(No Model.)

A. C. BLAYNEY.

DOOR BOLT.

No. 266,601. Patented Oct. 31, 1882.

Fig. 1.

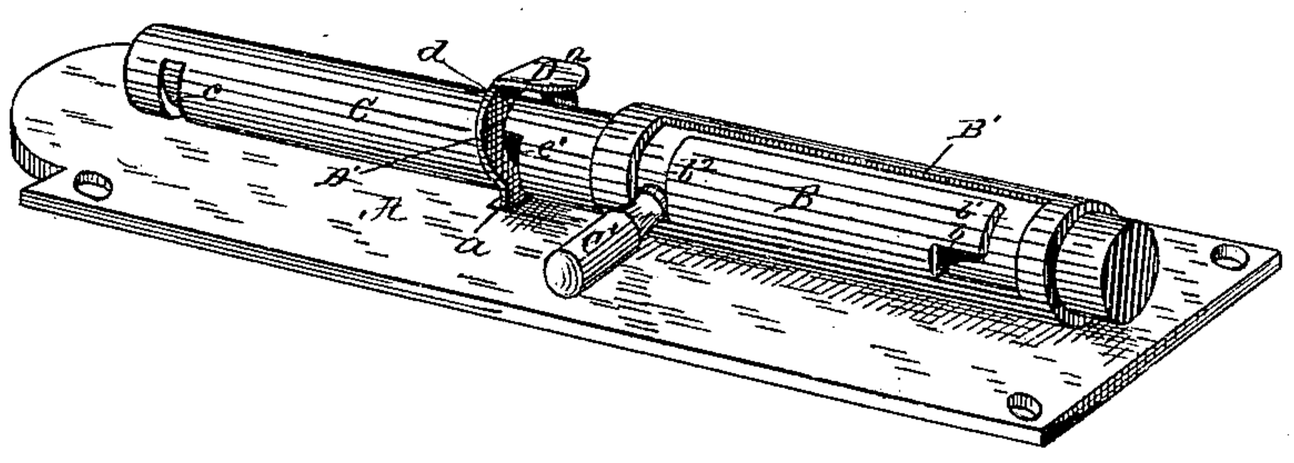


Fig. 2.

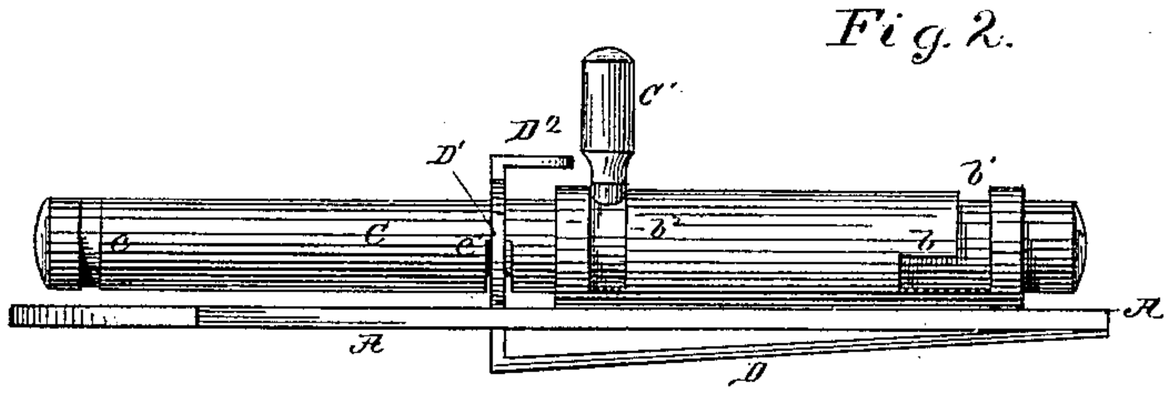


Fig. 3.

