

C. F. LINK.
DOOR HOLDER.
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964,283.

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Fig. 1.

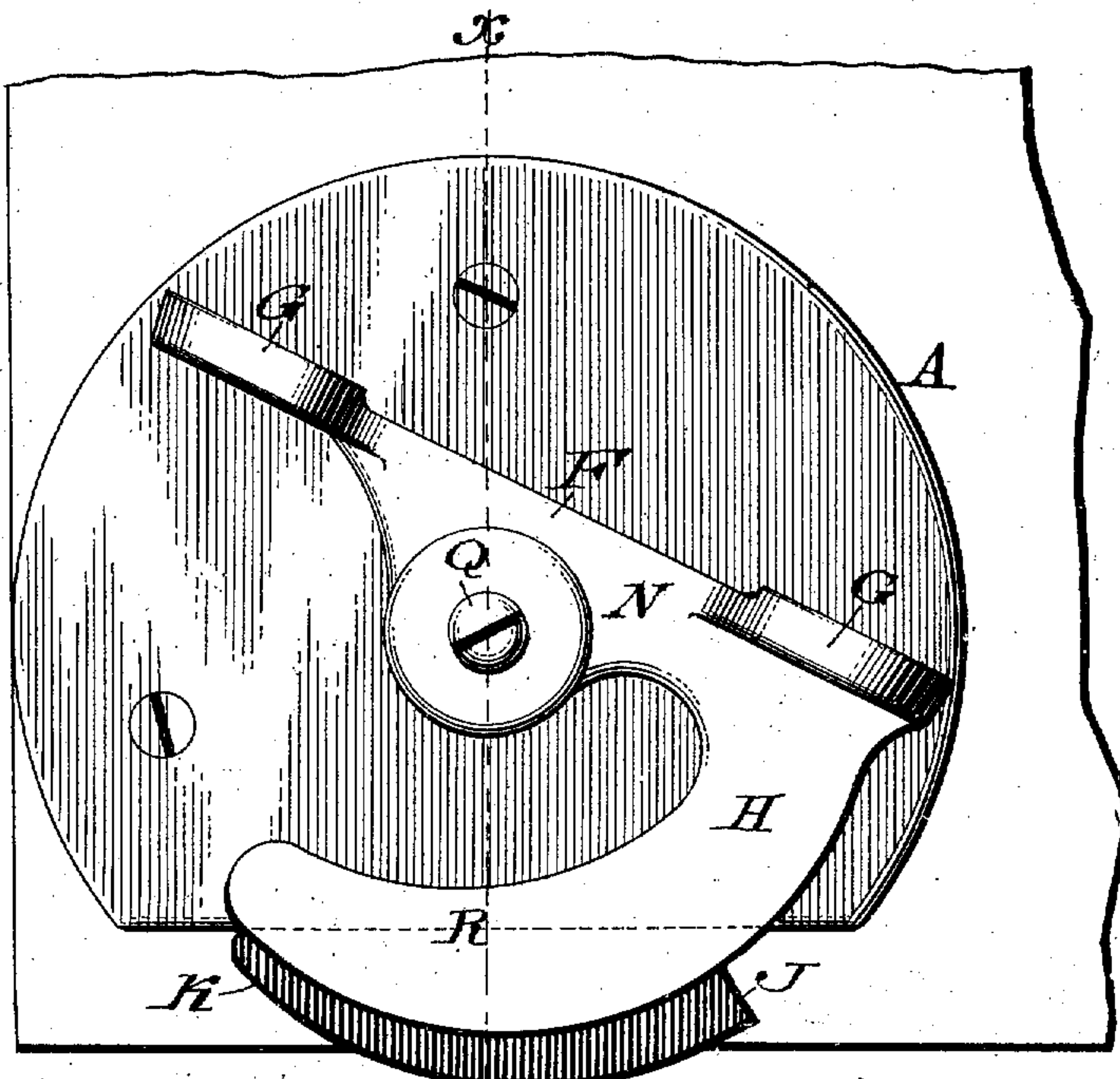


Fig. 2.

