

(No Model.)

C. F. DIEHLMANN.

BOLT.

No. 316,760.

Patented Apr. 28, 1885.

fig. 1.

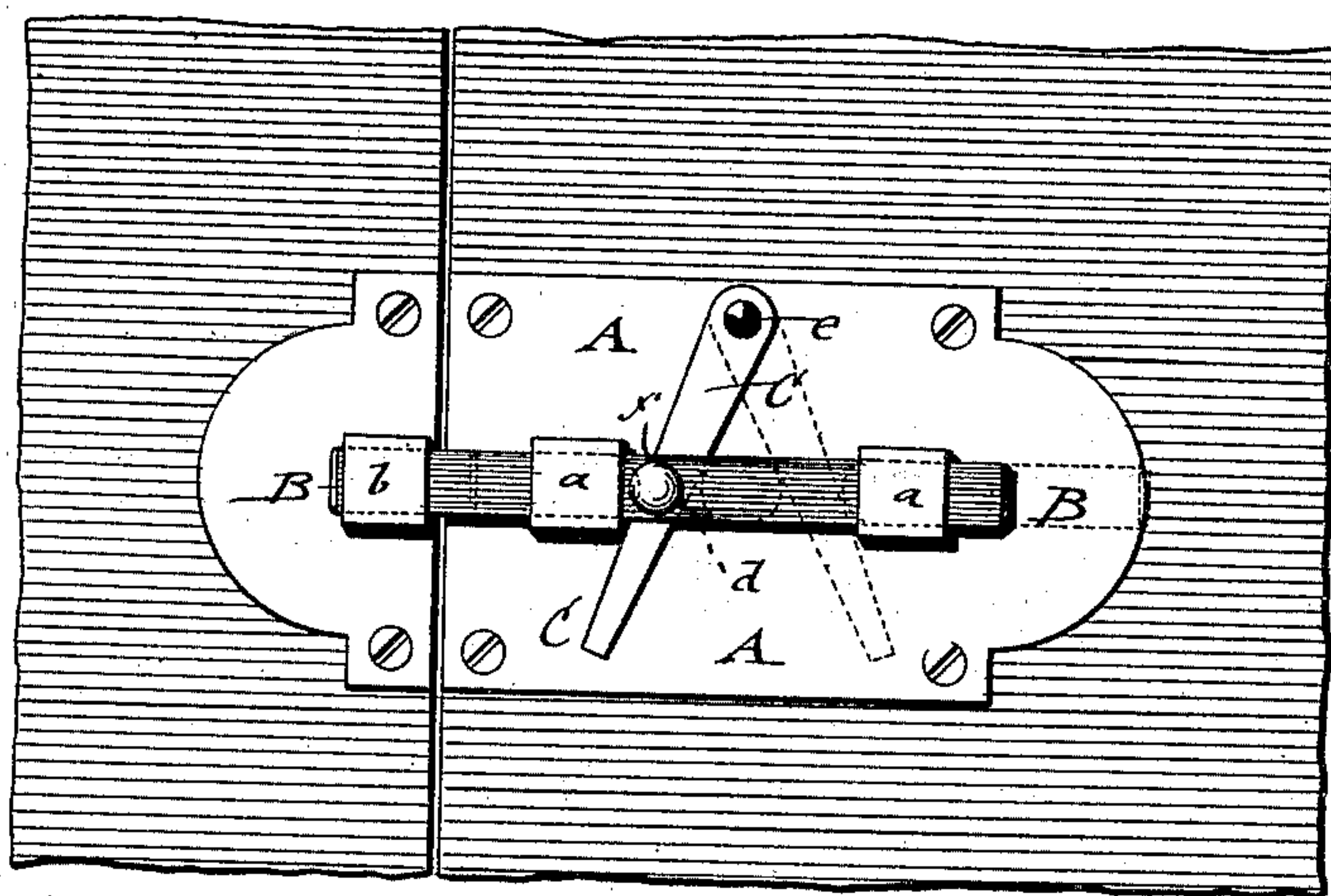


fig. 2.

