

A.M. Hill,

Reversible Latch.

N^o 32,551.

Patented June 11, 1861.

Fig. 3

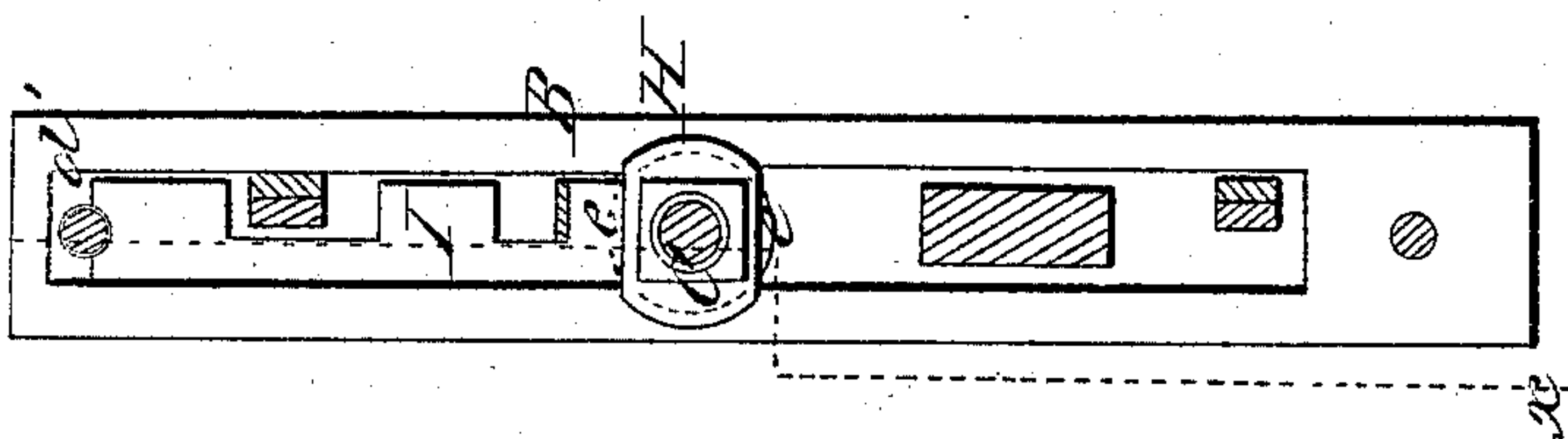


Fig. 2

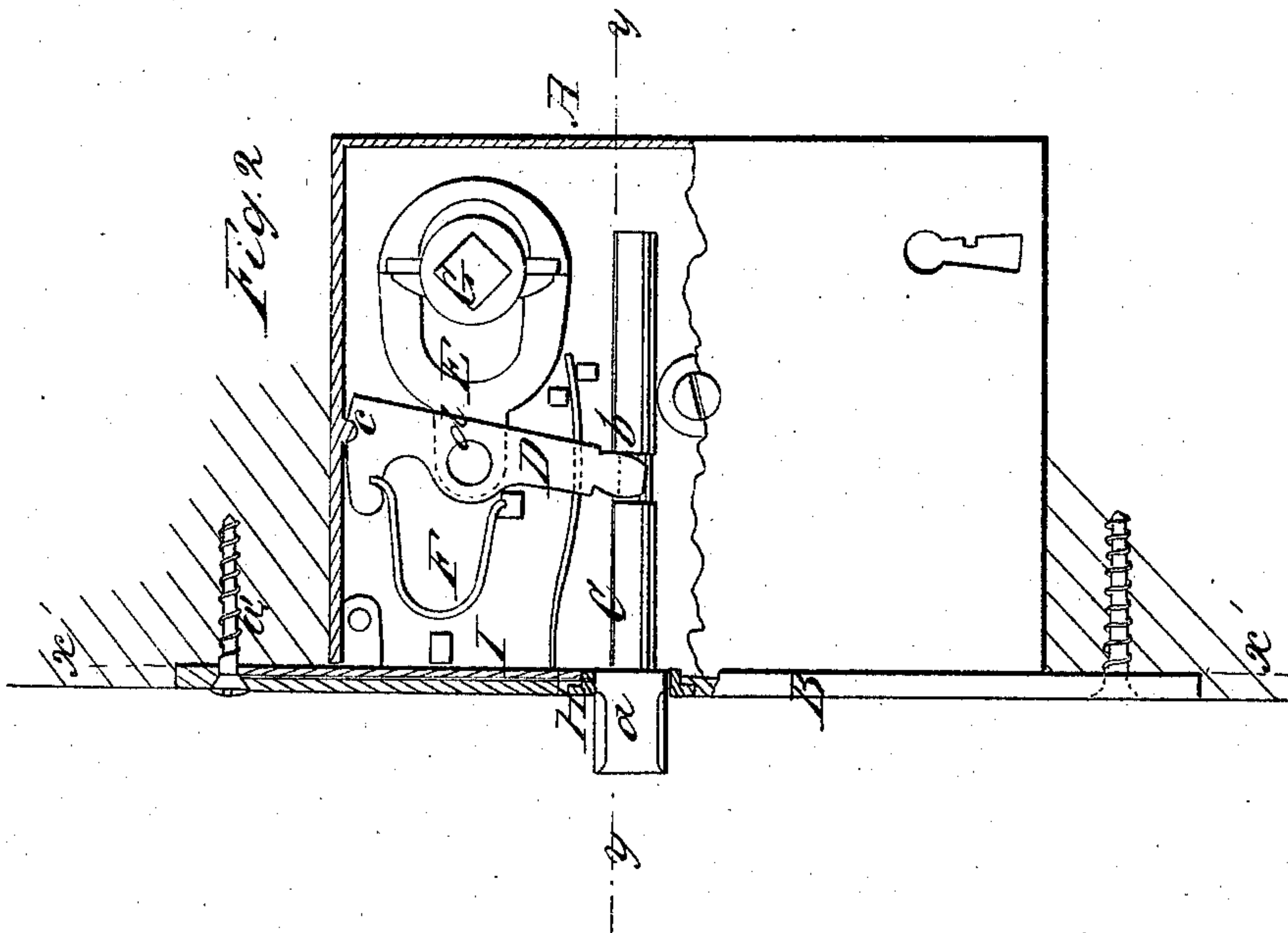


Fig. 4

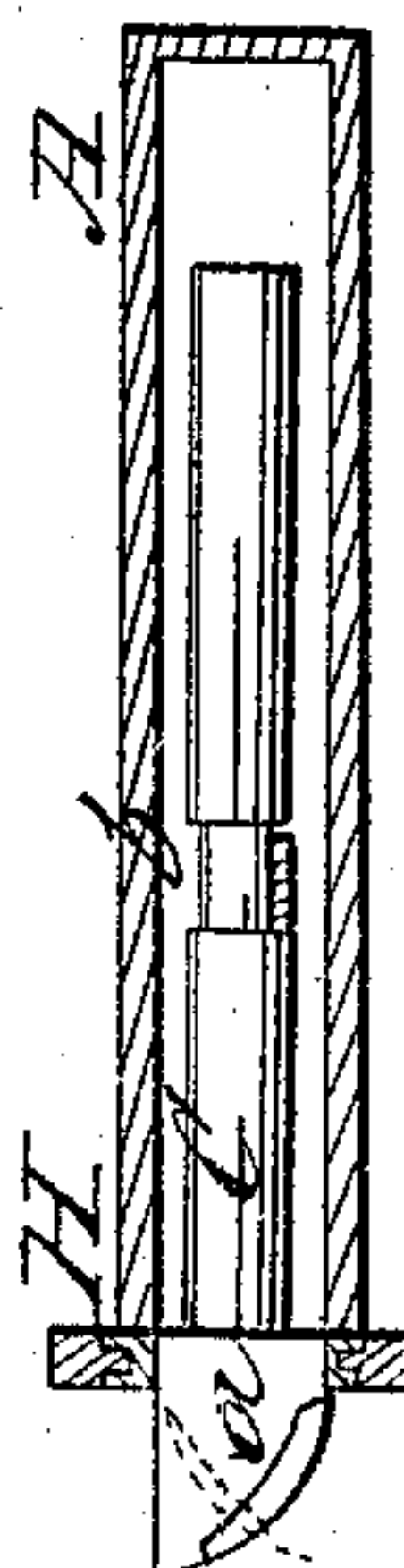


Fig. 1



Witnesses

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UNITED STATES PATENT OFFICE.

ALBERT M. HILL, OF BRANFORD, CONNECTICUT, ASSIGNOR TO W. S. KIRKHAM, OF
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LOCK AND KNOB-LATCH.

Specification forming part of Letters Patent No. 32,551, dated June 11, 1861; Reissued January 5,
1864, No. 1,597.

To all whom it may concern:

Be it known that I, ALBERT M. HILL, of Branford, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Locks and Knob-Latches; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a face view of the face-plate of a lock provided with my invention. Fig. 2 is a view of the interior of the lock, the case being bisected as indicated by the line x, x , Fig. 3. Fig. 3 is a section of the same, taken in the line x', x' , Fig. 2. Fig. 4 is a section of the same, taken in the line y, y , Fig. 2.

Similar letters of reference indicate corresponding parts in the several figures.

This invention relates to a simple means for admitting of the latch of the lock being turned to suit either a right or left hand door, and consists in having the outer part of the latch fitted in a collar which is placed in the face plate of the lock case and allowed to rotate therein, the collar being retained or prevented from casually turning by means of a catch or fastening arranged as herein-after described.

To enable those skilled in the art to fully understand and construct my invention I will proceed to describe it.

A represents the case of a lock B, the face plate, and C, the latch, the outer end of which is beveled at one side as shown at a . The inner part of the latch C, is of cylindrical form and has a recess or groove b , made in it to receive the lower end of a lever D, which has its fulcrum at c , and is connected to a slide E, at d . The lever D, has a spring F, applied to it, said spring having a tendency to keep the latch C, thrown out from the case.