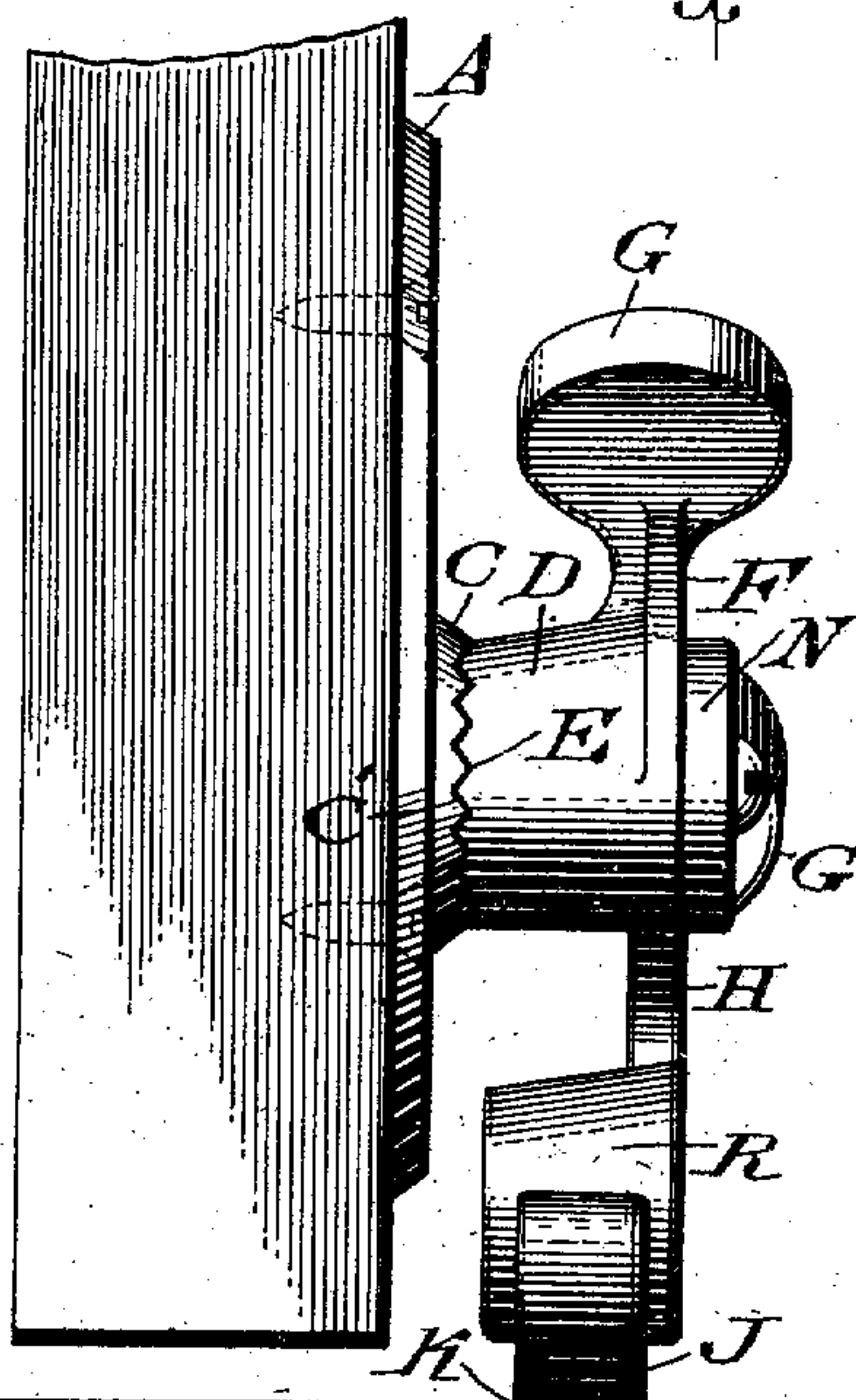
