

(Model.)

J. F. DINGEE.
WINDOW OR DOOR BUTTON.

No. 462,474.

Patented Nov. 3, 1891.

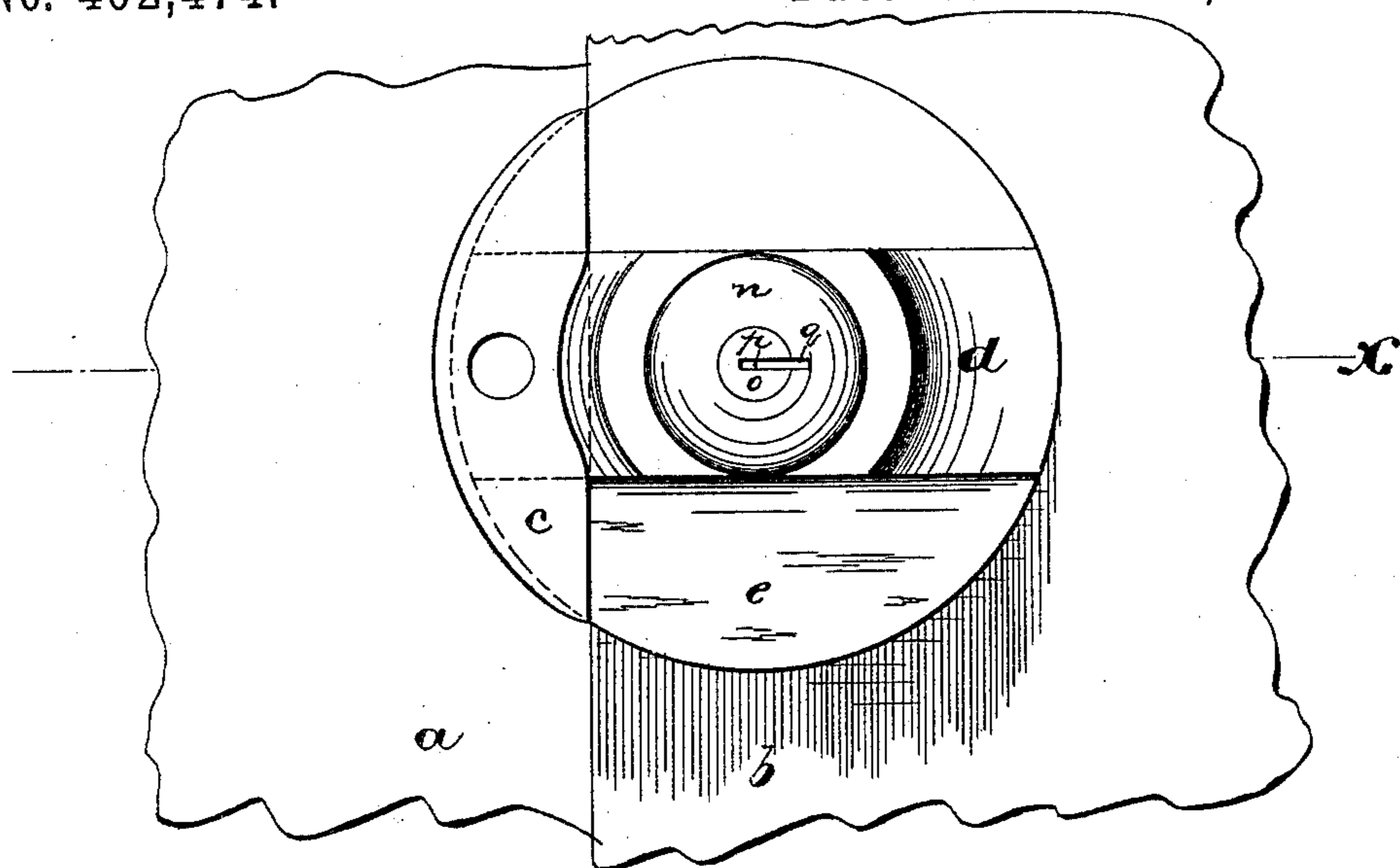


Fig. 1.

