

(No Model.)

W. R. KIZER
WEATHER STRIP.

No. 292,120.

Patented Jan. 15, 1884.

Fig. 1.

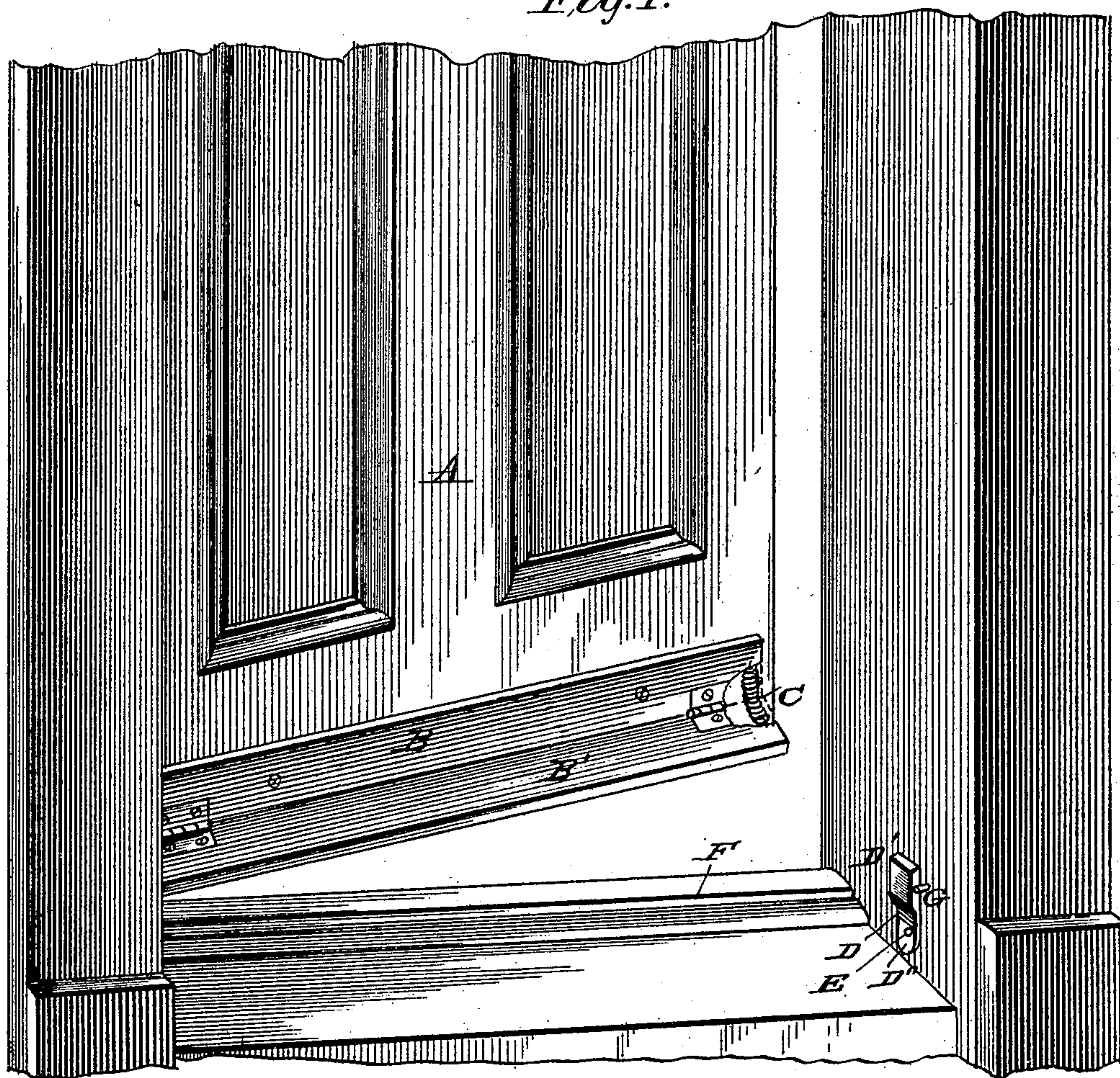
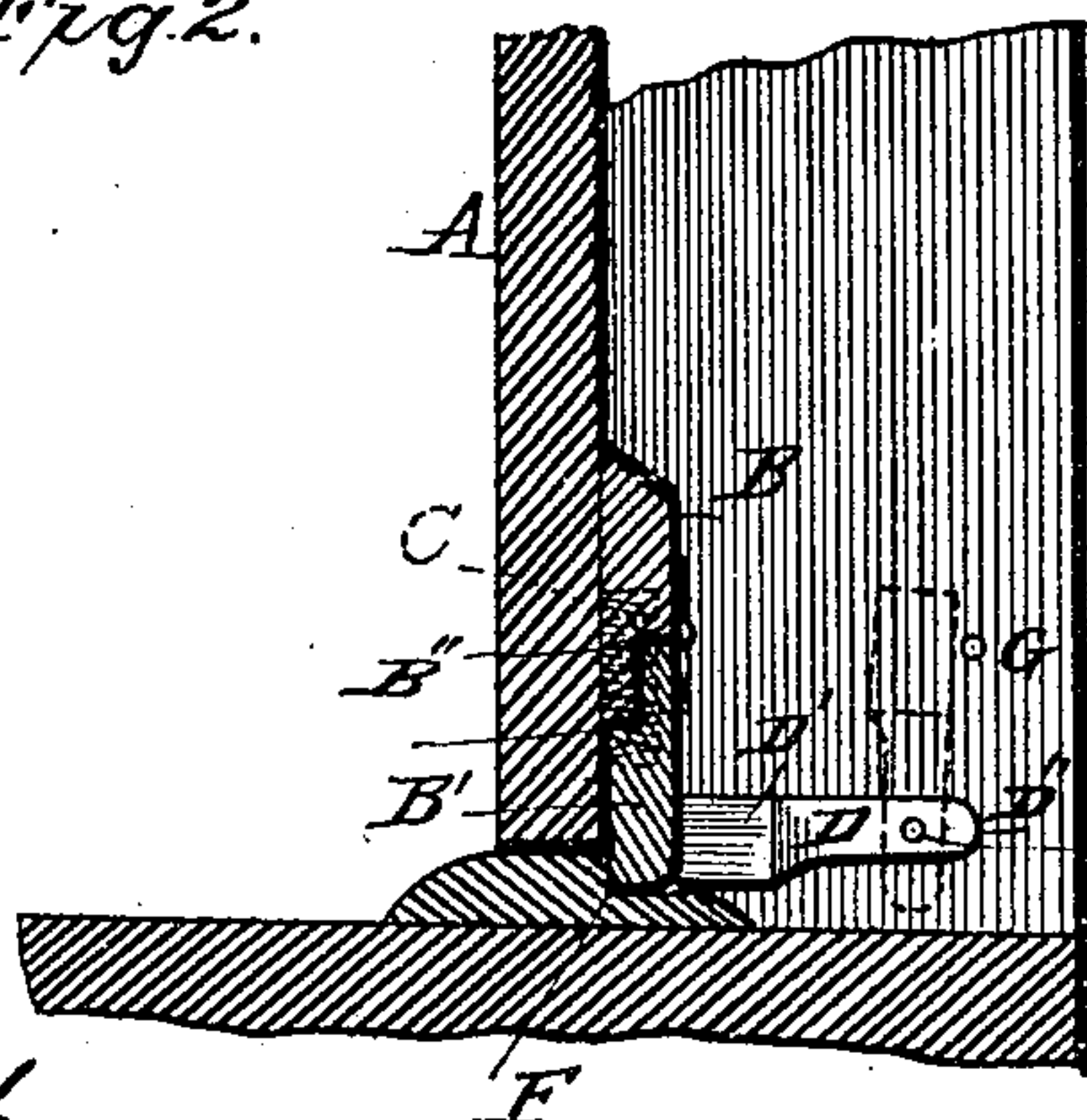


