(No Model.)

L. P. HAZEN.

DOOR STOP.

No. 308,768. Patented Dec. 2, 1884.

Fig. 1.

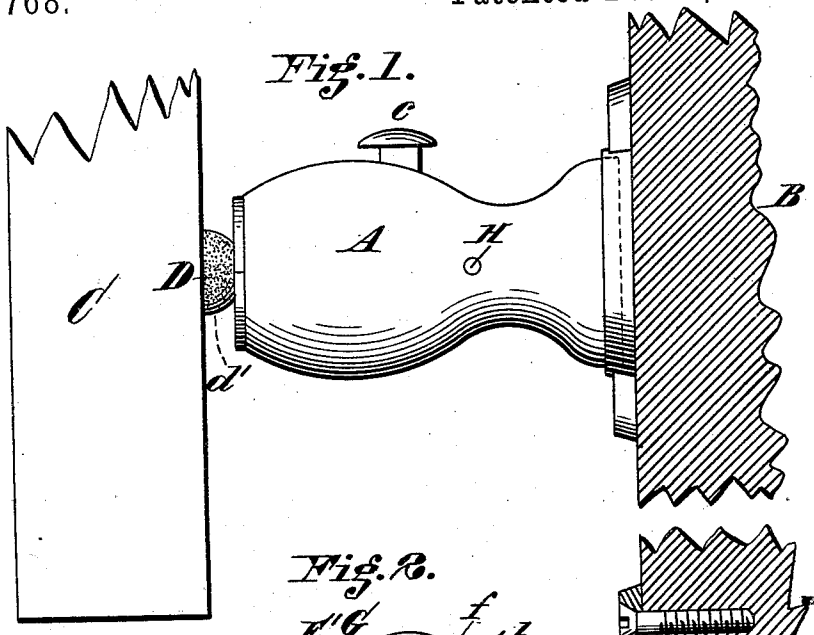


Fig. 2.

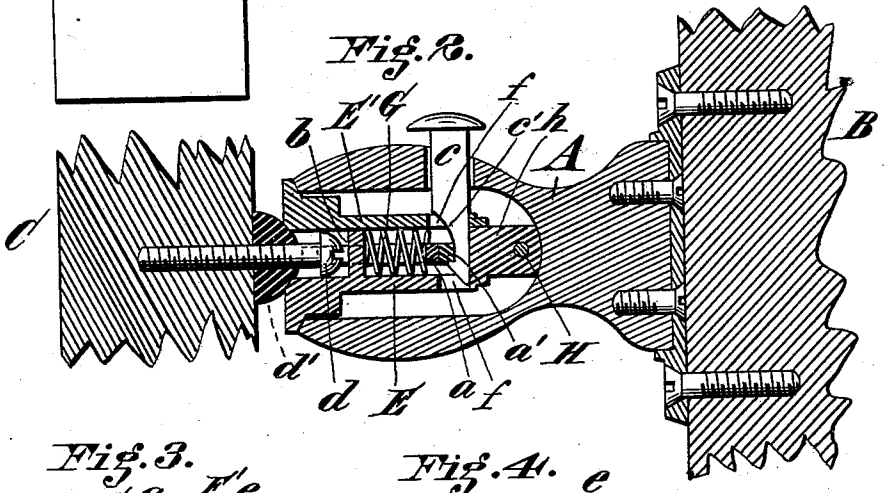


Fig. 3.

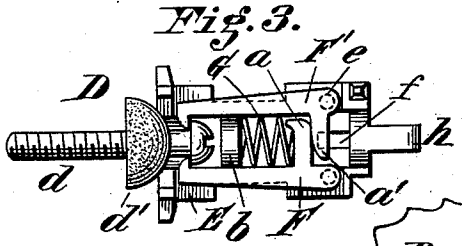


Fig. 4.

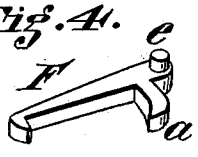
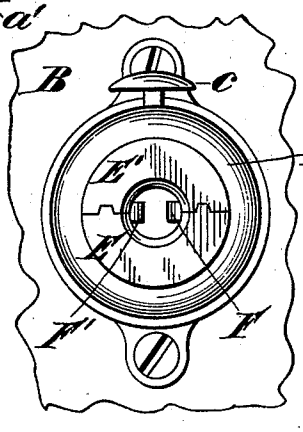


Fig. 5.



ATTEST

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UNITED STATES PATENT OFFICE.

LEVI P. HAZEN, OF CINCINNATI, OHIO.

DOOR-STOP.

SPECIFICATION forming part of Letters Patent No. 308,768, dated December 2, 1884.

Application filed July 25, 1884. (No model.)

To all whom it may concern:

Be it known that I, LEVI P. HAZEN, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Door-Stops, of which the following is a specification.

My invention relates to a door-stop; and it consists in providing a hollow wall-knob composing the stop proper with grip arms or jaws, which engage a shouldered stud or pin on the door to hold it open, said jaws being released from locking engagement with the stud by a presser-trigger to close the door.

In the accompanying drawings, Figure 1 is an elevation of a door-stop and holding device embodying my invention, being shown in operative position. Fig. 2 is a central longitudinal section of the same. Fig. 3 is a detail plan view of the interlocking devices of the door-stop. Fig. 4 is a detail perspective view of one of the jaw-arms, and Fig. 5 is an end elevation of the stop.

A represents a hollowed-out knob or block composing the body of the stop, being secured, as customary, to the skirting-board B.

C represents the lower section of a door upon which a bumper-stud, D, is secured in a position to engage a coupling device within the knob when the door is wide open to hold it so. Stud D is preferably composed of a screw, *d*, and a hemispherical elastic cushion or bumper, *d'*, the screw passing through the bumper into the door for attachment.

E E' represent a two-part box or frame set within the hollow of the knob; and F F' are jaw-arms mounted upon pivots *e*, between the two sections of the box.

a a' are inwardly-projecting lugs at the rear pivotal ends of the jaw-arms, the lug *a'* being back of lug *a*, but in direct contact therewith.

G is a coil-spring placed between lug *a* on jaw-arm F and lug *b*, projecting upwardly from section E of the box between the jaw-arms. The expansion of the spring upon lugs *a a'* serves to close the jaws and keep them so until spread apart by a foot presser-trigger, *c*. The presser-trigger is composed of a headed bar, which passes downwardly through an opening in the knob and slots *f* in the two-part box, and is provided with an inclined notch, *c'*, at its lower end, which on being depressed engages lugs *a a'*, compressing the spring and expanding the jaws to release them from connection with the head of the screw-stud D when it is desired to close the door.

H represents a pin passed through the knob and the lug *h* at the rear of section E of the two-part box, to sustain the box firmly within the knob.

I claim—

In a door-stop, the combination, with the hollow wall-knob A, of expansion-jaws F F', pivotally mounted within the knob and adapted to engage a bumper-stud, D, on the door, and a presser-trigger, *c*, for disengaging said jaws, substantially in the manner and for the purpose specified.

In testimony of which invention I hereunto set my hand.

LEVI P. HAZEN.

Witnesses:
JOHN E. JONES,
JOSEPH LITTELL.