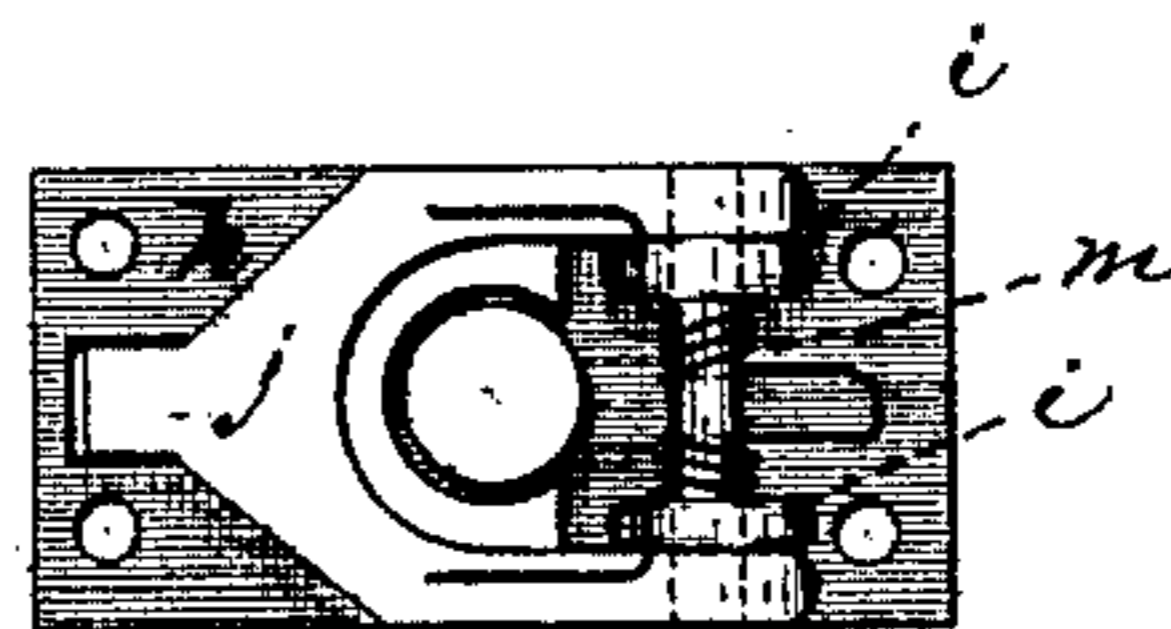


Fig. 3.

