

(No Model.)

A. JOHNSON.

DOOR CHECK.

No. 383,643.

Patented May 29, 1888.

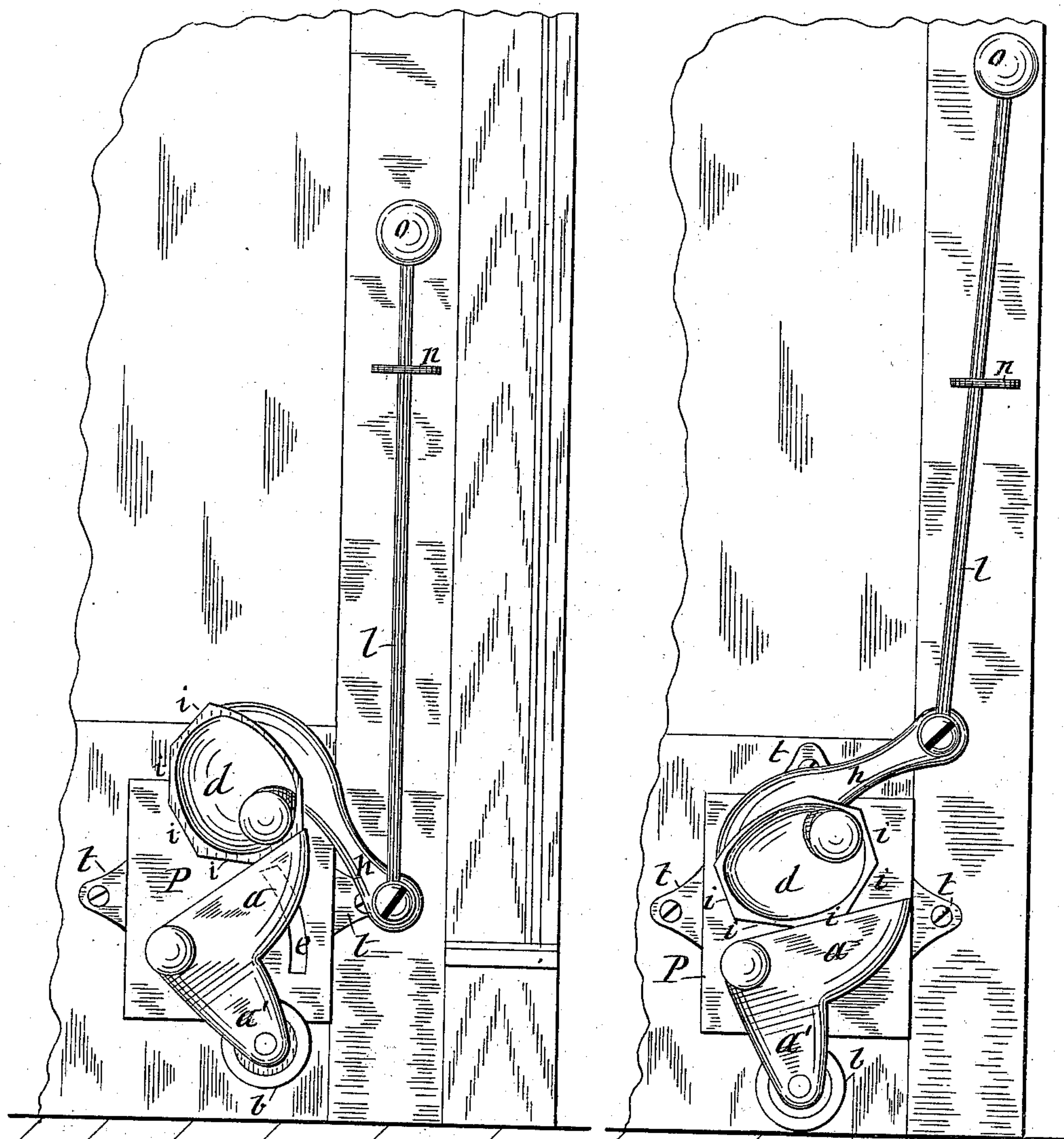


Fig. 1

Fig. 2

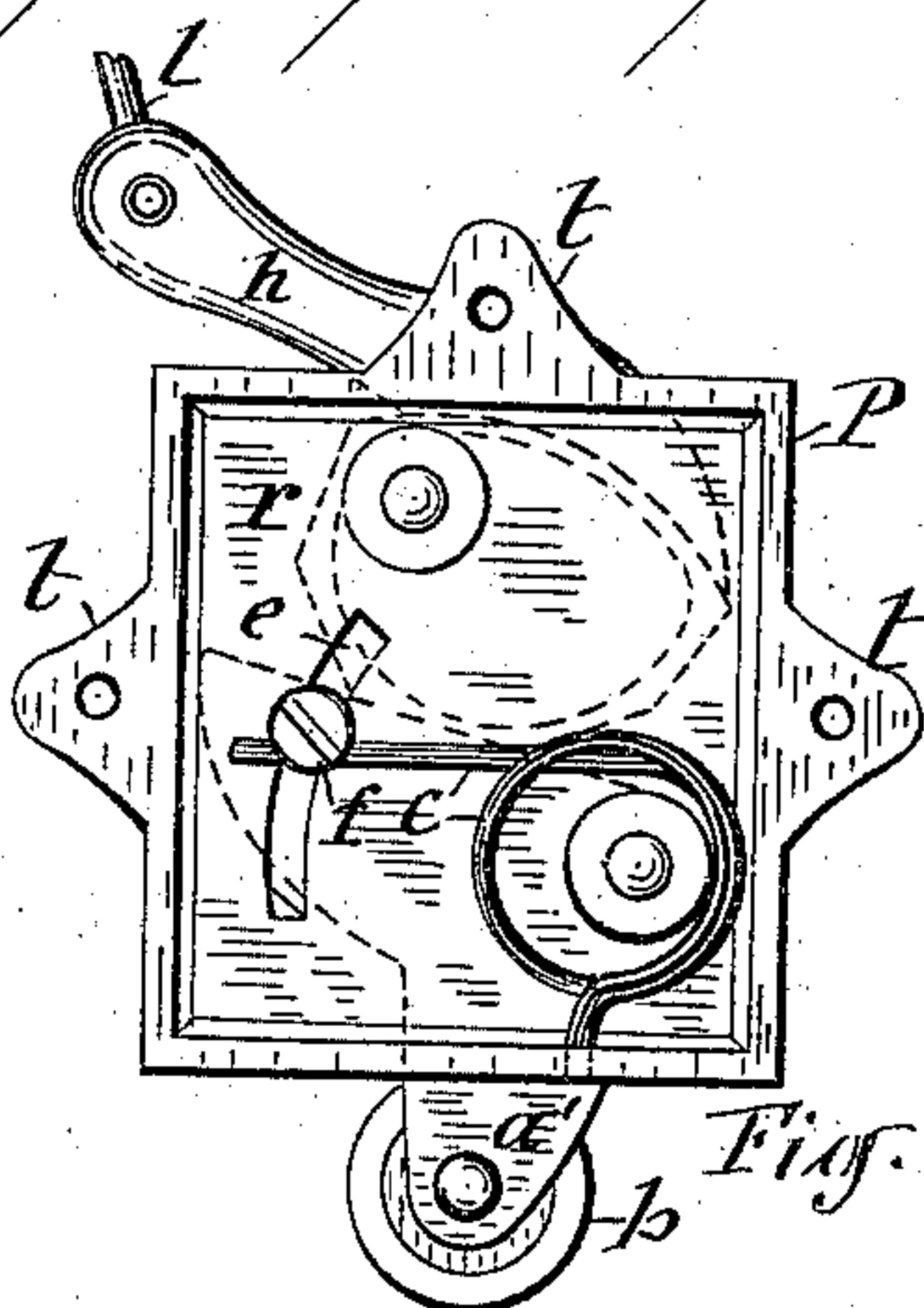


Fig. 3

WITNESSES:

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INVENTOR:

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UNITED STATES PATENT OFFICE.

ALEXANDER JOHNSON, OF CAMILLUS, NEW YORK, ASSIGNOR OF ONE-HALF
TO JEROME N. KEEFER, OF SAME PLACE.

DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 383,643, dated May 29, 1888.

Application filed April 6, 1888. Serial No. 269,795. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER JOHNSON, of Camillus, in the county of Onondaga, in the State of New York, have invented new and
5 useful Improvements in Door-Checks, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to the class of door-
10 checks which are attached to the lower portion of the door and adapted to engage the floor, so as to confine the door in its open position; and the invention consists in a novel construction and combination of parts consti-
15 tuting a door-check, which is convenient and effective in its operation, as hereinafter more fully described, and specifically set forth in the claims.

In the annexed drawings, Figures 1 and 2
20 are face views of the door-check, showing the same in its dormant and operative positions; and Fig. 3 is a detached rear face view of the same.

Similar letters of reference indicate corre-
25 sponding parts.

P is a metallic plate formed with perforated ears *t t t* for the reception of screws by which it is attached to the lower portion of the door. The back of said plate is formed
30 with a recess, *r*, for the purpose hereinafter explained. To the front of the lower portion of the plate P is pivoted at the junction of its arms a two-armed lever, *a a'*, to the lower, *a'*, of which arms is attached a cushion, *b*, of rubber or other suitable material. Said cushion
35 is preferably of the shape of a disk pivoted to the arm *a'* and standing with its plane parallel with the plane of the plate P. To the upper part of the plate P is pivoted a cam, *d*,
40 formed with flat bearings *i i i* at different distances from the pivot of the cam and adapted to successively bear on top of the arm *a* by the turning of the cam on its pivot.

To facilitate the operation of the door-check,
45 I form the cam *d* with an arm, *h*, which extends therefrom in one and the same plane with the cam, and to the free end of said arm I connect a vertical rod, *l*, which passes through a suitable guide, *n*, secured to the

door, and is provided at its upper end with a
50 knob or suitable handle, *o*, by which to manipulate it.

In the recess *r* in the the back of the plate P is a coil-spring, *c*, which has one end attached to the plate and its opposite end bearing against the under side of a pin or screw,
55 *f*, passing through a segmental slot, *e*, in the plate P, and secured to the arm *a* of the before-described lever. Said spring, pressing upward on the pin or screw *f*, causes the two-
60 armed lever *a a'* to be normally sustained in a position holding the cushion *b* raised from the floor, and thus, by pushing down the rod *l* so as to turn the cam *d* into a position which brings over the arm *a* the bearing *i*, which is
65 nearest to the pivot of the cam, the lever *a a'* turns automatically upward and carries the cushion away from the floor, as represented in Fig. 1 of the drawings. When it is desired to confine the door in its open position, the
70 rod *l* is to be drawn up, so as to cause the cam *d* to bear on the arm *a* with the bearing *i*, which is sufficient distance from the pivot of the cam to depress the lever and cause the cushion *b* to bear on the floor, as illustrated in
75 Fig. 2 of the drawings.

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

1. The improved door-check composed of
80 the two-armed lever *a a'*, pivoted at the junction of its arms, the cushion *b*, connected to the arm *a'*, the spring *c*, arranged to turn the lever upward, and the cam *d*, formed with flat bearings at different distances from the pivot of
85 the cam, and adapted to engage successively the top of the arm *a*, substantially as described and shown.

2. The combination of the plate P, formed with the recess *r* in its back and provided
90 with the slot *e*, the two-armed lever *a a'*, pivoted at the junction of its arms to the front of said plate, the cushion *b*, connected to the arm *a'*, the pin or screw *f*, connected to the arm *a* and protruding into the recess *r* of the
95 plate, the spring *c*, secured at one end in the said cavity and having its opposite end pressing upward on the pin or screw *f*, the cam *d*,

pivoted to the plate P and formed with flat bearings *ii* at different distances from the pivot of the cam, the arm *h*, extended from the cam, and the rod *l*, connected to said arm, substantially as described and shown.

5 In testimony whereof I have hereunto signed my name, in the presence of two witnesses, at

Syracuse, in the county of Onondaga, in the State of New York, this 31st day of March, 1888.

ALEXANDER JOHNSON. [L. S.]

Witnesses:

C. H. DUELL,

J. J. LAASS.