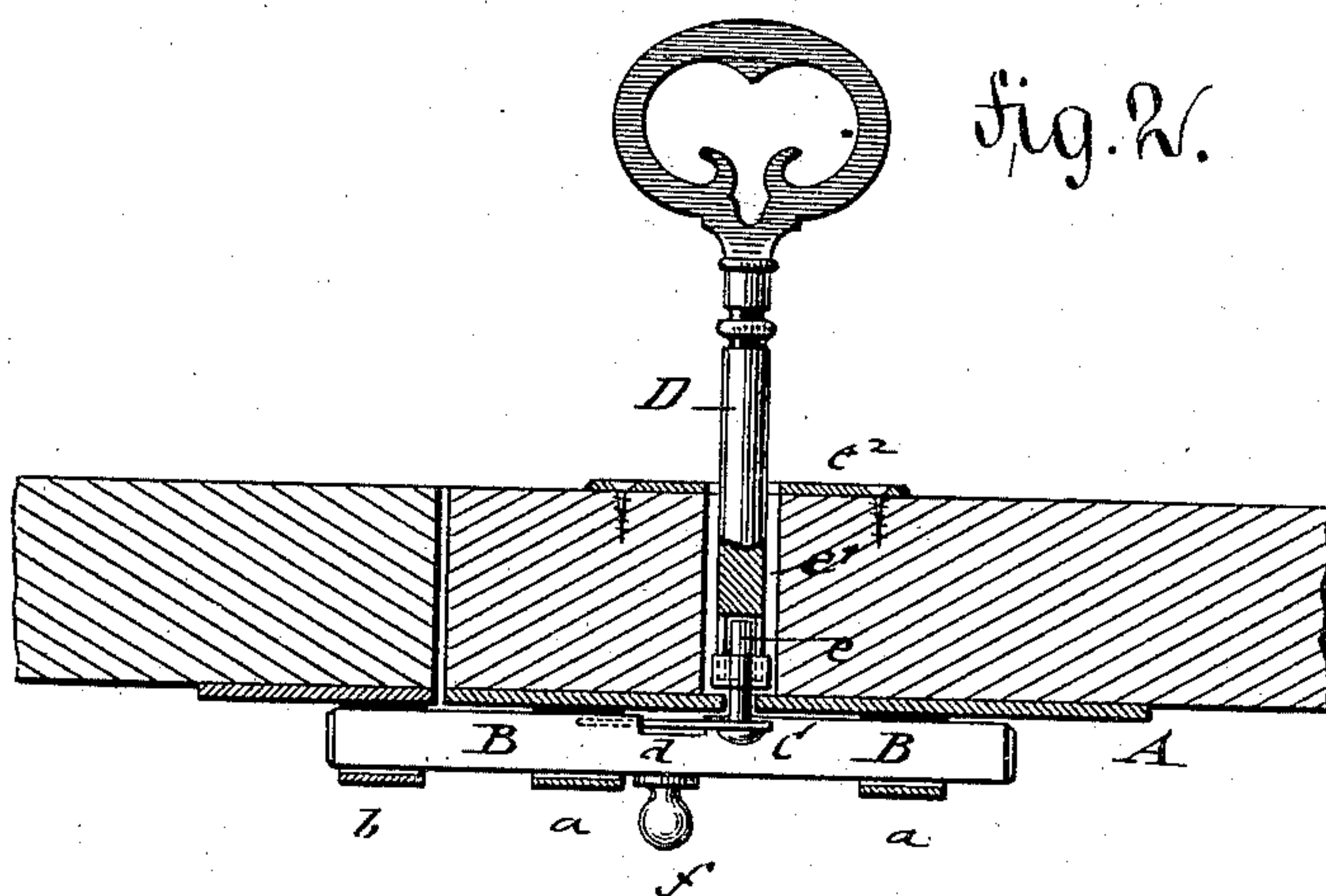
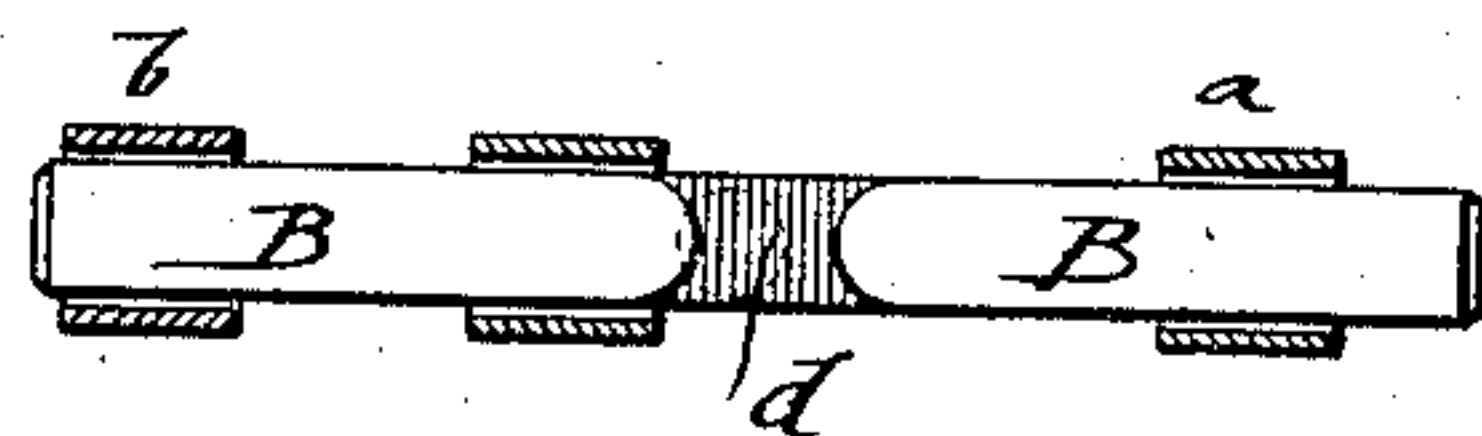


