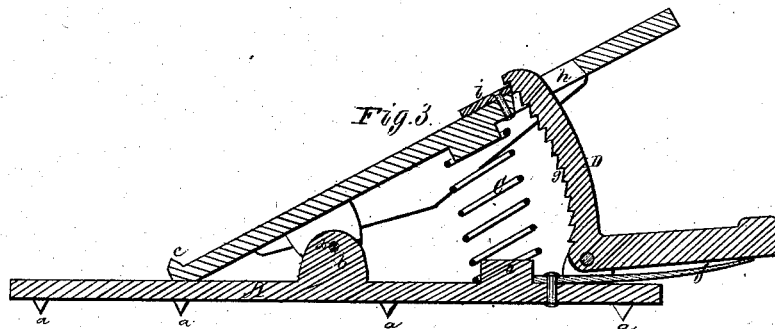
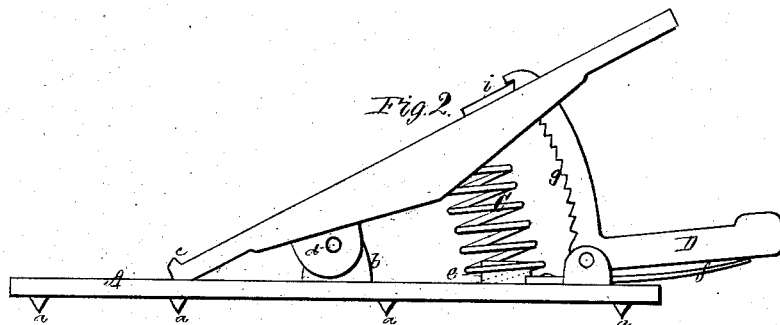
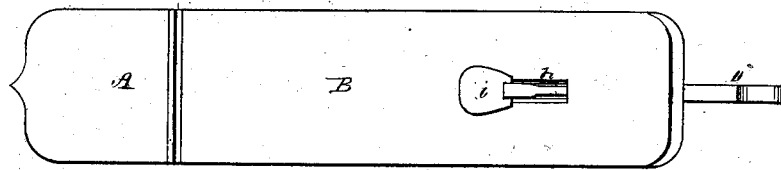


H. N. H. LUGRIN.  
DOOR CHECK.

No. 110,985.

Patented Jan. 17, 1871.



Witnesses

S. N. Piper

L. N. Miller

H. N. H. Lugin.

by his attorney.

N. H. Lugin

# United States Patent Office.

HORATIO NELSON HICKS LUGRIN, OF CHELSEA, MASSACHUSETTS.

Letters Patent No. 110,985, dated January 17, 1871.

## IMPROVEMENT IN DOOR-CHECKS.

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

*To all persons to whom these presents may come:*

Be it known that I, HORATIO NELSON HICKS LUGRIN, of Chelsea, of the county of Suffolk and State of Massachusetts, have invented a new and useful Door-Fastener; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawing, of which—

Figure 1 denotes a top view;

Figure 2, a side elevation; and

Figure 3, a longitudinal section of it.

The object of the fastener is to hold a door open at any desirable angle or position relatively to its frame, within the limits of motion of the door on its hinges.

In such drawing—

A denotes a metallic base-plate having teeth or dents, *a*, projecting from its lower surface.

At or near the middle of the said base-plate there is hinged to it, on a low standard, *b*, erected on it, a lever, B, provided with a sharp flange, *c*, projecting upward from it at its lower end; or instead of such flange there may be a row of teeth or spurs. The fulcrum or hinge-pin of the lever is shown at *d*.

A helical spring, C, supported on a stud, *e*, elevated on the base-plate, presses at its upper end against the lower surface of the longer arm of the lever B.

Furthermore, there is pivoted to the base-plate, near its rear end, a catch-lever, D, formed as represented, and provided with a spring, *f*, which, fastened to the base-plate, bears at its free end against the lower arm of the catch-lever.

The upper arm of the catch-lever *d* is serrated or furnished with teeth, as shown at *g*, extends up through a slot, *h*, in the lever B, and catches on the end of the slot or on a metallic cam-plate, *i*, fixed on the lever and arranged with the slot, as shown in figs. 1 and 3.

In using the said door-fastener, it, when the door is open to the proper extent, is to be pressed underneath the lower edge of the door so as to cause the sharp flange or teeth of the lower end of the lever B to go under and in contact with the said edge. By pressing one's foot on the longer arm of the lever the flange may be caught into the door and the lever be held down by the catch-lever D. The door will then be maintained in the required position.

In order to relieve the door from the fastener, it will only be necessary for a person to depress with his foot the lower arm of the lever-catch D so as to enable the helical spring to act and force upward the longer arm of the lever B.

I claim—

The door-fastener as composed of the dentated base-plate A and lever B, the spring C, and the lever-catch D with or without the spring *f*, arranged and combined substantially in manner and to operate as and for the purpose as hereinbefore described.

HORATIO NELSON HICKS LUGRIN.

Witnesses:

R. H. EDDY,

J. R. SNOW.