

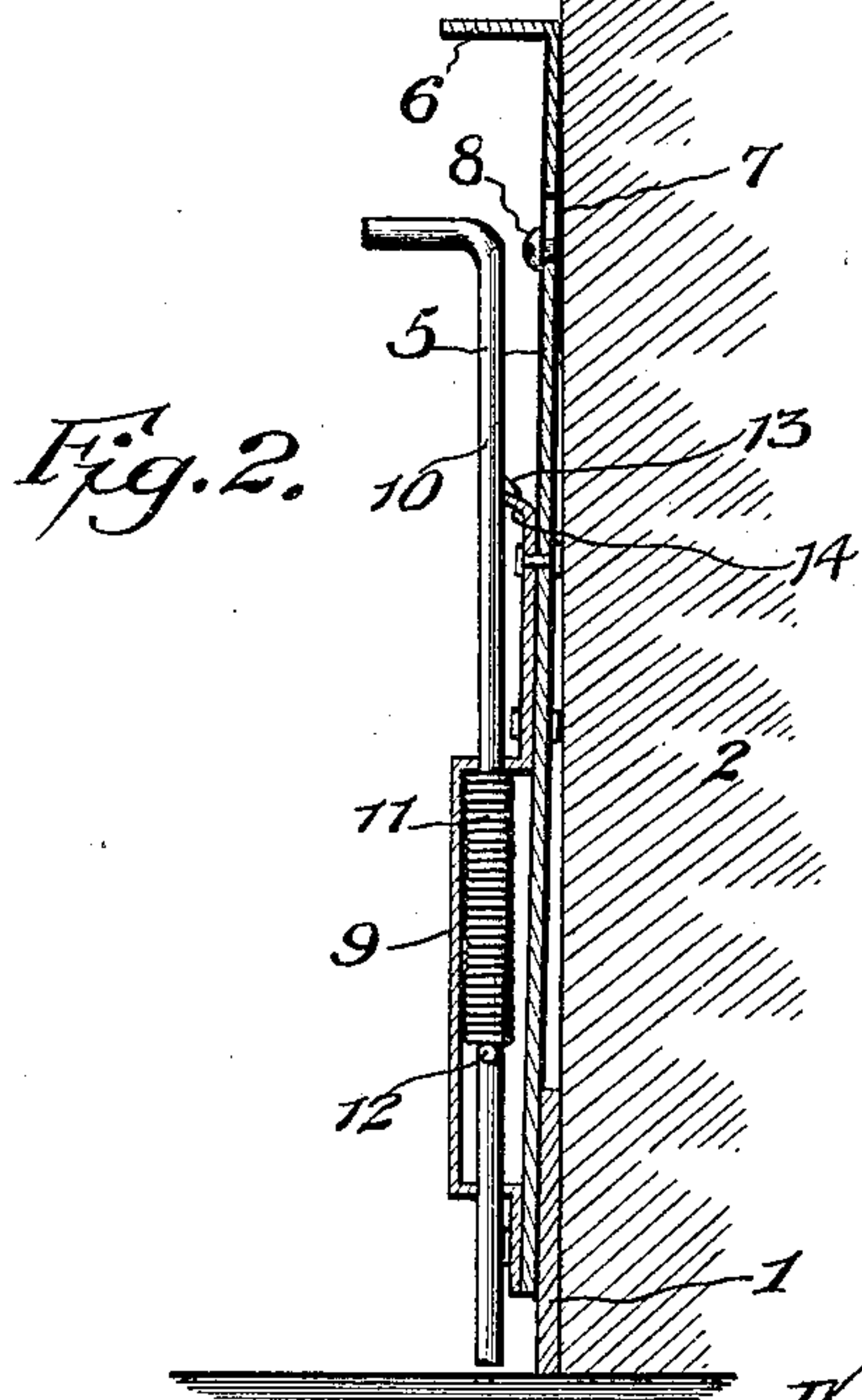