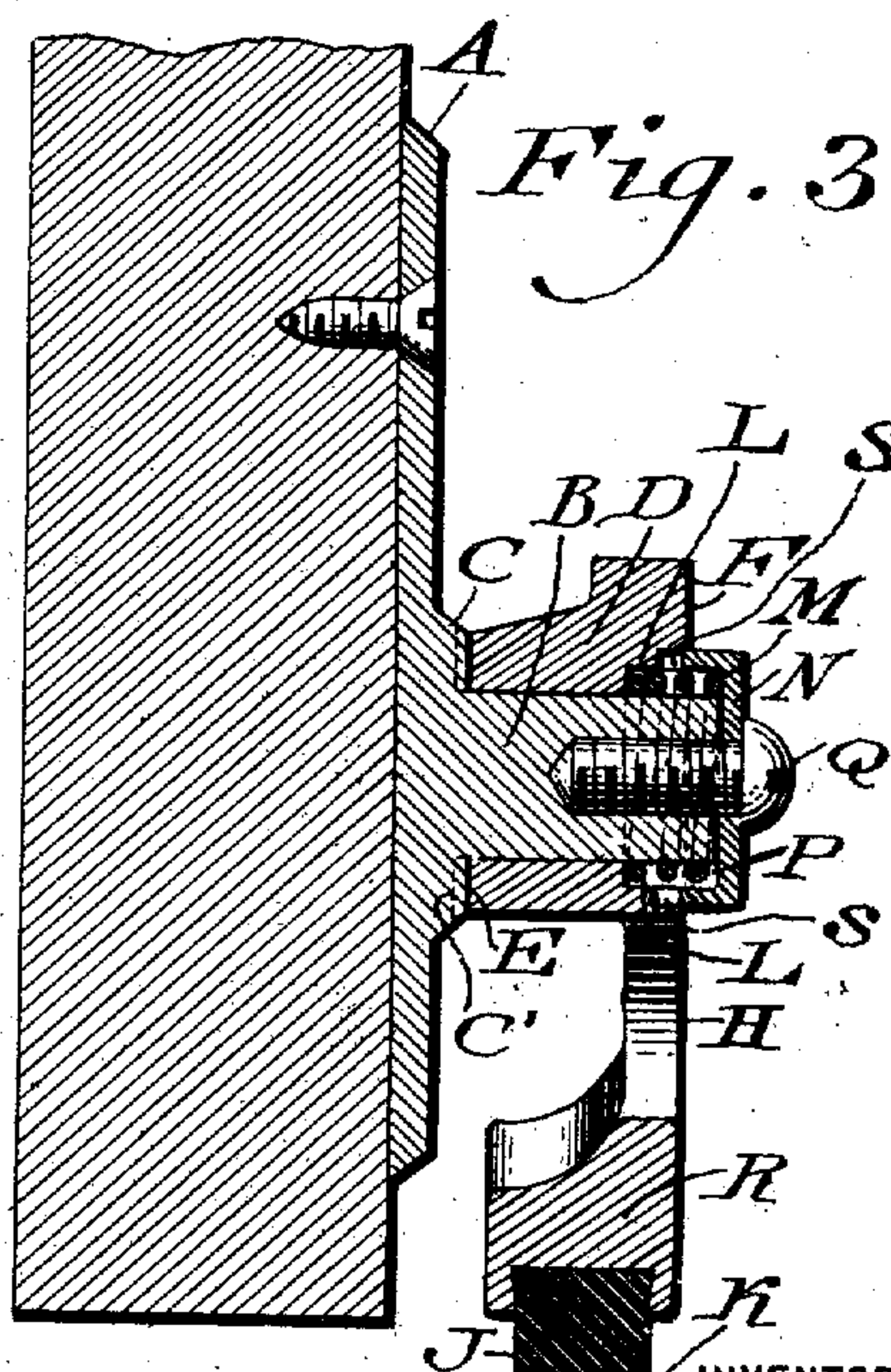