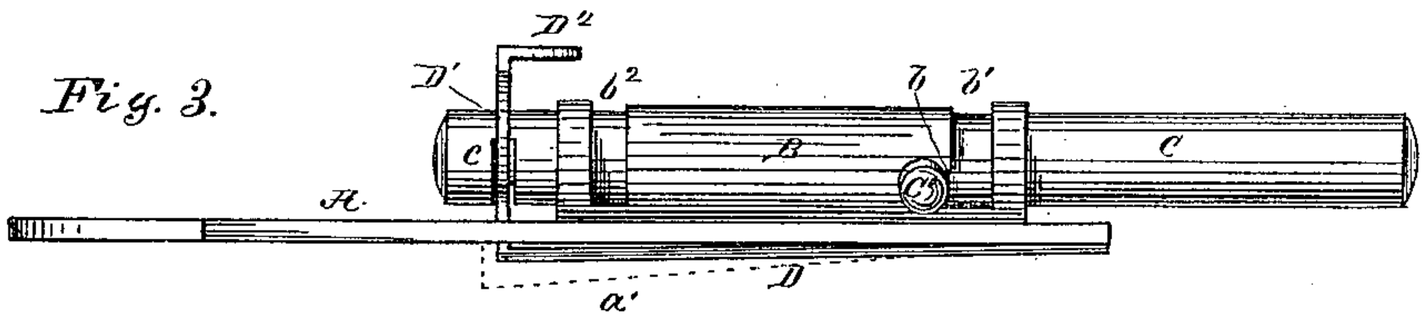
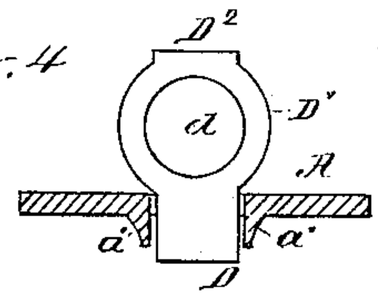


Fig. 4



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UNITED STATES PATENT OFFICE.

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DOOR-BOLT.

SPECIFICATION forming part of Letters Patent No. 266,601, dated October 31, 1882.

Application filed March 16, 1882. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR C. BLAYNEY, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Door-Bolts; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to means in a door-bolt by which retraction of the bolt from the outside of the door may be prevented, and particularly by such appliances as are known to burglars for this purpose.

This invention consists in the features of construction and operation hereinafter set forth, and pointed out in the claims.

In the drawings, Figure 1 is a perspective view of the bolt provided with my invention, shown in a retracted position. Fig. 2 is a side elevation of the same. Fig. 3 is a side elevation of the bolt thrown forward with reference to the barrel and plate, showing the same locked. Fig. 4 is a transverse section of the plate through the slot *a* in said plate, which slot is shown in Fig. 1.

A is the bed-plate of the bolt. B is the barrel fixed thereto. C is the bolt proper, and D is a spring arranged beneath the plate and secured thereto, being provided with an apertured part or extension, D′, which rises through the plate and gives passage by its aperture *d* to the bolt C. Said bolt is provided with the ordinary knob, C′, which runs in the slot B′ and in the offsets thereof, *b b′ b²*. The bolt C is provided with a notch, *c*, near its end, and on the under side of the bolt when the latter is turned over in the position shown in Figs. 1 and 3. The ordinary form of keeper is understood to be used with the bolt described, though such keeper is not here shown. To lock the bolt, the latter is thrust forward to the full extent of its throw, which is limited by the slot B′ and knob C′. Said knob is then thrust over through the lateral slot *b′*, after which it is retracted, carrying the knob-shank back into the slot or recess *b*, as shown in Fig. 3. When the bolt is turned and brought to this position the notch *c* is on its under face, and is in position to allow the spring D to rise and engage said notch, as shown in Fig. 3, thus preventing the bolt from being carried forward. To release the bolt, the spring D is depressed by the finger bearing upon the thumb-piece D², after which the bolt may be carried forward, turned, and retracted. A second notch, *c′*, is shown in position to receive the projecting part D′ of the spring D when the bolt is retracted; but this is useless, except for the purpose of releasing the spring D from tension when the bolt is idle.

For the purpose of preventing the spring-catch D′ from being drawn out of the notch *c* by boring a hole through the door opposite said spring and catching a hook behind it, flanges *a′* may be cast on the plate A on both sides of the spring, as shown in Fig. 4, and is indicated by dotted lines in Fig. 3.

Having thus described my invention, I claim—

1. In combination with the bolt C, having the knob C′ and notch *c*, the barrel B, having the slot B′ with lateral and rearward extensions *b′ b*, and a spring, D, arranged to engage the notch *c* when the bolt-knob is retracted in the recess *b*, substantially as described.

2. In combination with the notched bolt C, having the knob C′, and with the slotted barrel B, fixed to the plate A, the spring D, provided with the apertured part D′, arranged and operating substantially as described.

3. In combination with the spring D, arranged beneath the plate A and for engaging the bolts in its locked position, the flange *a′*, arranged on said plate and at both sides of the spring, substantially as described, and for the purposes set forth.

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

ARTHUR C. BLAYNEY.

Witnesses:
M. E. DAYTON,
W. C. ADAMS.