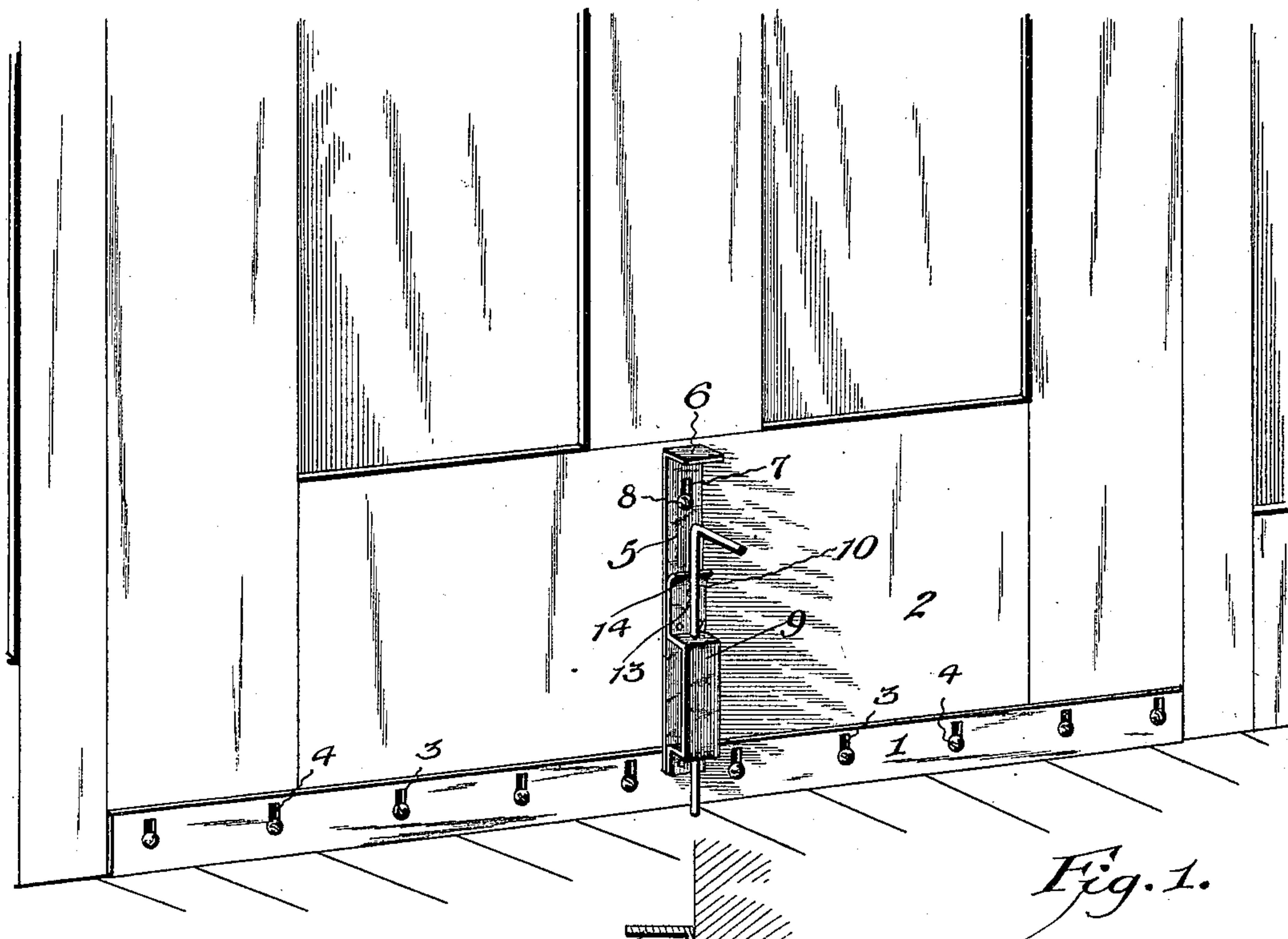
No. 611,676.

