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UNITED STATES PATENT OFFICE.

WALTER S. BURNHAM, OF ASHTABULA, OHIO.

IMPROVEMENT IN COMBINED DOOR BOLT AND CHECK.

Specification forming part of Letters Patent No. 219,684, dated September 16, 1879; application filed July 2, 1879.

To all whom it may concern:

Be it known that I, WALTER S. BURNHAM, of Ashtabula, in the county of Ashtabula and State of Ohio, have invented a new and Improved Door-Bolt, of which the following is a specification.

Figure 1 is a front elevation of the device, partly in section, as applied to a door. Fig. 2 is a plan of the same, partly in section, as applied to a door. Fig. 3 is a transverse sectional elevation on line *x x*, Fig. 1. Fig. 4 is an end elevation of the socket.

Similar letters of reference indicate corresponding parts.

The object of this invention is to provide a chain-bolt that, when applied to a door, will serve to securely hold it closed or partly open, as may be desired.

The invention consists of a cylindrical bolt-barrel, having a semicircular slot that extends across its top, near its rear end, and is prolonged along its sides, one of the side prolongations reaching farther forward than the other; and it further consists of a round bolt, provided with a hook in its forward end for the engagement of the chain, that is movable within the barrel, and is also provided with a handle that projects through the slot, where-with the bolt can be turned or pushed forward and retracted at will; and it consists, further, of a socket, that is to be secured to the door-frame, and is furnished with a loop, in which one end of the chain is fastened, and a horn, from which the slack of the chain may be suspended.

In the drawings, A represents the bolt-barrel, and *a'* the slot cut in it. B represents the bolt, furnished with the terminal hook *b'* and the handle *c'*. When this handle is moved along in the lower prolongation of the slot, as shown in dotted lines in Fig. 1, the hook of the bolt is turned upward, and holds the chain so far within the barrel that it cannot be detached therefrom; but when the handle is

moved rearward and turned into the upper slot, as shown also in Fig. 1, the hook turns downward, and then, as it is passed forward, releases the chain as it passes the point *d'*, where the socket is cut away, and enters the socket, thus holding the door D effectually closed.

The socket C is cut away at *d'*, so that as the bolt, with chain E attached, is thrust into it, space is given for the chain to become detached and fall off. The loop *f'* is designed for holding one end of the chain, and the horn *g'* for holding up the slack or other end of the chain, when desired.

It will be seen that when a short chain is used, which will permit the opening of the door but four or five inches, no one could reach within to the handle of the bolt, nor could any one detach the chain from the bolt while the latter remains within the barrel; hence absolute safety against intrusion is assured whether the door be opened or closed.

When bolting the door the hook on the bolt retains the chain until the end of the bolt has entered the socket, so that at no moment will the door be unsecured whether closed or open.

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

1. The within-described device, consisting of the doubly-slotted bolt-barrel A, bolt B, provided with hook *b'* and handle *c'*, socket C, cut away at *d'*, and provided with loop *f'* and horn *g'*, and chain E, constructed and arranged substantially as and for the purpose described.

2. The bolt-socket C, cut away at *d'*, and provided with loop *f'* and horn *g'*, substantially as and for the purpose described.

WALTER SCOTT BURNHAM.

Witnesses:

O. K. RALPH,
A. C. BOOTES.