

(No Model.)

E. T. TAYLOR.

LOCK TRIMMING.

No. 294,934.

Patented Mar. 11, 1884.

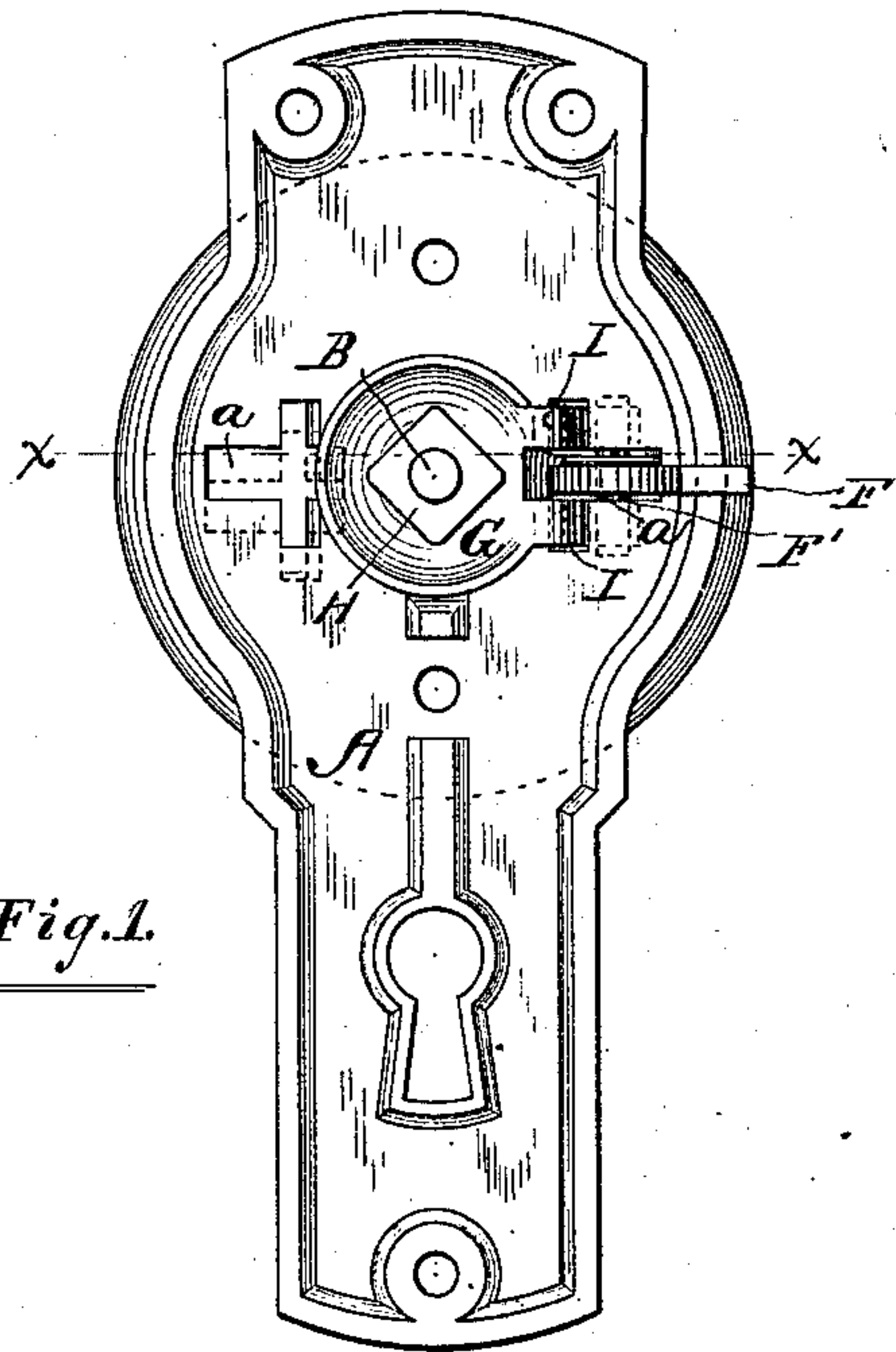


Fig. 1.

