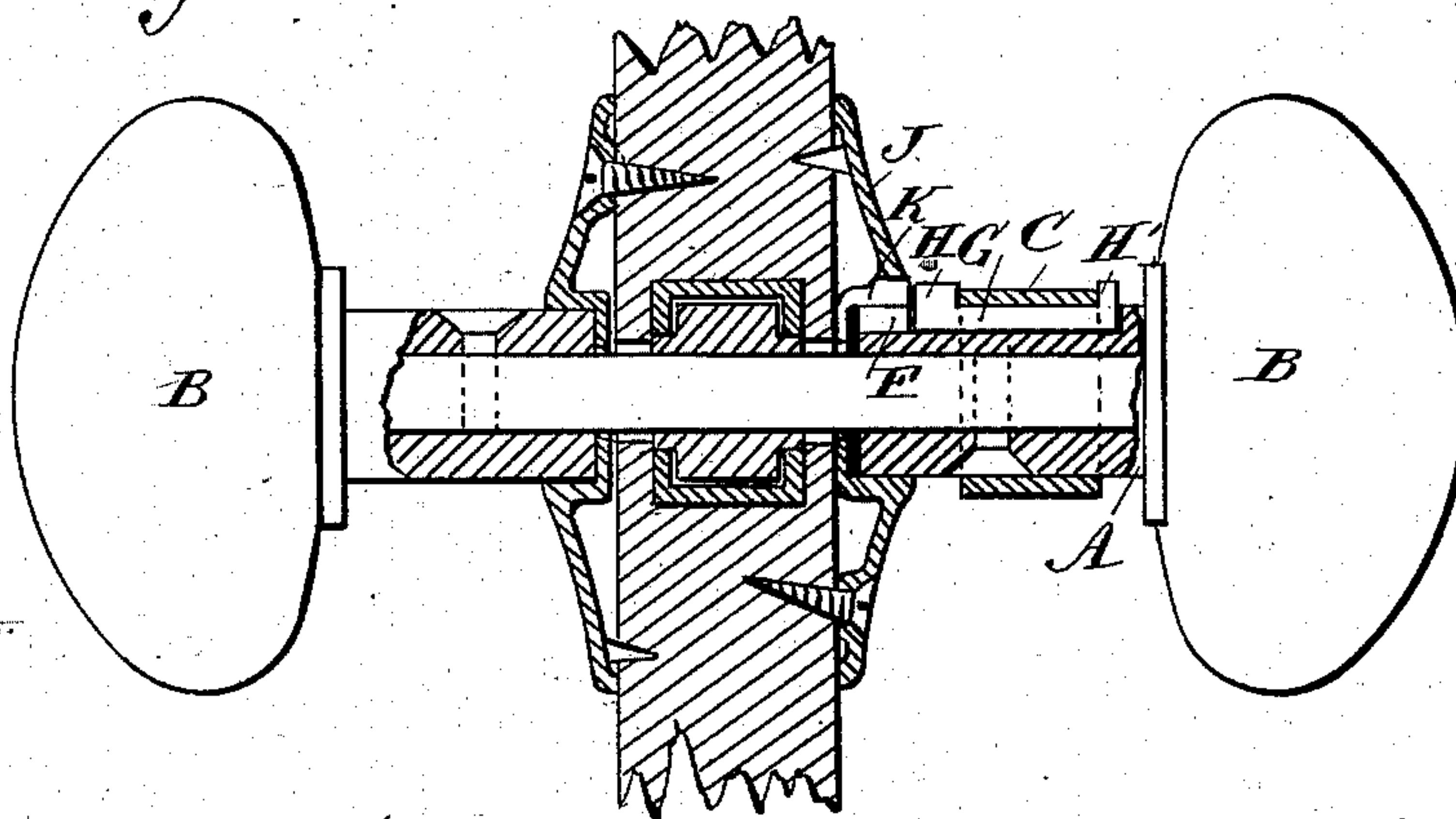
No. 288,512.

Patented Nov. 13, 1883.