Fig. 3.



WITNESSES

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DOOR-HOLDER.

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To all whom it may concern:

Be it known that I, CHARLES F. LINK, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Door-Holder, of which the following is a specification.

My invention consists of a door holder or check formed of a novel construction and combination of parts as will be hereinafter described and pointed out in the claims.

For the purpose of explaining my invention, the accompanying drawing illustrates a satisfactory reduction of the same to practice, but the important instrumentalities thereof may be varied, and so it is to be understood that the invention is not limited to the specific arrangement and organization shown and described.

Figure 1 represents a front elevation of a door holder embodying my invention. Fig. 2 represents a side elevation thereof. Fig. 3 represents a vertical section on line $x-x$ Fig. 1.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings:—A designates an attaching plate and B designates a post or axle which projects laterally from said plate and has at the base thereof the rim C, whose outer face has thereon the serration or ratchet C'.

D designates a boss which is rotatably fitted on the axle B and has its inner end formed with a serration or ratchet E, which freely engages with the ratchet C'.

Connected with the boss D is the lever F whose opposite ends are provided with the foot rests G. Depending from one end of said lever is the segmental arm H to whose under side is secured the floor-contact piece J, whose lower face K is a curve eccentric to the lever F, said piece being formed of soft rubber or other suitable frictional material. The boss D forms a hub for the lever F adapting the latter to rotate on the post B, whereby the arm H may be lowered so as to place the piece J in contact with a floor, its operative position, and thus hold or check a door to which the device is applied, or by which said arm may be raised, whereby the door may be opened and closed without the interference of the device as usual.

In the fore part of the boss or hub D surrounding the bore thereof is the chamber L in which is fitted a portion of the spring M, which is also engaged by the cap N, whose inner face is recessed forming the chamber P, to contain the other portion of said spring, said cap being connectible with the post B by the screw Q, which passes through said cap into said post and serves also to adjust the tension of the spring, the object of the latter being to hold the ratchets C' E in frictional contact, so that they may retain the piece J in the position in which it is set, but allow the ratchet E to move out from or ride over the ratchet C', when the lever F is turned in either direction.

The lower end of the arm H is extended laterally or widened forming the broad base R for the piece J which is fastened thereto. The operation is as follows:—When a door is to be held, the foot is placed on the right hand rest G and pressed downwardly whereby as the lever F turns and the arm H lowers therewith the piece J is placed in contact with the floor and the face K of said piece wedges with the same, thus holding the door and preventing it from closing or moving from the position in which it is placed. When the door is to be released, the foot is placed on the left hand rest G and pressed downwardly whereby the lever F turns and the arm H raises therewith, the piece J moving back thus clearing the floor and being held above the same so that the door may be closed and opened without being controlled by the device. The outer end of the boss or hub D has an annular chamber S which is of greater diameter than the chamber L in order to freely receive the rim of the cap N, so that the said boss or hub may move freely over said rim as its ratchet E rides over the ratchet C' in the turning motion of said boss due to the lever E and either of the foot rests G, while said chambers S L are covered by said cap preventing the entrance of dust and dirt thereinto.

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

1. In a holder or check of the character stated, a lever, a hub thereon, an arm pendant from said lever, a friction piece on the underside of said arm, a chamber around the bore of said hub, a post on which said

hub is rotatably mounted, an attaching plate for said post, a cap on the exterior of said hub, a chamber on the interior of said cap, a spring interposed between said hub and cap and occupying the chambers thereof, and means for securing said cap to said post and adjusting the tension of said spring.

2. In a holder or check of the character stated, a lever, a hub thereon, an arm pendent from said lever, a friction piece on the underside of said arm, a chamber around the bore of said hub, a post on which said hub is rotatably mounted, an attaching plate for said post, ratchets respectively on the inner edge of said hub and outer face of said plate at the base of said post, a cap on the exterior of said hub, a chamber on the interior of said cap, a spring interposed between said hub and cap and occupying the chambers thereof, and means for securing said cap to said post and adjusting the tension of said spring.

3. A holder or check of the character stated consisting of a post, a plate for attaching the same to a place of service, a ratchet on said plate at the base of said post, a lever, a boss or hub thereon, the latter being rotatably mounted on said post, a ratchet on said hub adapted to freely engage the ratchet on said plate, an arm pendent from said lever, a friction piece on the underside of said arm, the lower face of said piece being eccentric to the axis of said lever, a cap on said post on the exterior of said hub, a spring interposed between said cap and hub and a screw passing through said cap into said post and adapted to re-

tain said cap in position and adjust the tension of said spring.

4. In a holder of the character stated, a swinging lever, a post on which the same is rotatably mounted, means for creating friction on said lever, an arm pendent from said lever, said arm having its under portion extended laterally, and a friction piece occupying the under side of said portion, the floor-contacting face of said piece being eccentric to the axis of said lever.

5. In a holder or check of the character stated, a lever, a hub thereon, a post on which said hub is rotatably mounted, an attaching plate for said post, a cap on the exterior of said hub, a resilient device interposed between said hub and cap, and means for securing said cap to said post and adjusting the tension of said resilient device.

6. In a holder or check of the character stated, a lever, a hub thereon, a post on which said hub is rotatably mounted, an attaching plate for said post, a cap on the exterior of said hub, a resilient device interposed between said hub and cap, and means for securing said cap to said post and adjusting the tension of said resilient device, said hub being adapted to have a sliding motion on said post to and from said plate, and the contacting portions of said hub and plate having detachably-engaging serrations thereon.

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