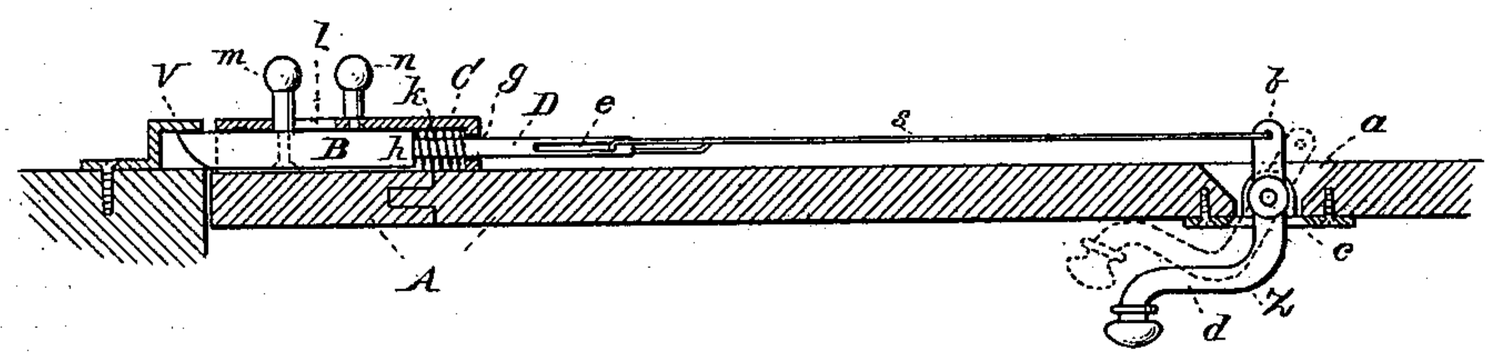
(No Model.)

S. A. KINTNER.

DOOR BOLT.

No. 338,640. Patented Mar. 23, 1886.



WITNESSES

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UNITED STATES PATENT OFFICE.

SIMON A. KINTNER, OF NEY, OHIO.

DOOR-BOLT.

SPECIFICATION forming part of Letters Patent No. 338,640, dated March 23, 1886.

Application filed December 29, 1885. Serial No. 187,038. (No model.)

To all whom it may concern:

Be it known that I, SIMON A. KINTNER, a citizen of the United States, residing at Ney, in the county of Defiance and State of Ohio, have invented certain new and useful Improvements in Fastenings for Screen-Doors; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to letters or figures of reference marked thereon, which forms a part of this specification.

The drawing is a representation of this invention, and is a horizontal section.

This invention has relation to fastenings for screen-doors or other light doors; and it consists in the construction and novel arrangement of devices, all as hereinafter set forth, and pointed out in the claim.

In the accompanying drawing the letter A designates the door. B is a small bolt, which works in the slide-casing C. This bolt is formed with an extension, D, to the rear, said extension being provided with a longitudinal slot, *e*. The extension D passes through an opening, *g*, in the rear end of the casing, and is formed with a stop or shoulder at *h*. The spring *k* in the casing serves to engage the stopper shoulder *k'* and hold the bolt up to its work. The casing is formed with a slot or opening, *l*, in its face wall, through which projects a small arm or knob, *m*. At the rear end of this slot the casing is provided with a rigid arm or knob, *n*, which is located just opposite to the knob *m*. When the bolt is in engagement with its keeper V, the knob *m* is in the front part of the slot *l*, and is then separated from the knob *n*. In order to draw the bolt, the two knobs *m* and *n* are grasped, and the leverage afforded by the knob *n* permits the knob *m* to be easily drawn backward toward the rigid knob *n* with its bolt disengaging the latter from the keeper. An opening, *a*, is made through the middle of the center rail of the door for the passage of the short arm *b* of the bent lever Z. This lever is pivoted to a small casting, *c*, screwed over said opening, and its long arm *d* extends alongside the door parallel thereto, but not touching it, a sufficient space for play being allowed between said arm and door. On the end of the arm *d* a knob is provided. A small wire or connection, *s*, extends from the short arm *b* of the lever to the slot *e* of the bolt. This lever is designed to enable the bolt to be worked from the inside or opposite side of the door to that on which the bolt is applied. This is accomplished by a single pressure on the knob of the lever. The slot-connection with the lever-wire serves to prevent any movement of the lever when the bolt is operated from the outside.

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

The combination, with the casing having a slot in the face wall and rigid knob *n*, of the slide-bolt having the knob *m*, and extension D, provided with the longitudinal slot *e*, the spring *k*, the knob-lever Z, pivoted in the door with its handle portion on the opposite side thereof from the bolt-knob, and the connecting-wire *s*, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

S. A. KINTNER.

Witnesses:
JOHN M. CALKINS,
JACOB YOUSE.