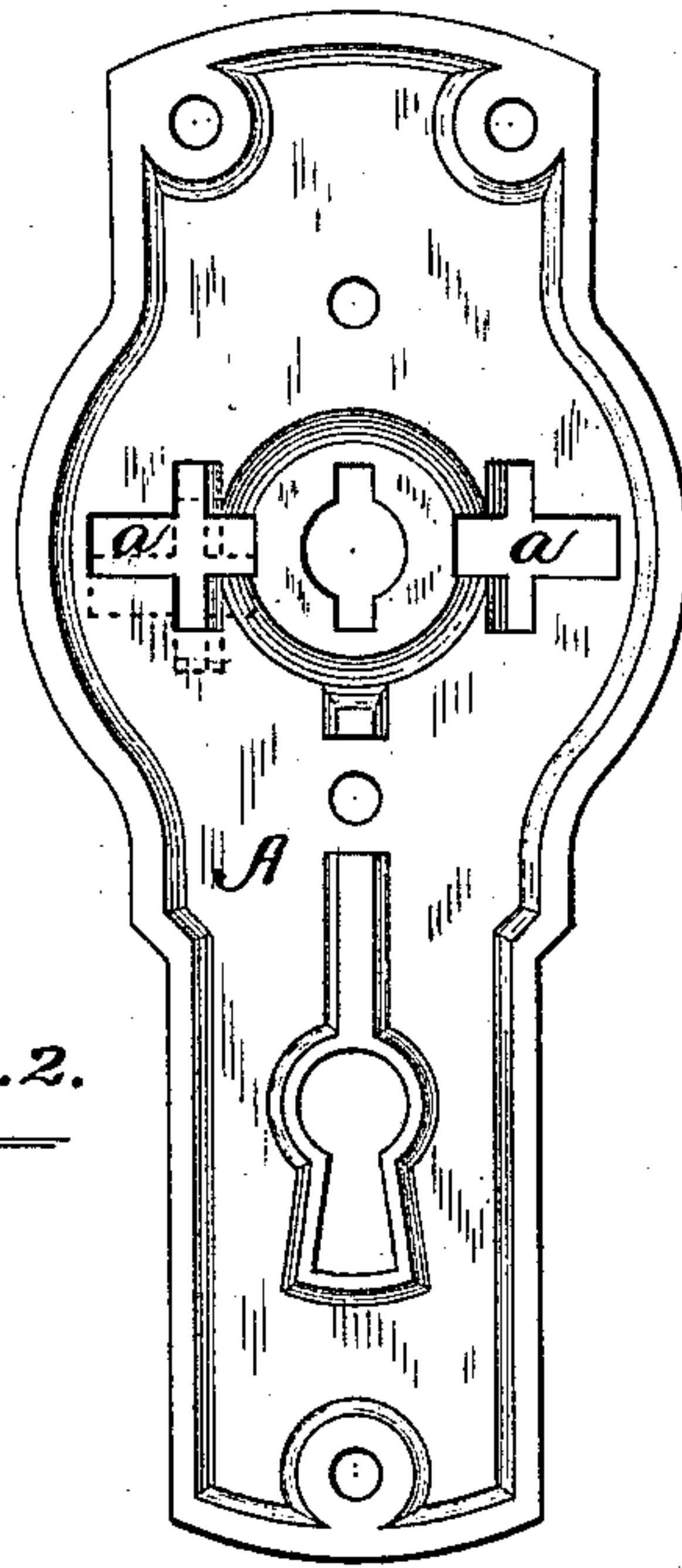


Fig. 2.

