

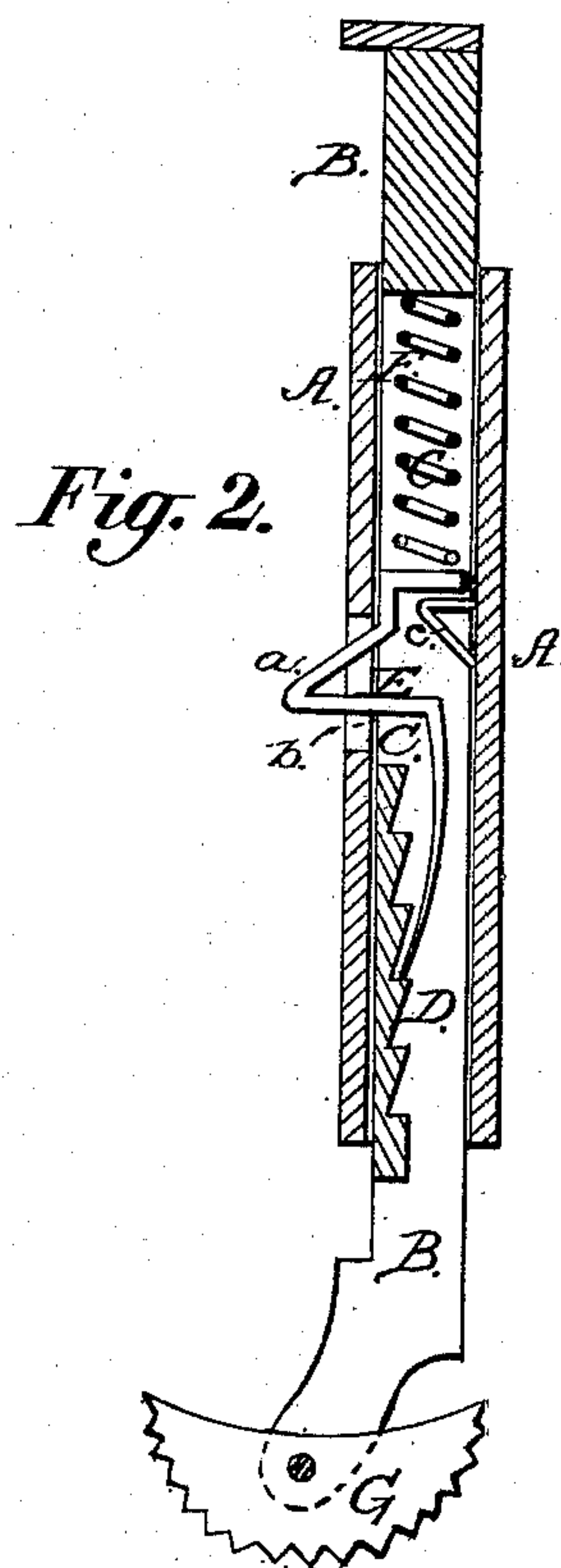
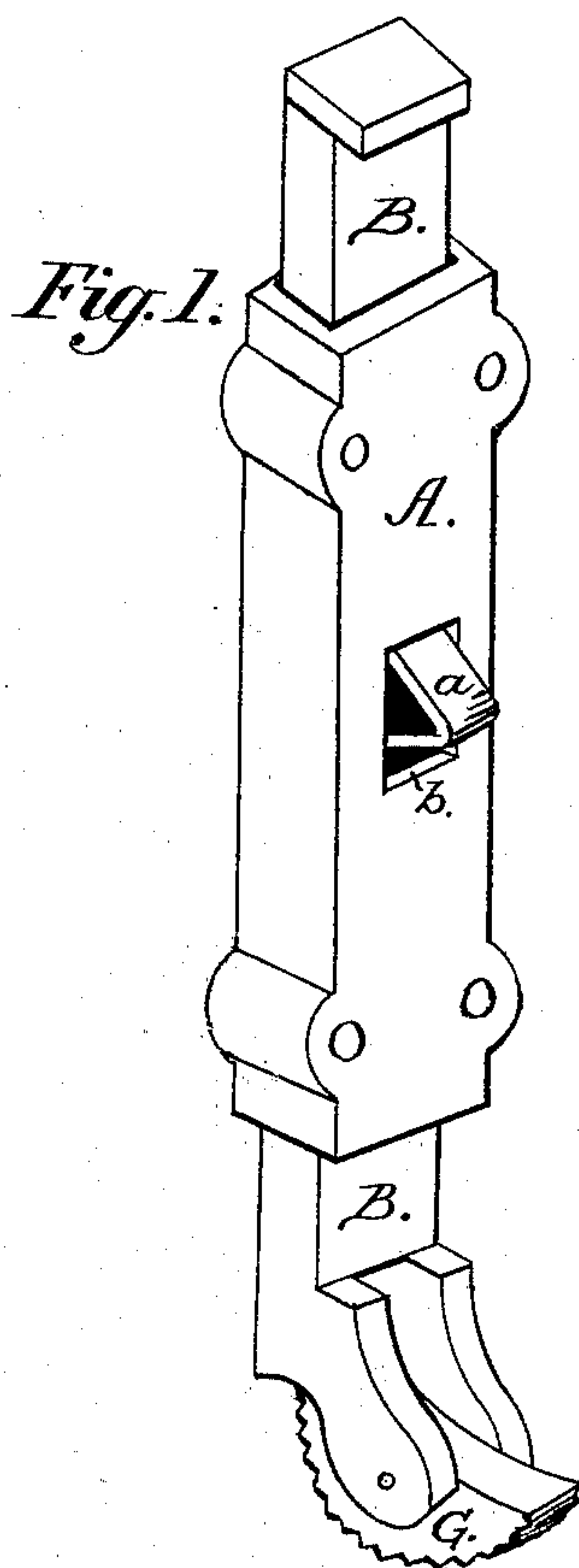
(No Model.)

