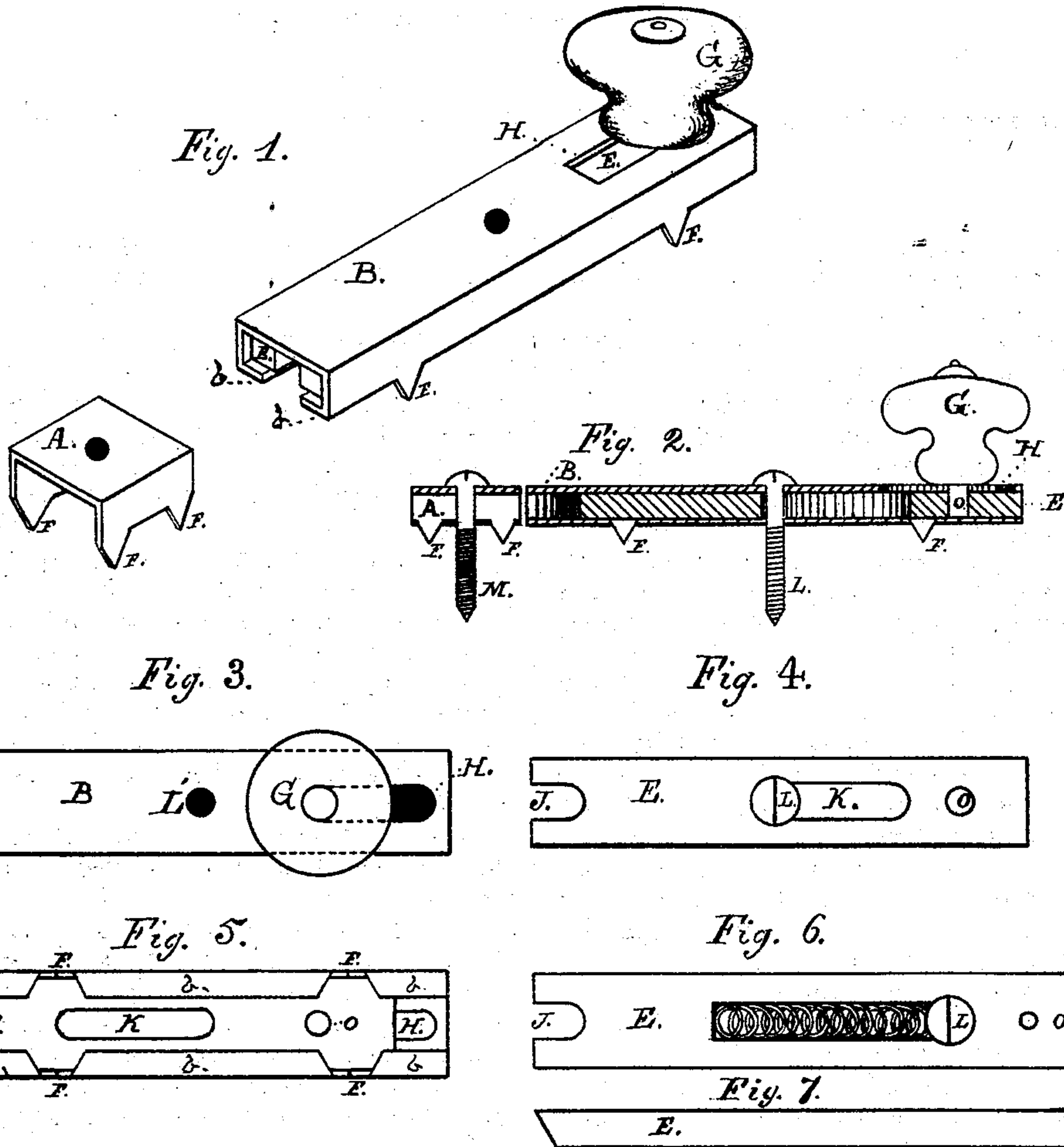


D. A. ROBINSON.

Bolts.

No. 152,009.

Patented June 16, 1874.



Witnesses.
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UNITED STATES PATENT OFFICE.

DANIEL A. ROBINSON, OF ELIZABETH, NEW JERSEY.

IMPROVEMENT IN BOLTS.

Specification forming part of Letters Patent No. **152,009**, dated June 16, 1874; application filed November 11, 1873.

To all whom it may concern:

Be it known that I, DANIEL A. ROBINSON, of the city of Elizabeth, in the county of Union and State of New Jersey, have invented certain Improvements in Slide-Bolts, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to a new and improved mode of constructing slide-bolts for use on doors, closets, gates, &c.; and consists in forming a bolt and its case out of sheet or cast metal in such a way that both may be firmly fastened to the object to which they are to be applied by means of a single screw, in combination with points or spurs projecting from the side next to its seat. It also consists in making a slot or opening in the forward end of the bolt.

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

Figure 1 is a perspective view of the case, bolt, and catch. Fig. 2 is a longitudinal sectional view. Fig. 3 is a plan view. Fig. 4 is the bolt itself removed from its case B. Fig. 5 is a plan view of the bolt and case, as seen from the under side. Figs. 6, 7 are modifications in the form of the bolt.

A is a catch, and is fastened to its place by a single screw, M, and by the points F, which penetrate into the wood and prevent any lateral movement. B is the case, in which the bolt E slides. The opening D is to admit the screw L, which penetrates the wood through the slot K in the bolt E, and, together with the points F, formed from a portion of the flange, secure the case and bolt firmly to their place, flanges *b b* being turned inward and serving as guides to the bolt. The knob G is attached to the bolt E by means of the rivet O. The slot H in the case B permits the bolt

E to be slid back and forth by the knob G, and thus fasten or unfasten the bolt. The slot or opening J in the forward end of the bolt E is to allow the bolt to embrace the screw M and fully enter the catch A. The slot K in the body of the bolt E is to allow the screw L to enter the wood through the opening D and thus fasten the bolt and its case to the door.

Figs. 6 and 7 show a modification of this device, in which the case B and the slot K are made a little longer, so that a spiral spring can be introduced into the slot K of the bolt E, and force the bolt forward out of the case and into the catch A, and thus cause the fastening to be automatic in its action. In this construction the end of the bolt E must be made with a bevel, so that it will slide back on striking against the catch A, as shown in Fig. 7.

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

1. A bolt-case, B, formed of a single piece of metal and provided with a slot, K, central screw-hole L', and points F, substantially as described, and for the purpose set forth.

2. The centrally-slotted bolt E, having slotted end J, in combination with a bolt-case, B, formed of a single piece of metal and provided with a slot, K, central hole L, and points F, as described, for the purpose set forth.

3. The combination of a catch, A, provided with a single central opening for the passage of a screw and points F with a centrally-slotted bolt having a slotted end, substantially as described, and for the purposes set forth.

DANIEL A. ROBINSON.

Witnesses:

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