

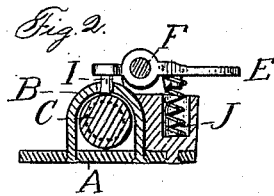
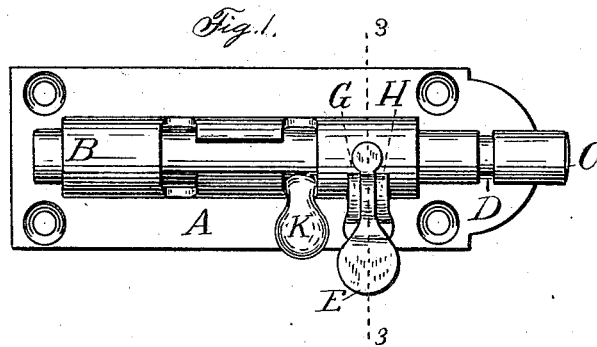
(No Model.)

C. E. HART.

BOLT.

No. 307,545.

Patented Nov. 4, 1884.



Witnesses.
John Edwards Jr.
Eddy H. Smith

Inventor.
Charles E. Hart.
By James Sheppard
Atty.

UNITED STATES PATENT OFFICE.

CHARLES E. HART, OF NEW BRITAIN, CONNECTICUT, ASSIGNOR TO THE
STANLEY WORKS, OF SAME PLACE.

BOLT.

SPECIFICATION forming part of Letters Patent No. 307,545, dated November 4, 1884.

Application filed February 23, 1884. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. HART, a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented a certain new and useful Improvement in Door-Bolts, of which the following description and claim constitute the specification, and which is illustrated by the accompanying sheet of drawings.

10 This improvement furnishes means of security in door-bolts in addition to those characteristics of door-bolts in common use.

Figure 1 of the drawings is a front elevation of the bolt proper, not including the keeper, which latter is of the ordinary form of such keepers; and Fig. 2 is a cross-section on the line 3 3 of Fig. 1.

A is the base-plate. B is the barrel. C is the bolt. D is the annular groove cut in the periphery of the bolt. E is a small lever, the fulcrum of which is the pivot F, passing through lugs G and H, or one such lug, which latter are rigidly attached to the base-plate A. I is a stud projecting from the inner face of the smaller end of the lever, and passing through a hole in the wall of the barrel B, and adapted to engage with the groove D. J is a spiral spring resting in a recess in the common base of the lugs G and H, or one such lug, and supporting the larger end of the lever, and thus forcing the stud I to engage with the groove D whenever occasion requires. K is the knob

by which the bolt C is moved to and fro. The shank of the knob works in the H-shaped slot in the barrel B, in the usual manner.

The mode of operation is as follows: Whenever the knob K is moved to the left-hand side of the H-shaped slot, the stud I engages with the groove D and prevents all longitudinal motion of the bolt C until the larger end of the lever E is pressed against the spring J and the stud thus released from the groove.

I am aware that a prior patent shows a door-bolt provided with a spring-pressed pin, which enters an orifice in the bolt and locks it when said bolt is in a given position, and I hereby disclaim the same.

I claim as my invention—

The combination of the base-plate A, having the barrel B, and one or more lugs, G and H, upon one side thereof, the bolt C, having the knob K and groove D, and the spring-pressed lever E, mounted on said lug or lugs, and having the stud I at the end nearest the bolt C, said groove D and lever E being relatively located so as to engage when the bolt is thrown into its position for locking, substantially as described, and for the purpose specified.

CHARLES E. HART.

Witnesses:

W. E. LATHAM,
CHARLES A. SCHMIDT.