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W. J. CHAFFER.

DOOR HOLDER OR BOLT.

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UNITED STATES PATENT OFFICE.

WILLIAM JOHN CHAFFER, OF MANHARPUR, INDIA.

DOOR HOLDER OR BOLT.


To all whom it may concern:

Be it known that I, WILLIAM JOHN CHAFFER, a subject of the King of Great Britain and Emperor of India, residing at Manharpur, in the Province of Bengal, India, (whose post-office address is No. 1 Grants Lane, Calcutta, India,) have invented a new and useful Improvement in or Connected with Door Holders or Bolts, of which the following is a specification.

The objects of the invention are to provide a door-holding arrangement whereby a door may be held open at any desired angle without alteration in or injury to the flooring of any description or to the carpet and whereby with a slight modification the same device may be used as a burglar-proof bolt to secure a door when closed, as it cannot be dropped by shaking the door from the outside, as with the common form of loosely-fitting tower-bolts.

Referring to the drawing which forms a part of this specification, the figure is an elevation of the door-holder drawn to about actual size. A is a base-plate, which is secured by screws to the inside of a door, its lower edge being level with the bottom of the door. B is a lever loosely pivoted at C to the base-plate, which may be depressed and secured in various positions by the rack D on the base-plate, the lever and rack being covered by a bridge E. F is a presser-foot, the lower end of which is turned up at right angles to itself and to the base-plate and is shod with a pad G of rubber, leather, or other suitable material. This presser-foot is pivoted to the lever at H and moves under a bridge I, secured to the base-plate. The lever B is constantly pressed upward by the spring J, which holds it securely in the teeth of the rack, which are slightly undercut. When the door is opened, the lever B is depressed until the presser-foot or holder F is forcibly pressed against the floor and held in that position by the lever B taking into one of the teeth of the rack D.

If it be desired to use the invention as a bolt only, the free end of the presser-foot is left straight, so as to fit into a socket which will be secured to the door-frame.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is——

In combination, a base-plate, a lever B pivoted thereto, a holder pivotally connected to the lever at a point between the pivot of the lever and its free end, a rack located upon the base-plate for engaging and holding the lever and a spring for pressing the lever against the rack-teeth, substantially as described.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

WILLIAM JOHN CHAFFER.

Witnesses:

C. S. SPARGGE,
WM. C. LANG.