G is a hub through which the knob-arbor passes, as usual.

The above parts are of usual construction and therefore do not require a minute description.

The outer part of the latch C, is fitted in a collar H, in the face-plate B. The collar H, is of cylindrical form and is allowed to turn freely in the face-plate, and at the inner side of the collar H, there are formed two flat or plane surfaces e, e ; said surfaces being at opposite sides of the latch, as shown clearly in Fig. 3, and to the inner side of the face plate B, above the latch C, there is a slide I, which has a spring J, bearing on its lower part; said spring having a tendency to keep the lower end of the slide on the uppermost plane surface e , of the collar H. The slide I, prevents the collar H, and consequently the latch C, from casually turning and when the lock is fitted in the door a screw a' , which passes through the upper part of the face-plate B, prevents the slide I, from rising or being casually thrown up.

The two plane surfaces e, e , it will be seen admit of the bevel a , of the latch being secured in opposite positions as shown in Fig. 4, and previous to fitting the lock in the door, the latch C, is turned or adjusted in proper position.

The device it will be seen is extremely simple and efficient and does not add to the expense of the construction of the lock.

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

The fitting or placing of the latch C, of the lock, in a collar H, which is placed in the face plate B, and allowed to turn therein, the collar having two parallel plane surfaces e, e , at its inner part, and used in connection with the slide I, placed at the inner side of the face-plate; all being arranged as and for the purpose set forth.

ALBERT M. HILL.

Witnesses:

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