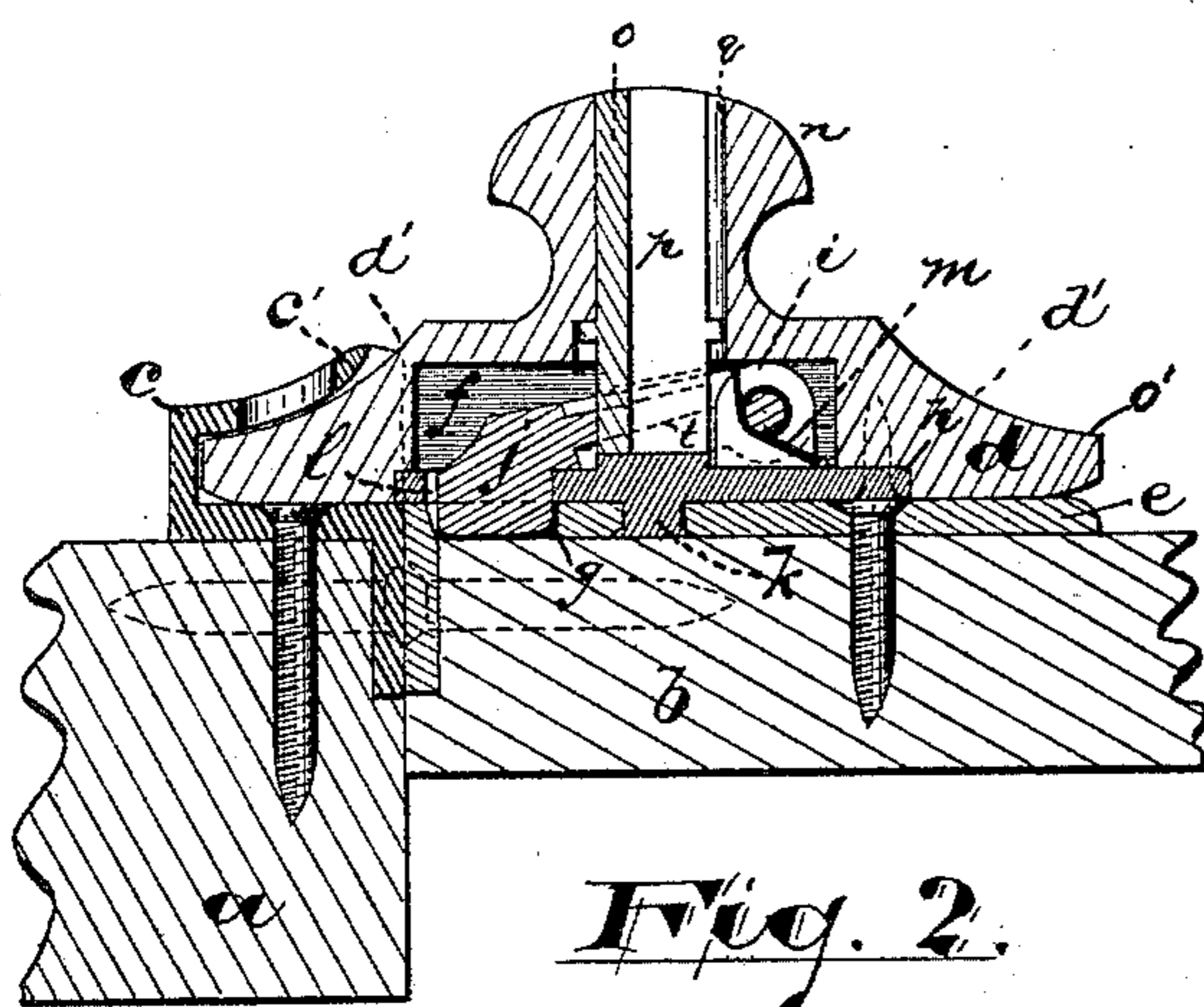


Fig. 2.

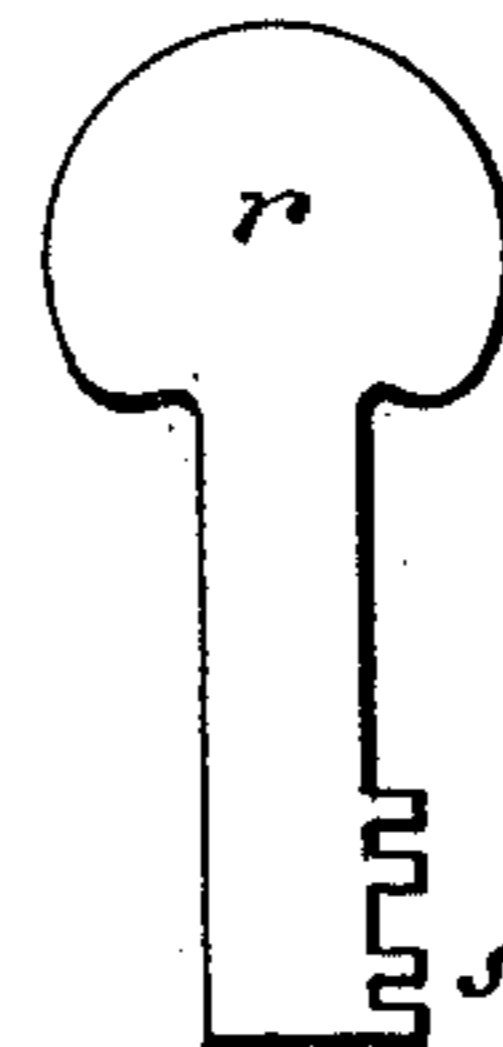


Fig. 4.

Witnesses

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WINDOW OR DOOR BUTTON.

SPECIFICATION forming part of Letters Patent No. 462,474, dated November 3, 1891.

Application filed May 23, 1891. Serial No. 393,814. (Model.)

To all whom it may concern:

Be it known that I, JOHN F. DINGEE, a citizen of the United States, residing at Bedford Station, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Locks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to certain improvements in turn-buttons for doors, gates, shutters, &c., by means of which the button may be locked and thus held from being turned from its holding relation with the co-operating catch.