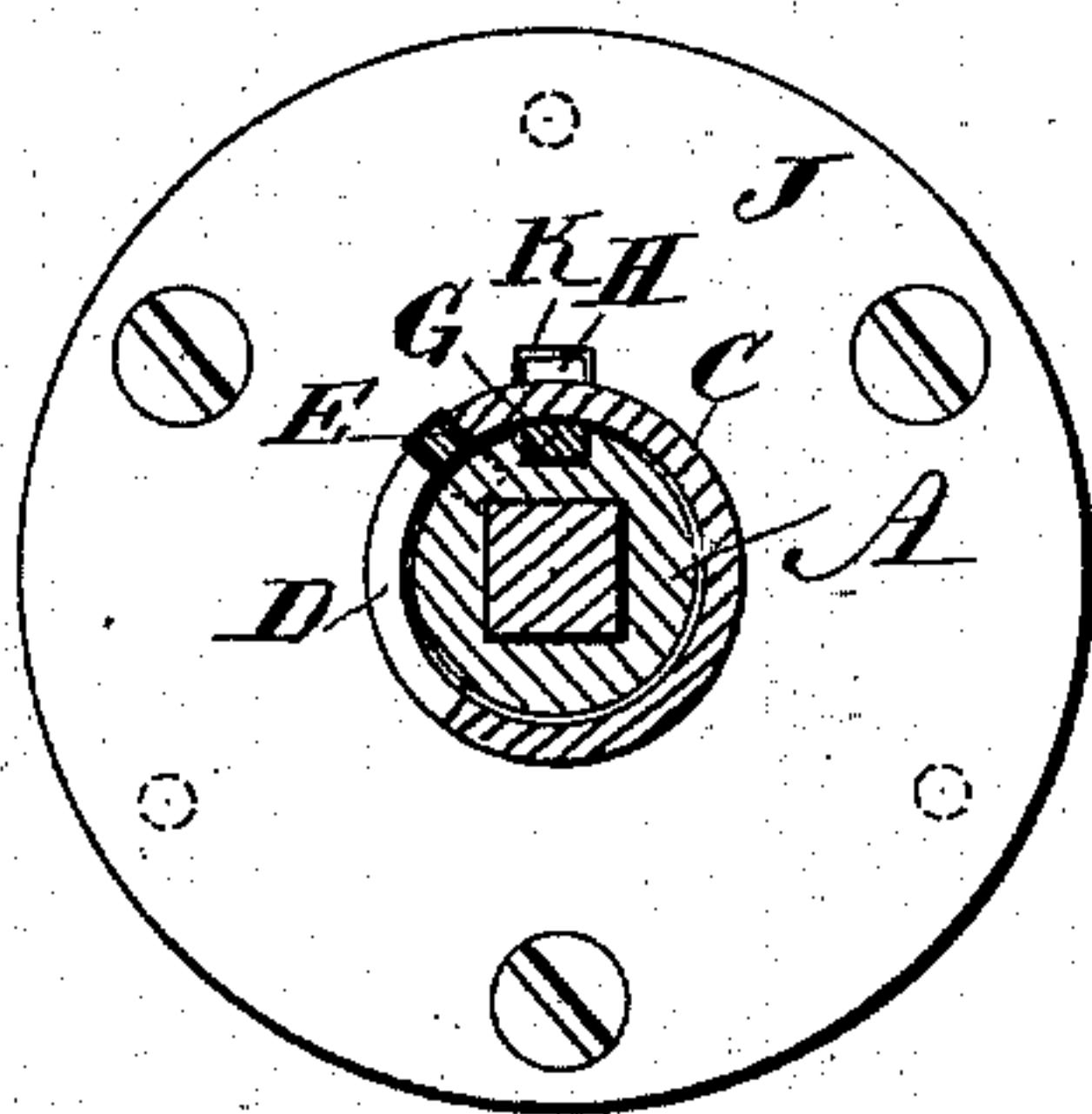
*Fig. 1*



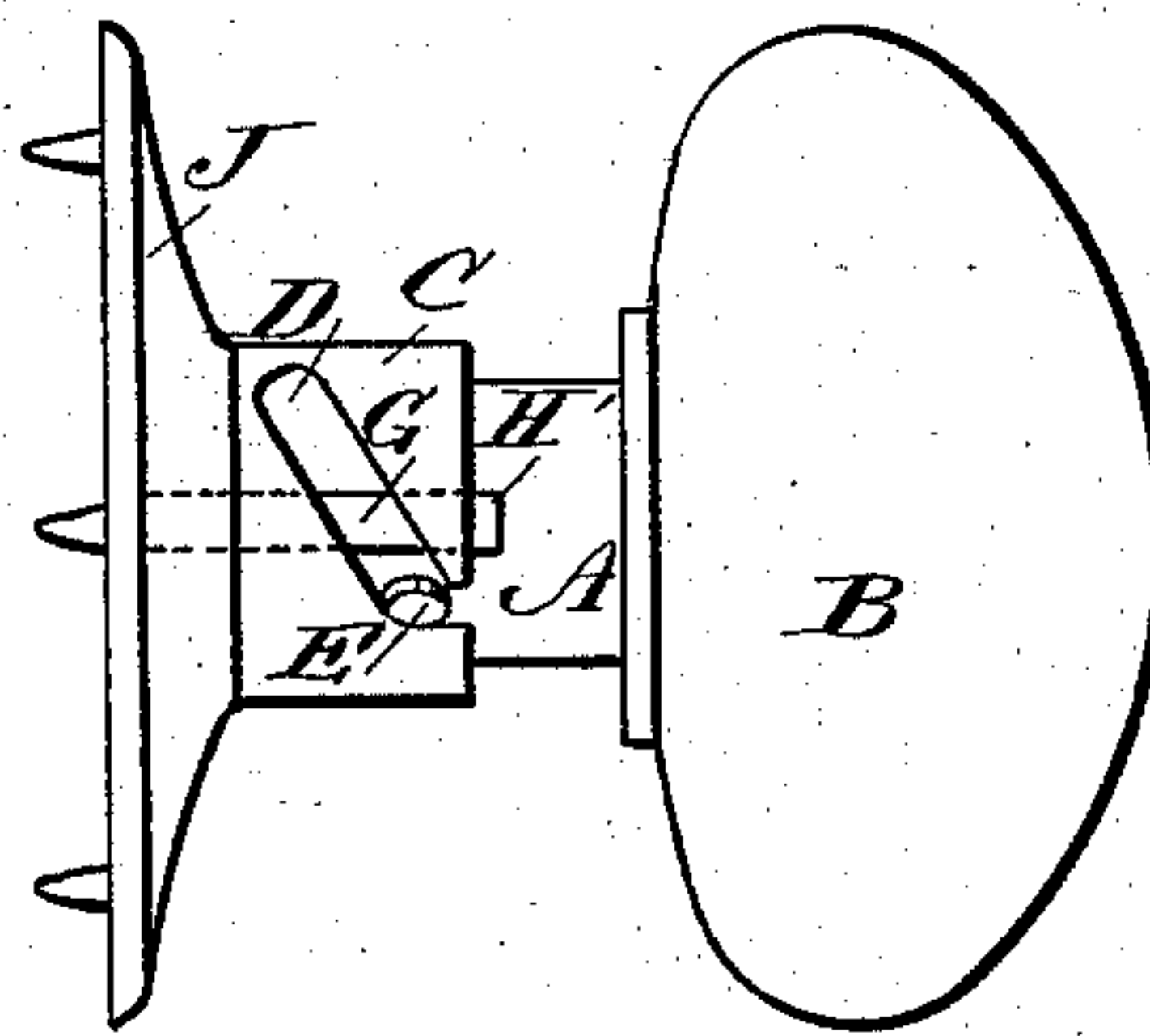
*Fig. 2*



*Fig. 3*



*Fig. 4*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

LE GRAND TERRY, OF HORSEHEADS, NEW YORK.

## KNOB-LOCK.

SPECIFICATION forming part of Letters Patent No. 288,512, dated November 13, 1883.

Application filed September 15, 1883. (Model.)

*To all whom it may concern:*

Be it known that I, LE GRAND TERRY, of Horseheads, Chemung county, New York, have invented a new and Improved Knob-Lock, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved door-knob which can be locked so that it cannot be turned, and thus locks the door.

The invention consists in the combination, with a door-knob shaft, of a key sliding in a groove in the knob-shaft, and adapted to be moved longitudinally by a sleeve provided with a diagonal slot, into which a stud on the knob-shaft passes, whereby by turning the sleeve the sliding key can be passed into a notch in the knob ring or rose of the lock, or can be withdrawn by turning the sleeve in the inverse direction.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is an end elevation of a door-latch having my improved knob-lock on the shaft or spindle, the spindle being shown unlocked. Fig. 2 is a sectional view of the same. Fig. 3 is a cross-sectional view of the same on the line *x x*, Fig. 1. Fig. 4 is a side view of one of the knobs, showing the position of the parts when the knob is locked.

On the knob-shaft A of that knob B on the inside of the door a sleeve, C, is loosely mounted, and is provided with a diagonal or spiral slot, D, into which a pin or stud, E, projects from the shaft. The shaft A is provided with

a longitudinal groove, F, in which a sliding key, G, is held, which is provided at the ends with upwardly-projecting lugs or bits H H', one resting against each end of the sleeve C. The rose J, through which the lock-spindle passes, is provided with a notch, K, for receiving the bit H of the sliding key G. If the knob is to remain unlocked, the sleeve C is turned until the stud E is at the inner end of the slot D, whereby the sleeve will be drawn toward the outer end of the knob-shaft, and the bit H will be withdrawn from the notch K. The knob and its spindle can then be turned. If the knob is to be locked, the sleeve C is turned until the stud E is at the outer end of the slot D, whereby the sleeve C will be moved toward the inner end of the knob-shaft, and the bit H will be pushed into the notch K, thus preventing the knob from being turned.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination, with a knob-shaft, of a sliding key, a sleeve mounted to turn on the knob-shaft, and provided with a diagonal slot for receiving a stud projecting from the knob-shaft, and a notched escutcheon, substantially as herein shown and described.

2. The combination, with a knob-shaft having a longitudinal groove, F, and a stud, E, of the sliding key G, having bits H H', the sleeve C, having a diagonal slot, D, and the rose J, provided with a notch, K, substantially as herein shown and described.

LE GRAND TERRY.

Witnesses:

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