Patented Oct. 4, 1898.

N. F. CAVE.
COMBINED WEATHER STRIP AND DOOR CHECK.

(Application filed Apr. 4, 1898.)

(No Model.)



Witnesses

A. Roy Appleman
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By his Attorneys.

Inventor,
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UNITED STATES PATENT OFFICE.

NEWTON F. CAVE, OF KEARNEY, MISSOURI.

COMBINED WEATHER-STRIP AND DOOR-CHECK.

SPECIFICATION forming part of Letters Patent No. 611,676, dated October 4, 1898.

Application filed April 4, 1898. Serial No. 676,430. (No model.)

To all whom it may concern:

Be it known that I, NEWTON F. CAVE, a citizen of the United States, residing at Kearney, in the county of Clay and State of Missouri, have invented a new and useful Combined Weather-Strip and Door-Check, of which the following is a specification.

The invention relates to improvements in combined weather-strips and door-checks.

10 The object of the present invention is to provide a simple, inexpensive, and efficient device adapted to be readily mounted on a door and capable of forming an effective weather-strip for excluding air, moisture, and
15 dust.

A further object of the invention is to provide a device which will also serve as a door-check to retain a door in an open position and prevent it from closing violently and which
20 will also operate as a bolt for locking the door in its closed position.

The invention consists in the construction and novel combination and arrangement of parts, as hereinafter fully described, illustrated in the accompanying drawings, and
25 pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a combined weather-strip and door-check constructed in accordance with this invention and shown applied to a door. Fig.
30 2 is a vertical sectional view.

Like numerals of reference designate corresponding parts in both figures of the drawings.

35 1 designates a metallic weather-strip arranged flat against a door 2, on the inner face thereof, and provided at intervals with vertical slots 3, receiving screws 4 or other headed fastening devices, whereby the weather-strip
40 is secured to the door. The weather-strip, which is capable of a limited vertical movement, is adapted to slide downward behind a shouldered carpet strip or sill, and thereby effectually exclude moisture, air, or dust.

45 The weather-strip is raised and lowered by means of a stem 5, consisting of a strip of metal disposed vertically on the door at the center thereof or at any other desired point and provided at its upper end with a handle
50 or grip 6, formed by bending the strip outward or in any other suitable manner. The

strip or stem is slidingly connected with the door and is provided with a vertical slot 7, receiving a screw 8 or other suitable fastening device.

55 The stem 5 carries a guide or casing 9, consisting of an oblong loop and constructed of a strip of metal secured at its lower end to the stem 5 by the fastening devices for attaching the stem to the weather-strip and secured above the loop by suitable fastening
60 devices. The upper and lower ends of the loop or casing 9 are provided with perforations receiving a rod 10, which forms a combined door check and bolt and which is actuated by a spring 11. The spring, which is of
65 spiral form, is disposed on the rod with one end bearing against the upper end of the loop or casing 9 and its other end engaging a pin 12 or other suitable stop of the rod. The said
70 spring is adapted to hold the rod in contact with the floor and prevent the door from being closed accidentally by a current of air. When the door is closed, the lower end of the rod is adapted to engage a suitable socket,
75 and it operates as a bolt for securing the door. The upper end of the rod is bent at right angles to provide a handle or grip by means of which it may be readily manipulated.

In order to hold the rod elevated and out
80 of engagement with the floor, so that the door will swing freely, the upper end of the strip of metal of which the loop or casing 9 is constructed is bent outward to form a flange, and the rod is provided at a point between the
85 upper end of the loop or casing and the handle with a shoulder 13, adapted to engage the flange 14. The flange 14 is preferably disposed at a slight inclination, and the shoulder
90 13 is formed by a projection, which has its upper face beveled to enable it to pass the flange readily when the rod is lifted.

The invention has the following advantages: The device, which is simple and comparatively inexpensive in construction, is
95 strong and durable and adapted to be readily applied to a door. The combined weather-strip and door-check effectually excludes moisture, air, and dust, and it is adapted to hold a door open and lock it when closed.

100 Changes in the form, proportion, and minor details of construction may be resorted to

without departing from the spirit or sacrificing any of the advantages of this invention.

What I claim is—

1. A device of the class described comprising
5 ing a vertically-movable weather-strip designed to be mounted on a door, a stem connected with the weather-strip and extending upward therefrom, and a vertically-movable
10 rod mounted on the stem and adapted to engage a floor, substantially as described.

2. A device of the class described, comprising a vertically-movable weather-strip designed to be mounted on a door, a stem extending upward from the weather-strip and
15 forming a handle for the same, a casing mounted on the stem, a rod passing through the casing and adapted to engage a floor, a spring arranged within the casing and engaging the rod, and a flange or projection mount-

ed on the stem above the casing and arranged 20 to be engaged by the rod to hold the latter elevated, substantially as described.

3. A device of the class described comprising a movable weather-strip, a stem extending upward therefrom, a loop or casing 25 mounted on the stem and consisting of a strip of metal having its upper end bent outward to form a flange, and a vertically-movable rod mounted in the casing and having a shoulder for engaging the flange, substantially as 30 described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

NEWTON F. CAVE.

Witnesses:

JAMES R. MESSICK,
DENHAM KELLY.