

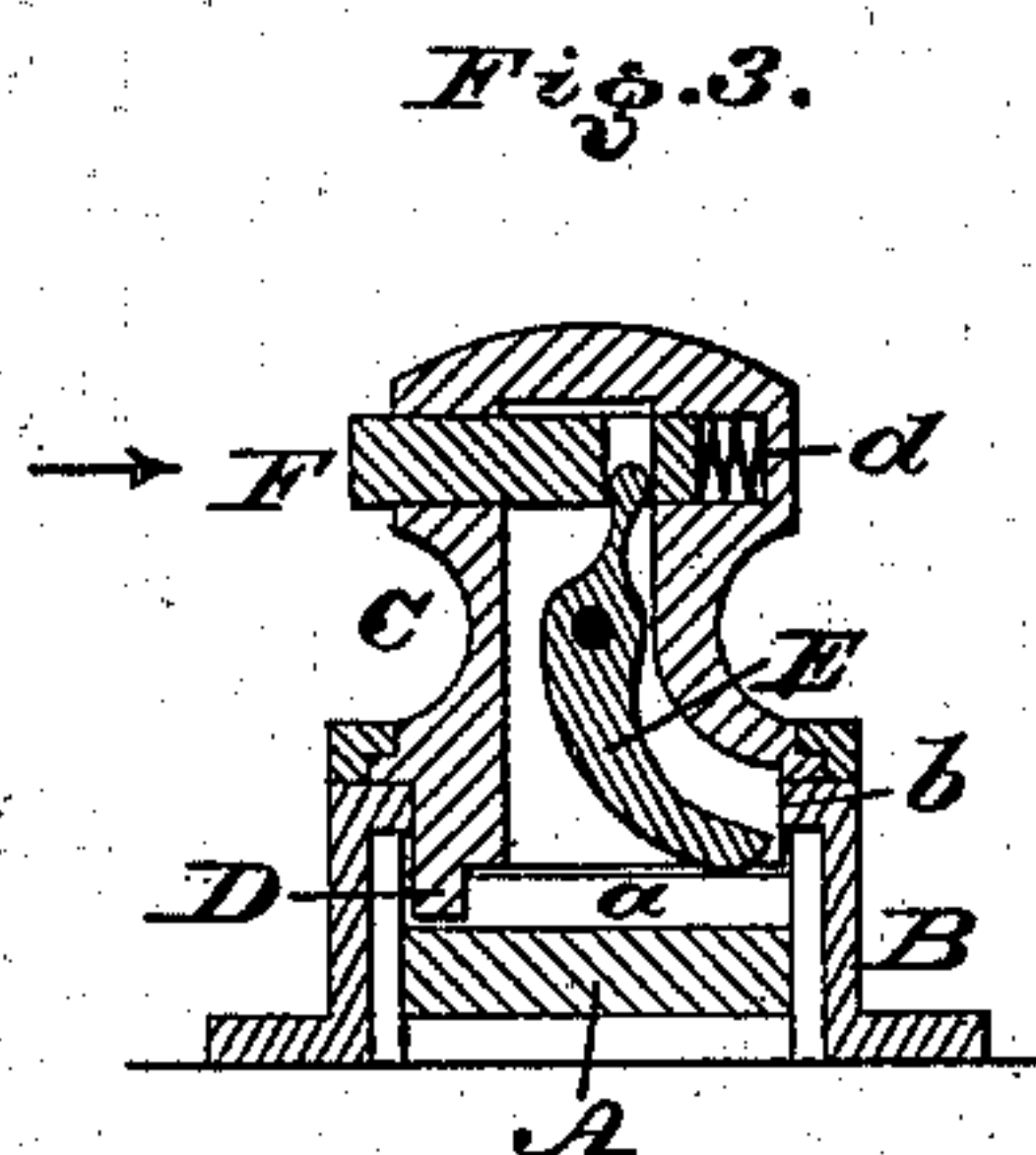
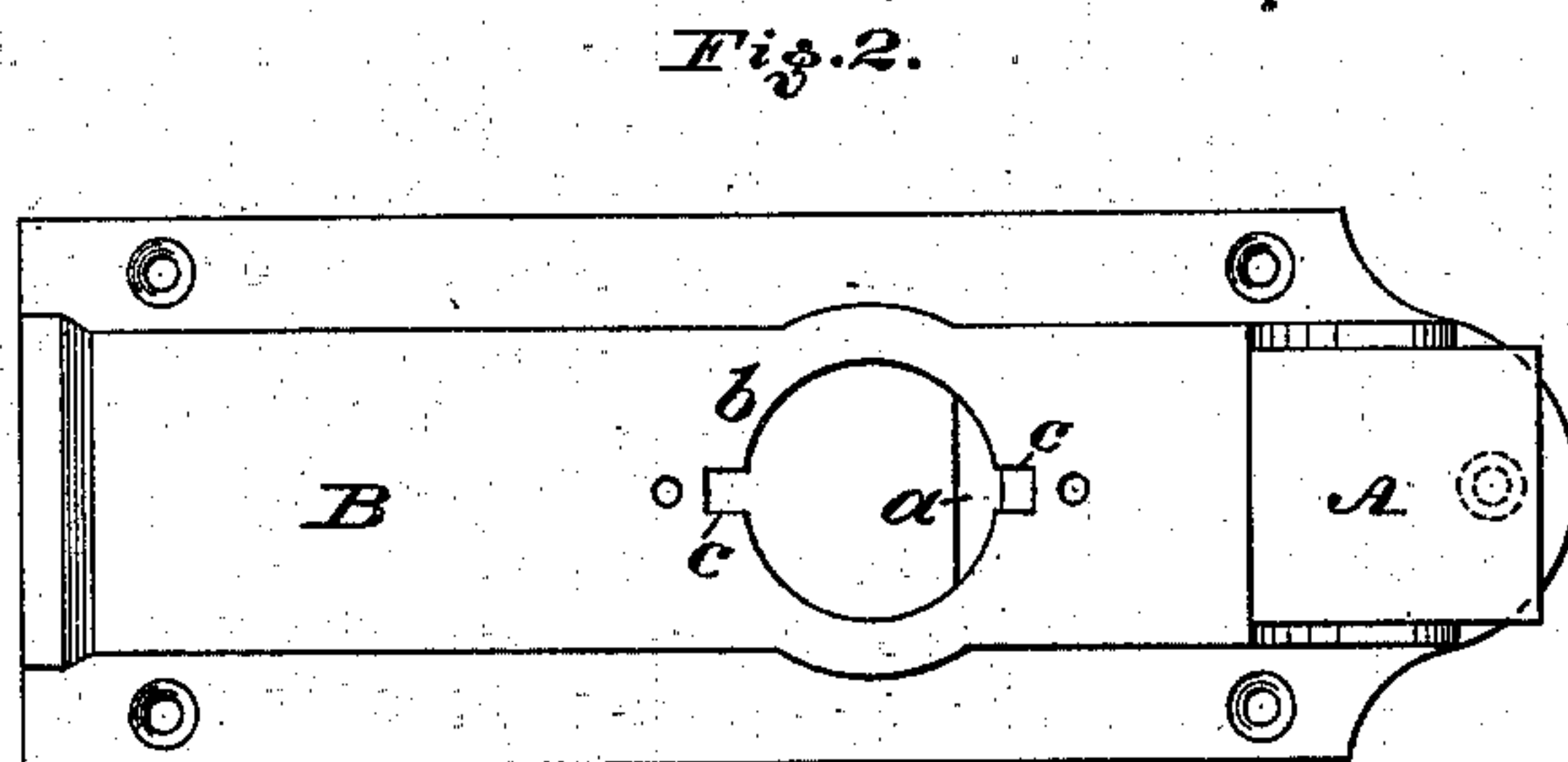
