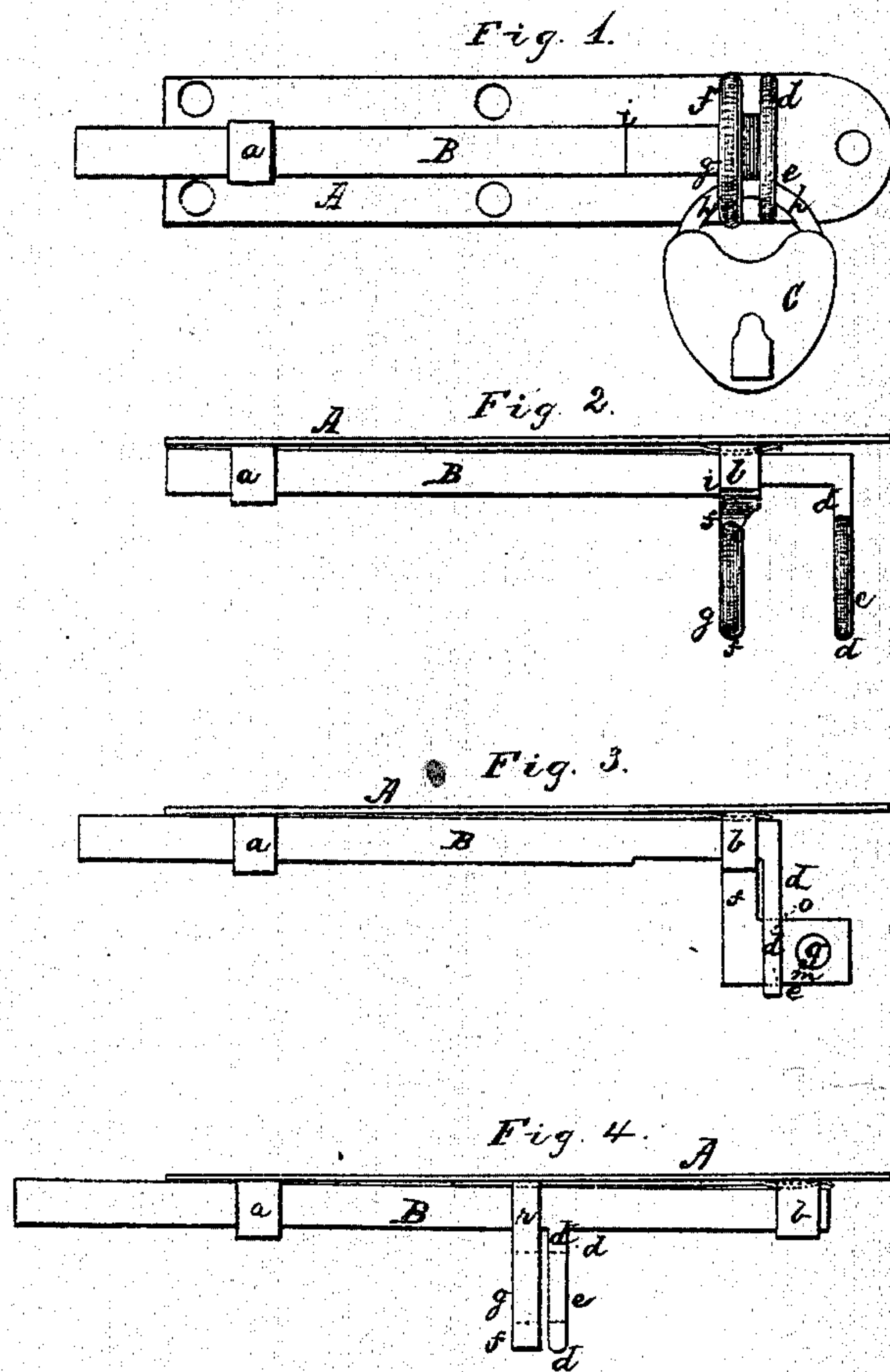


J. F. CARLIN.

Bolts.

No. 139,767.

Patented June 10, 1873.



WITNESSES

Donald G. Stuart.  
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# UNITED STATES PATENT OFFICE.