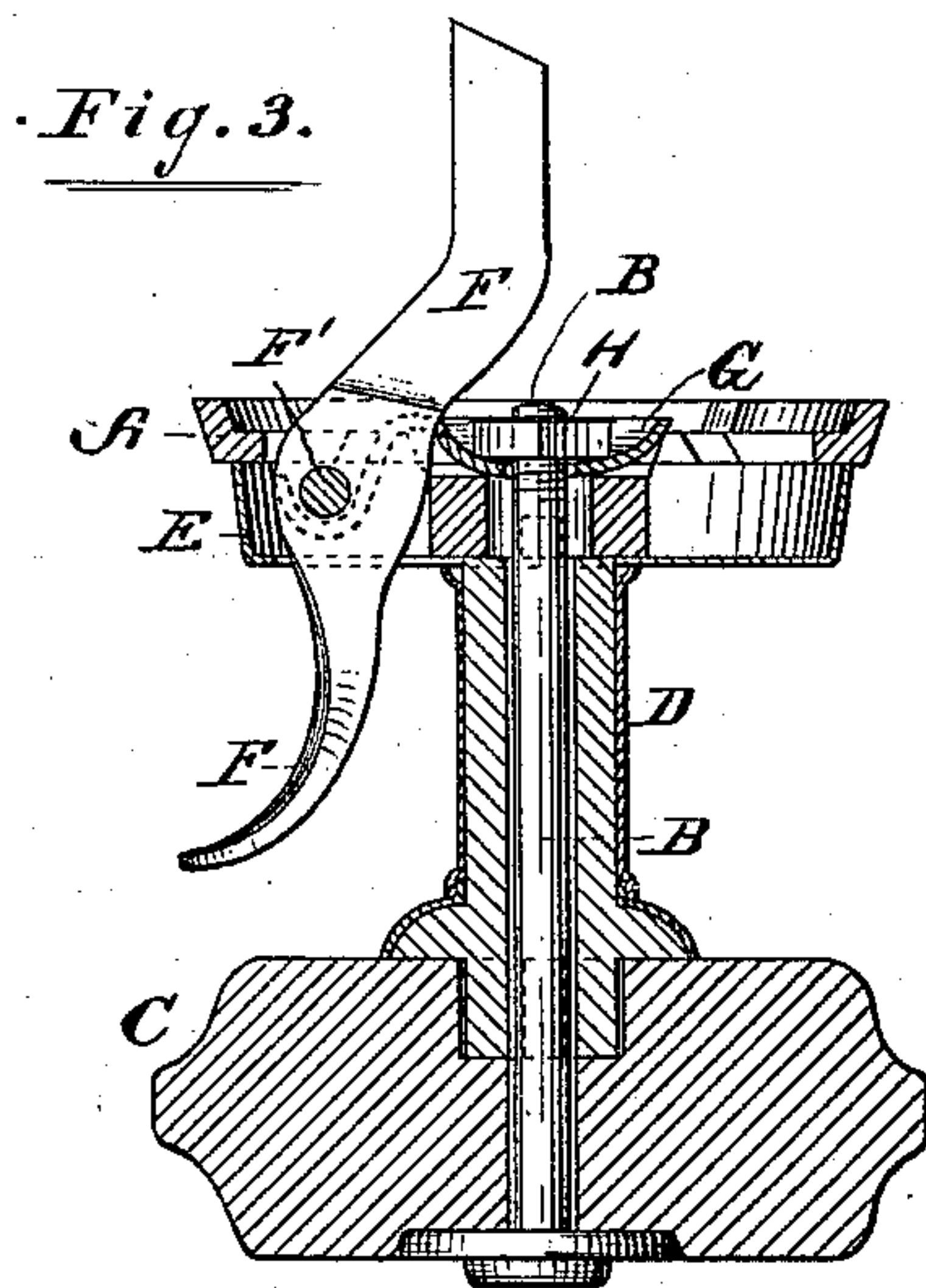


Fig. 3.

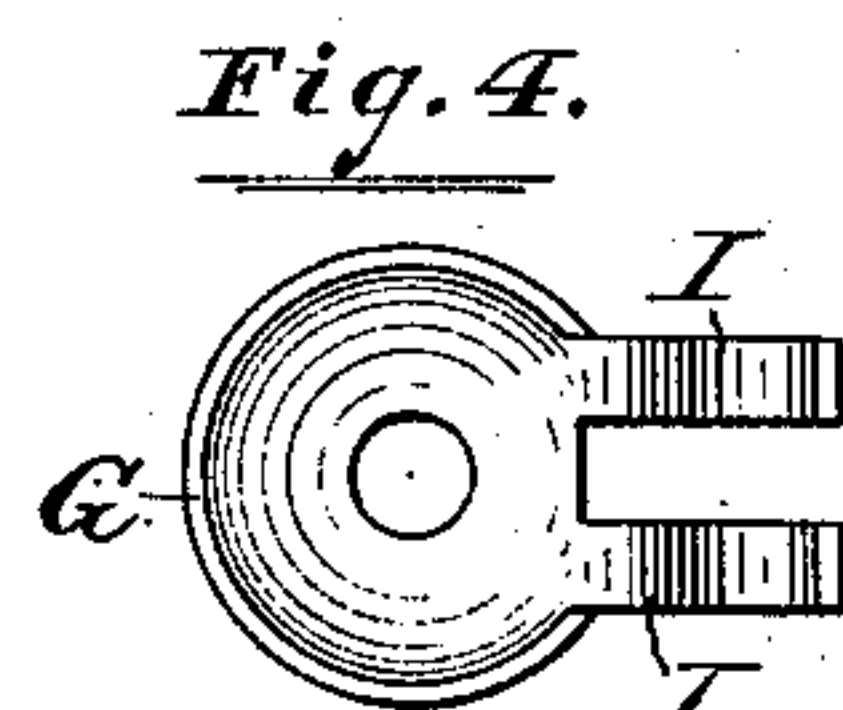


Fig. 4.

