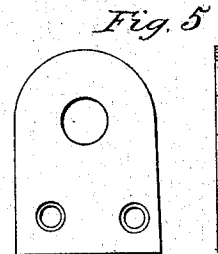
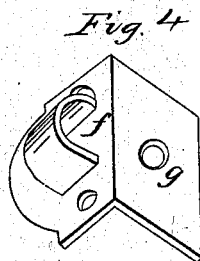
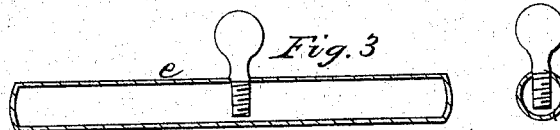
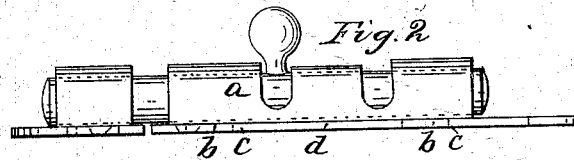
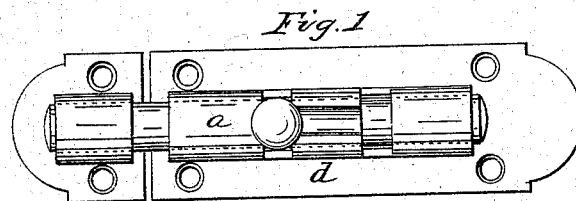


W. H. HART.
DOOR BOLT.

No. 48,555.

Patented July 4, 1865.



Witnesses:

J. B. Judd
S. R. Tanton

Inventor:

Wm. H. Hart
By J. W. Bliss

UNITED STATES PATENT OFFICE.

WM. H. HART, OF NEW BRITAIN, CONNECTICUT.

IMPROVEMENT IN DOOR-BOLTS.

Specification forming part of Letters Patent No. 48,555, dated July 4, 1865.

To all whom it may concern:

Be it known that I, WILLIAM H. HART, of New Britain, county of Hartford, and State of Connecticut, have invented certain new and useful Improvements in Bolts commonly called "Door" or "Shutter" Bolts; and I do hereby declare that the same are described and represented in the following specification and drawings.

To enable others skilled in the art to make and use it, I will proceed to describe its construction by referring to the drawings, in which the same letters indicate like parts in each of the figures.

The nature of this improvement consists in making the barrel or body in or through which the bolt slides in one piece of metal, and the plate without any openings (necessarily) except those designed for screws and hole for riveting on knob, and those to receive the prongs of the barrel, by means of which it (the barrel) is secured to said plate.

It also consists in making the bolt in tubular form, and either filled or left hollow, having its ends capped to present the appearance of solidity; also, in making the catch in a right-angle form, so as to have the screws by which it is secured take a more firm hold upon the jamb or casing of the door.

The object of this improvement is to render this class of bolts more substantial and symmetrical and attractive in their use and appearance, and therefore more desirable and cheaper of construction.

In the accompanying drawings, Figure 1 shows a top view of the bolt, barrel, and plate. Fig. 2 shows a side view of the same. Fig. 3 shows a sectional side and end view of the bolt and knob. Fig. 4 shows a perspective view of the catch-plate, into which the end of the bolt is slid to fasten the door or shutter.

Fig. 5 shows a flat plate cut square at one end and the other end cut about a half-circle, having screw-holes for securing it to the casing or jamb of the door, and opening to receive the end of the bolt, which is also designed for a catch-plate for fastening the door.

The plate *a*, which forms the barrel, is first cut with proper openings, in which the knob of the bolt slides and turns in the usual way, and is then bent or formed into its proper shape, having prongs *b*, which pass through the openings *c* formed in the plate *d*, and are riveted together, which forms the bolt-case proper.

In Fig. 3, *e* is a tube, capped at each end so as to present the appearance of solidity. I propose sometimes to insert a rod inside of this tube for larger-sized bolts, to give greater strength, if desirable.

In Fig. 4 the catch-plate *f* is made the same as in common use, except that I have provided an extra plate, *g*, formed at right angles with the plate *f*, for the purpose of securing greater firmness thereto when secured in place for use.

Thus it will be seen that by this improvement I am enabled to secure greater richness of appearance, firmness, and durability, and thereby producing a more desirable article of trade and use.

I believe I have thus shown the nature, construction, and advantage of this improvement so as to enable others skilled to make the same therefrom.

I claim—

Making the barrel of a door or shutter bolt of one piece of sheet metal, punched, formed, and secured to the plate *d*, substantially as described.

WM. H. HART.

Witnesses:

J. B. JUDD,
S. K. FENTON.