

R. B. PRINDLE.
DOOR BOLT.

Fig. 1.

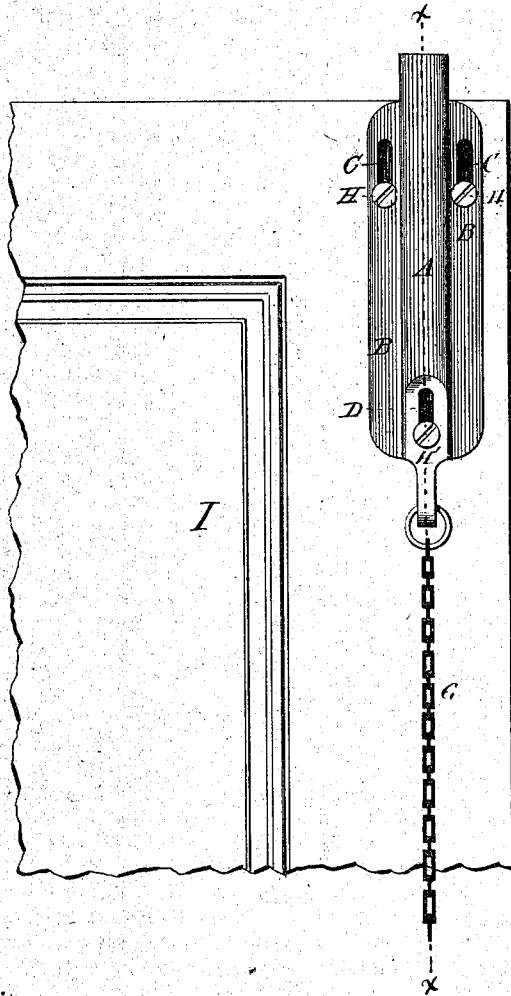
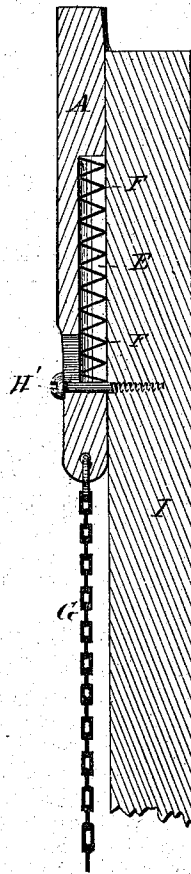


Fig. 2.



Witnesses.

Chas. H. Poole
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Inventor.

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United States Patent Office.

RUSSEL B. PRINDLE, OF NORWICH, NEW YORK.

Letters Patent No. 105,489, dated July 19, 1870,

IMPROVEMENT IN DOOR-BOLTS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, RUSSEL B. PRINDLE, of Norwich, in the county of Chenango and in the State of New York, have invented certain new and useful Improvements in Door-Bolts; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a front elevation of my device as applied to the face of a door, and

Figure 2 is a vertical central section of the same on the line *x x* of fig. 1.

Letters of like name and kind refer to like parts in each of the figures.

The object of my invention is to produce a spring door-bolt that, while possessing equal strength and efficiency, shall cost less than those in ordinary use; and

It consists in forming said bolt of one piece, provided with two laterally projecting wings and a recess for containing the spring, and having two or more longitudinal slots for the reception of the screws used for attaching the bolt to or upon the face of a door, as is hereinafter set forth.

In the annexed drawing—

A represents the bolt, formed of half-round iron, secured to and projecting outward from either side of which, in a line with its inner face, is a wing, B, having a thickness of about one-eighth of an inch and a width sufficient to enable it to contain a slot, C, passing longitudinally through the same near its forward end.

The outer face of the bolt A is slightly flattened

near its rear end, at which point is provided a third slot, D, corresponding in size and in relative direction with the slot C.

A semicircular recess, E, formed within the inner face of the bolt A and extending from the rear end of the slot D forward about one-half the length of said bolt, serves to contain a spiral spring, F.

The rear end of the bolt being flattened, and having attached thereto a chain, G, the device is complete, and is applied to a door by means of three screws, H and H', which, passing through the slots C and D into the door I, with their heads bearing lightly against the outer face of said bolt and of the wings, hold the same firmly in position against the door, while allowing to it free longitudinal motion thereon.

The spring F, bearing against the forward end of the recess E and against the screw H', presses the bolt upward into engagement with the keeper, except when withdrawn by means of the chain.

Having thus fully set forth the nature and merits of my invention,

What I claim as new is—

As a new article of manufacture, the bolt A, provided with the wings B, having therein the slots C and D, the recess E, and the spring F, substantially as shown and described.

In testimony that I claim the foregoing, I have hereunto set my hand this 11th day of June, 1870.

RUSSEL B. PRINDLE.

Witnesses:

E. H. PRINDLE,
H. G. PRINDLE.