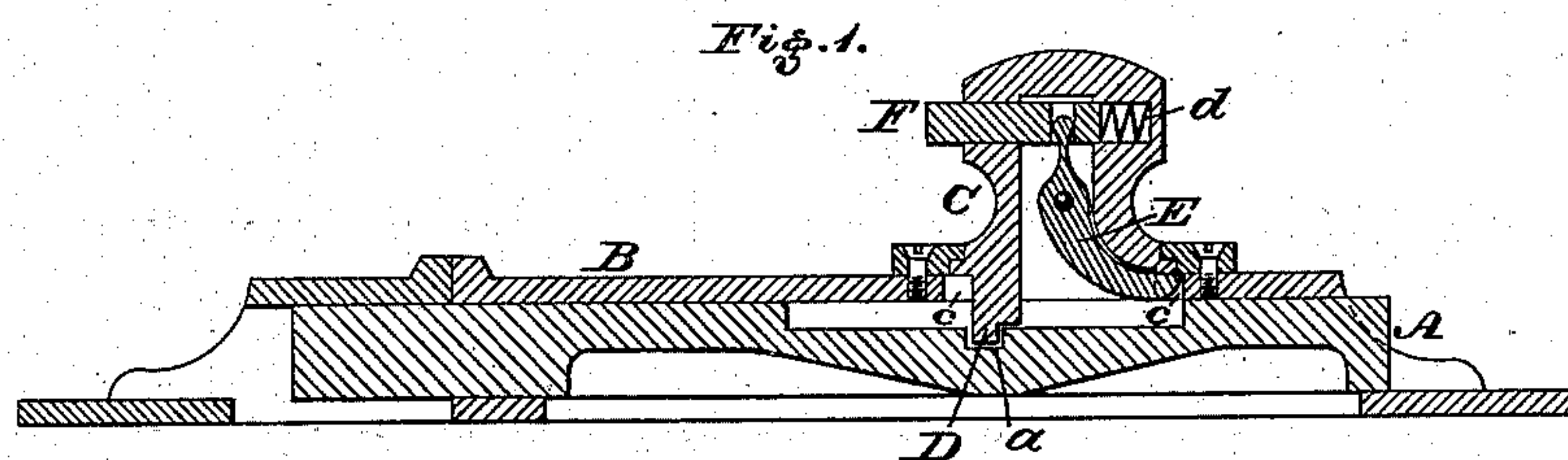
(No Model.)