W. F. OSBORN.

DOOR CHECK.

No. 262,978.

Patented Aug. 22, 1882.



WITNESSES
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UNITED STATES PATENT OFFICE.

WILLIAM F. OSBORN, OF BURLINGTON, KANSAS.

DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 262,978, dated August 22, 1882.

Application filed June 21, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM F. OSBORN, a citizen of the United States, residing at Burlington, in the county of Coffey and State of Kansas, have invented certain new and useful Improvements in Combined Door Stop and Check; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in that class of combined door bolts and checks in which a spring acted sliding plunger or bolt is held within a case adapted to be secured to the lower part of a door, and the lower end of the said plunger adapted to be brought into close contact with the floor to hold the door at any desired point; and my invention consists essentially of a sliding bolt secured within an inclosing case and provided with a central recess or groove adapted to receive a spring clutch or dog, which engages with a ratchet in said recess to hold the bolt at the desired point, the lower end of the bolt being bifurcated to receive an eccentric or cam, all as will be hereinafter more fully described, and specifically designated in the claim.

In the accompanying drawings, Figure 1 represents a perspective view of my improved device, and Fig. 2 a vertical longitudinal section of the same.

Similar letters of reference occurring on the several figures indicate corresponding parts.

Referring to the drawings, A represents a metallic case adapted to receive the sliding plunger or bolt B, which is provided with a central groove or recess, C, the lower part of which is formed with a ratchet, D, said groove or recess extending entirely through the plunger or bolt, except at that point where the ratchet is located.

E represents a pawl or dog resting within the recess C, and provided with a V-shaped projection, *a*, which extends through an opening, *b*, in the front wall of the case A, the lower part of the pawl or dog engaging with the ratchet D and the upper part with a suit-

able coiled spring, F, as fully shown in Fig. 2. The lower end of the plunger or bolt B is provided with an eccentric or cam, G, pivoted thereto, and grooved or serrated upon its face, as fully shown in the drawings.

The construction of my invention being as described, it will be observed that in the operation of the same the case A is securely attached to the lower part of the door, and when it is desired to hold or check the door at any given point the plunger or bolt B is pushed down by the foot of the operator until the eccentric G presses tightly against the floor, and the spring F, operating upon the pawl E, causes it to engage with the ratchet D to hold the plunger or bolt in place, with the cam pressing closely upon the floor, in which position it serves to securely hold the door in place. By pressing upon the V-shaped projection *a* of the pawl E the pawl is disengaged from the ratchet D, and the plunger or bolt flies upward by means of the tension of the spring F and releases the door. In the same manner the device operates to serve as a bolt to the door when shut. The interior back wall of the case A is provided with a V-shaped stop, *c*, for holding the pawl E in proper position within the said case for engagement with the ratchet.

The advantages of my invention will be readily apparent without a more minute description, inasmuch as it combines in its construction and operation a high degree of simplicity and utility, with a ready adaptation to the purpose contemplated.

Having thus described my invention, what I claim as new and useful is—

In a combined door bolt and check, the combination of the plunger or bolt B, provided with the recess or groove C, ratchet D, pawl E, having V-shaped projection *a*, spring F, and eccentric or cam G, with the case A, provided with the stop *c*, and opening *b* in the front wall thereof, substantially as and for the purpose specified.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM FAIRCHILD OSBORN.

Witnesses:

E. B. LONG,
C. H. PUFFER.