fig. 3.



WITNESSES:

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CARL F. DIEHLMANN, OF BROOKLYN, NEW YORK.

BOLT.

SPECIFICATION forming part of Letters Patent No. 316,760, dated April 28, 1885.

Application filed October 29, 1884. (No model.)

To all whom it may concern:

Be it known that I, CARL FRIEDRICH DIEHLMANN, of Brooklyn, county of Kings, and State of New York, have invented certain new and useful Improvements in Door-Bolts, of which the following is a specification.

This invention has reference to an improved sliding door-bolt of cheap and simple construction which is opened or closed from the inside in the usual manner and from the outside by means of a key.

In the accompanying drawings, Figure 1 represents a side elevation of my improved door-bolt shown in locked position. Fig. 2 is a horizontal section of the same. Fig. 3 is a detail rear view of the slide-bolt with the keepers in section.

Similar letters of reference indicate corresponding parts.

A in the drawings represents the supporting-plate of my improved door-bolt, which is attached to the door by screws or otherwise. The supporting-plate A is provided with keepers *a a*, that guide the slide-bolt B, which takes into a keeper, *b*, of the door-casing when the door is closed. The rear side of the bolt B, which faces the plate A, has a recess, *d*, which is engaged by an oscillating arm, C, that is pivoted to the plate A, the pivot *e* being extended into a key-hole, *e'*, of suitable size, bored through the door. The pivot *e* is made of such a shape as to be engaged by a key, D, having a barrel of corresponding shapes, as shown in Fig. 2. The shape of the pivot and the corresponding shape of the key engaging it may be varied.

The bolt cannot be opened from the outside except by a key fitting it. The key-hole *e'* is provided with an escutcheon, *e''*. The slide-bolt B is taken hold of at the inside by a small knob, *f*, attached to the bolt for being thrown into open or closed position. The bolt B is operated from the outside by the key D and the arm C, which engages the recess of the bolt.

In applying the bolt to the door, all that is required is to bore the key-hole *e'* and then screw the supporting-plate A, keeper *b*, and escutcheon *e''* into their proper positions. In this manner a cheap and simple door-bolt is obtained that can be quickly applied to the door, and which can be used in place of the expensive door-bolts heretofore in use.

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

The combination of a supporting-plate having angular keepers, a square slide-bolt adapted to slide in said keepers, provided with a knob on its outer face and with a recess on its inner face between said keepers, an oscillating arm pivoted to said plate and extending through said recess, the pivot of said arm being extended into a key-hole on the opposite side of the door, substantially as described.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

CARL F. DIEHLMANN.

Witnesses:

PAUL GOEPEL,
SIDNEY MANN.