C. H. GOEBEL.

BOLT.

No. 252,310.

Patented Jan. 17, 1882.



Witnesses:

J. P. Brant,
M. F. Kirchen

Inventor:

C. H. Goebel,
by John A. Diederichs
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UNITED STATES PATENT OFFICE.

CHRISTIAN H. GOEBEL, OF PHILADELPHIA, PENNSYLVANIA.

BOLT.

SPECIFICATION forming part of Letters Patent No. 252,310, dated January 17, 1882.

Application filed April 22, 1881. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN H. GOEBEL, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Bolts for Doors, Windows, &c., which improvement is fully set forth in the following specification and accompanying drawings, in which—

10 Figure 1 is a longitudinal vertical section of the bolt embodying my invention. Fig. 2 is a top or plan view of the bolt and casing, the knob being removed. Fig. 3 is a transverse section thereof.

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

My invention relates to bolts adapted to be locked by means operated from the knob; and the nature of said invention consists in a bolt 20 and its casing, in combination with a rotary knob which shoots and withdraws said bolt, and a fastening device attached to said knob for locking said knob in either position.

Referring to the drawings, A represents a 25 sliding bolt, which is fitted to a casing, B, and formed on its upper or outer face with a transversely-extending way or groove, *a*.

C represents a knob which is journaled to the casing B, and has on its lower or inner end, 30 at or near the circumference thereof, a toe, D, which projects freely into said way *a*, whereby, by the rotation of the knob, the bolt is moved into and out of the keeper.

In the wall of the opening *b*, on the upper or 35 outer face of the casing B, in which the knob is fitted, are notches *c*, and in the knob is pivoted a dog, E, the lower or inner end of which is adapted to drop into either of the notches *c*.

Connected to the upper or outer end of the dog 40 E is a pusher, F, which is guided in a horizontal opening in the knob, and has its head pro-

jecting therefrom, so as to be conveniently accessible, a spring, *d*, bearing against the knob and pusher, whereby the dog is held in the respective notch *c*, and said pusher assumes its 45 normal position, ready for operation. When the bolt is withdrawn from the keeper the dog engages with one of the notches *c* and holds the knob, and consequently the bolt, so that the latter is not accidentally moved. In order 50 to throw out the bolt the pusher F is depressed or forced in. This releases the dog from the notch, and the knob is then turned, whereby, owing to the toe D and way *a*, the bolt is moved and so projected into the keeper. As soon as 55 the dog reaches the notch opposite to the one it first occupies it drops into the former notch and so locks the knob and bolt, whereby it cannot be returned or opened, unless by proper operation of the pusher and rotation of the 60 knob. In order to withdraw the bolt it is only necessary to depress the pusher and rotate the knob, the bolt thus moving from the keeper, and when the dog engages with the respective notch the knob is secured and the bolt again 65 held.

It will be noticed that the bolt can be moved out by rotation of the knob either to the right or left, and moved in by similar motions.

Having thus described my invention, what 70 I claim as new, and desire to secure by Letters Patent, is—

A bolt and its casing, in combination with a rotary knob which shoots and withdraws said bolt, and a fastening device attached to 75 said knob for locking said knob and bolt in either position.

C. H. GOEBEL.

Witnesses:

JOHN A. WIEDERSHEIM,
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