The invention consists in the improved locking turn-button for doors, gates, shutters, and the like, and in the arrangements and combinations of parts, substantially as will be hereinafter set forth, and finally embodied in the clauses of the claim.

Referring to the accompanying drawings, in which like letters indicate corresponding parts in each of the figures, Figure 1 is a front elevation of portions of a door and door frame, jamb, or post to which my improved devices have been applied. Fig. 2 is a sectional view of the same, taken at line *x*. Fig. 3 is a detail plan of a certain locking mechanism, viewed from the back; and Fig. 4 is a detail of a key which may be employed for unlocking the turn-button.

In said drawings, *a* indicates the frame or door post or jamb; *b*, the door, gate, or shutter, and *c* the nosing of the catch; *d*, the turn-button, and *e* the bed-plate on which the button is secured and has its pivotal bearings. The nosing is preferably inclined on the under side, as at *c'*, and the button is correspondingly inclined, as at *d'*, so that when the said button is turned into engagement with said nosing there will be a wedging action, which will bring the door into proper relation to the jamb, even though the former be warped, all as will be understood. On the under side of the button the same is hollowed out or cham-

bered, as at *f*, and the plate *e* is provided with a notch *g* beneath the button when the latter is in its locked position. The chamber *f* is closed by a plate *h*, which on its inner side provides bearings *i* for a pawl or dog *j*, and on its outer or lower side is provided with a pivotal lug *k*, by which the plate and the button carried thereby are secured to the bed-plate *e*, as will be understood upon reference to Fig. 2. The plate *h* is secured to the under side of the button by screws or other appropriate means, and is provided with an opening *l* for the dog or pawl *j*, which coincides with the notch or recess *g* in the bed-plate, so that when the button is turned pivotally the dog may drop into the said notch or recess and thus hold the button from further turning, the button thus being locked. The dropping of the pawl is automatic and is occasioned by a spring *m* of any appropriate construction.

Within the handle *n* of the button, or at the center of the button, the same is perforated and grooved to receive a slotted key-cylinder *o*, the slot *p* therein being adapted to coincide with the groove *q* of the button to allow the insertion of a key *r*, Fig. 4. By turning the key the bits *s* thereon engage an inclined bearing *t* on the pawl or dog *j*, and thus raise the latter from holding engagement with the plate *e*, unlocking the button, so that it may be turned pivotally from engagement with the nosing.

In operating the device the slotted cylinder is turned with the end of the key or otherwise until the slot therein is brought into coincidence with the groove, when the key is fully inserted into the lock, so that when it is turned pivotally with the cylinder the bit *s* engages the inclined side or bearing of the dog or pawl and raises its catching or locking end from the recess *g*, so that the button may then be turned by the hand from engagement with the nosing.

By employing the end *o'* of the button to engage the nosing the same may be turned back and forth without danger of locking. When the opposite end is employed, the catch will drop into engagement with the bed-plate automatically, unless held by the key, whenever the recess *g* is in coincidence therewith.

Having thus described the invention, what I claim as new is—

1. The improved turn-button herein described, having its opposite ends inclined to engage the nosing and provided with a lock adapted to be operated by a key to prevent the turning of said button, substantially as set forth.

2. In combination with the plate *e* and nosing *c*, a turn-button centrally pivoted on said plate and having oppositely-projecting ends adapted to engage the nosing, and a lock operating to prevent the button from turning when one of said ends is in engagement with the nosing, substantially as set forth.

3. In combination with the plate *e* and nosing, a turn-button provided with a central handle and oppositely-projecting ends, a lock at the rear of said turn-button, and a key-

hole extending through said handle to said lock, substantially as and for the purposes set forth.

4. In combination, a plate *e*, providing pivotal bearings, a turn-button hollowed out on the under or rear side, a plate *f*, closing the chamber in said button, secured to said button and pivoted on said plate *e*, a key-cylinder, and a spring-actuated dog, all said parts being arranged and operating substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 11th day of May, 1891.

JOHN F. DINGEE.

Witnesses:

TIMOTHY C. ADAMS,
WILLIAM N. HARRIS.