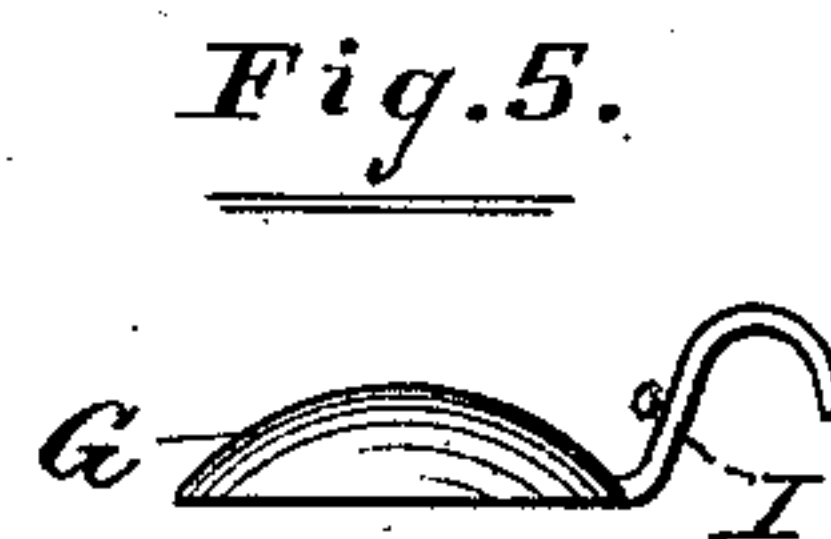


Fig. 5.

Witnesses,
Henry Frankfurter,
W. L. Baker.

Inventor.
Edward T. Taylor
per. *F. F. Warner*
his Attorney.

UNITED STATES PATENT OFFICE

EDWARD T. TAYLOR, OF CHICAGO, ILLINOIS, ASSIGNOR TO GARY G. CALKINS, OF SAME PLACE.

LOCK-TRIMMING.

SPECIFICATION forming part of Letters Patent No. 294,934, dated March 11, 1884.

Application filed October 30, 1883. (No model.)

To all whom it may concern:

Be it known that I, EDWARD T. TAYLOR, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Door-Latches, of which the following, in connection with the accompanying drawings, is a specification.

In the drawings, Figure 1 is a rear view of the plate or rose adapted to be attached to the door, and forming a part of the door-latch embodying my invention. Fig. 2 is a front view of the said plate. Fig. 3 is a section in the plane on the line *x x* of Fig. 1. Fig. 4 is a side view of the washer or plate serving as a fulcrum for the latch-lever, and Fig. 5 is an edge view thereof.

Like letters of reference indicate like parts.

This invention relates to that class of door-latches drawn by means of a lever having its outer end arranged in proximity to the shank of a stationary knob; and the object of my invention is to provide improved means for furnishing the lever with a fulcrum.

A is the rose or plate, which is to be applied directly to the door, and *a a* are slots or openings in the said plate.

B is a bolt for the purpose of connecting the knob C, the knob-shank D, the rose plate or cap E, and the plate A.

F is the latch-lever, and F' is a rod passing through the said lever and forming trunnions or pivots for the same.

G is a plate or washer through which the bolt B passes, and H is a nut on the inner end of said bolt, and retaining the plate or washer G on the said bolt and between the said nut and the plate A. The plate or washer G has extending from it two curved or hook-shaped arms, I I, which extend through one of the slots or openings *a a*, as indicated, and the rod or pivot F' rests in the hook-shaped ends of the arms I I. In other words, the lever F is fulcrumed on the said arms. To apply the lever F, I loosen the plate or washer G and tip up its disk-shaped part in such a direction as to throw the arms I I back and outward toward the shank. I then pass the lever F inward through the horizontal part of the slot *a* as far as it will go, and then tip back the plate or washer G and fasten it in place by means of the nut H, thus causing the arms I I to clasp the trunnions of the lever and confine them

between the plate A and the said arms, but loosely enough, however, to permit the lever to be vibrated.

It is to be understood that the inner end of the lever F acts on a yielding latch in the manner usual in door-latches of the class referred to, or substantially as shown and described in Letters Patent No. 177,933, dated May 30, 1876.

It will be perceived that the plate or washer G may be turned around or so arranged as to permit its hooked arms to pass through either opening *a a*, the lever F being correspondingly applied, thus permitting the lever to be located and operated so as to draw the latch, whether the knob be arranged to be grasped either by the right hand or by the left hand, for the purpose of opening the door.

When the improvements now described are applied to an inside door, or a door provided with a latch adapted to be retracted or released from both sides of the door, I deem it best to locate one of the slots or openings *a* somewhat below the other, so that the two levers then employed will not interfere with each other. I also desire to state that I regard a curved wire having arms or fingers I I as an equivalent of the plate or washer G. The rose or cap E performs no function, and is not an essential feature of my invention, but is employed merely to cover the arms I I and present a neat and finished appearance.

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

1. The combination of the plate A, having therein a slot, *a*, the latch-lever F, and a detachable fulcrum having hook-shaped arms for fulcruming the said lever between it and the plate A, substantially as and for the purposes specified.

2. The combination of the bolt B, nut H, plate or washer G, having hook-shaped arms I I, the slotted plate A, and the lever F, fulcrumed in the said arms, substantially as and for the purposes specified.

In testimony that I claim the foregoing as my own I hereto affix my signature in presence of two witnesses.

EDWARD T. TAYLOR.

Witnesses:

GARY G. CALKINS,
J. B. HALPENNY.