JAMES F. CARLIN, OF ALEXANDRIA, VIRGINIA.

## IMPROVEMENT IN BOLTS.

Specification forming part of Letters Patent No. **139,767**, dated June 10, 1873; application filed May 24, 1873.

*To all whom it may concern:*

Be it known that I, JAMES F. CARLIN, of Alexandria, in the county of Alexandria and State of Virginia, have invented certain Improvements in Gate or Door Bolts, of which the following is a specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a plan of a door-bolt having my improvements applied thereto, and Fig. 2 a side elevation of the same. Figs. 3 and 4 represent modified forms of the improvement.

My invention relates to a certain new and useful improvement in gate or door bolts; and it consists in providing the slide-bolt of such, and one of its guide-staples (or else the bed-plate itself of the bolt) each with a hasp or an arm provided with an eye or opening, and so arranging these with relation to each other that when the slide-bolt is slipped in order to fasten the door, the hasp or shackle of a padlock may then be passed through their openings, and in that way, when locked, locking the door.

To enable others skilled in the art to make, construct, and use my improvement, I will now proceed to describe its parts in detail.

The plate A, by means of which the bolt is secured to the gate or door, may be made of any suitable form, size, and material, according to the strength and size of bolt required, and, like the plates of ordinary bolts, is provided with two or more guide-staples, *a* and *b*, as may be deemed best, the ends of which are firmly riveted or otherwise secured to the plate.

In the drawing, the bolt B and openings in the staples *a* and *b* are represented as being square, but they may be made round or of any other suitable shape.

Between the bolt B and plate A is arranged a spring, *c*, one end of which is secured by rivet or screw to the latter, while the other is made to bear against the inner face of the former, and is used, as in others of the kind, for the purpose of retaining the bolt in place when withdrawn from the staple. On the end of the bolt B is formed an arm, *d*, provided with an opening or eye, *e*,

while a corresponding arm, *f*, is secured to or otherwise formed on the rear guide-staple *b*, and is also provided with an opening or eye, *g*. The two arms *d* and *f* are so arranged that when the bolt B is slipped into the staple of the door-frame to bolt the gate or door, their respective openings *e* and *g* will be directly opposite to and in close proximity with each other, ready to receive the hasp *h* of a padlock, C, as shown in Fig. 1, and thus lock the bolt.

Where the arm *d* of the bolt B is arranged on the outer end of the latter, as shown in Figs. 1 and 2, that end of the bolt may be reduced in size, either in breadth or thickness, for a length equal to the distance of the required play or movement of the bolt in bolting or unbolting the door, so as to form a shoulder to abut against the inner side of the guide-staple *b*, in order to prevent its withdrawal or loss, in the manner shown at *i*, Fig. 2. When, however, the arm *d* is arranged and secured to the bolt B on the inside of guide-staple *b*, such reduction for that purpose would be wholly unnecessary; but such a change would involve a change of the arm *f* from staple *b* to a middle staple, *r*, as shown in Fig. 4; otherwise shoulder *i* must still be retained, and arm *d* moved forward so as to be locked to staple *a* instead of the middle one *r*. And with regard to arm *f*, instead of its being so made as to form part of either of the staples *a*, *b*, or *r*, it may be so made as to be entirely separate and distinct therefrom, it in such case being independently secured to the plate A; but the former is deemed the simpler and better mode of making and securing it.

Again, instead of making the arms *d* and *f* and eyes *e* and *g* in the manner shown in Figs. 1 and 2, they may be made as shown in Fig. 3. A tongue, *m*, with an opening, *g*, being formed on either one of them, and an elongated opening made in the other of a size sufficient to receive the tongue *m*, so that when the latter is projected through opening at *e* the hasp of a padlock may be passed through opening *g*, and in that way lock the two together, as before.

Having described my improvement in gate

or door bolts, what I claim as new, and desire to secure by Letters Patent, is—

The slide-bolt B, when provided with a hasp or arm, *d*, having an opening or eye, *e*, and used in connection with a hasp or arm, *f*, having an opening or eye, *g*, formed on or otherwise secured to one of the guide-staples *a*, *b*,

or *r*, or to the bed-plate A of the bolt, as described and shown, for the purpose set forth.

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Witnesses:

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