Fig. 2.



WITNESSES:

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WILLIAM R. KIZER, OF HAMMOND, ILLINOIS.

WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 292,120, dated January 15, 1884.

Application filed November 8, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. KIZER, a citizen of the United States, and a resident of Hammond, in the county of Piatt and State of Illinois, have invented certain new and useful Improvements in Weather-Strips; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective inside view of a door provided with my improved weather strip and door-check, and Fig. 2 is a vertical sectional view of the lower part of the door in its closed position.

Similar letters of reference indicate corresponding parts in all the figures.

My invention relates to that class of weather-strips for doors comprising two hinged sections or strips, one of which is rigidly secured to the lower edge of the door while the other is held above the sill of the door, while the latter is being opened or closed by means of a suitable spring or springs, and a suitable door stop or block secured to the frame of the door, and adapted to force the hinged section or strip down into its operative position when the door is closed; and it consists in the improved construction and combination of parts of a weather-strip of the above-mentioned class, as will be hereinafter more fully described and claimed.

In the accompanying drawings, A represents a door of ordinary construction, to the lower side or edge of which my improved weather-strip is affixed. This consists of the fixed piece B and hinged piece B', the meeting edges of the said pieces being notched longitudinally, as at B'', to adapt them to overlap each other when the movable portion B' is depressed or closed, thereby forming a water-tight joint.

C represents a spiral spring, which is secured between the two pieces B and B', as shown in the drawings, and serves to throw the lower hinged portion of the weather-strip open when the door is opened or the stop D thrown back, as will be hereinafter described.

D represents the door stop or check, consisting of the long weighted arm D' and the short arm D'', the said stop being pivotally se-

cured upon a bolt or pivot, E, against the side of the door-frame, in such a position that when the door is closed the hinged portion B' of the weather-strip will strike against the extremity of the long weighted arm of the stop, the said arm being normally depressed into the position shown in Fig. 2 of the drawings. The door-sill is rabbeted at F to receive the lower edge of the hinged strip B' when the latter is forced down into its closed position.

From the foregoing description, taken in connection with the accompanying drawings, the construction and manner of operation of my improved weather-strip and door-stop will readily be understood without requiring further explanation. By constructing the stop D in the manner described, it can be readily thrown back against a pin or stud, G, so as to allow the hinged portion of the weather-strip to remain in its open position in fine weather, and thereby permit pure air to enter the room under the door.

I am aware that weather-strips for doors have been heretofore constructed comprising two hinged sections or strips, one of which is rigidly secured to the lower edge of the door, while the other is held above the sill of the door while the latter is being opened or closed by means of a suitable spiral spring secured in suitable recesses between the meeting edges of the two sections, the meeting edges of the two strips being rabbeted, so as to cause them to overlap each other when the door is closed, and thereby form a joint, and a door stop or block rigidly secured to the frame of the door, and adapted to force the hinged section or strip down into its operative position when the door is closed. I do not therefore claim such construction, broadly; but

What I claim as my invention, and desire to secure by Letters Patent of the United States, is—

The combination, with a weather-strip of the described class, of the pivoted adjustable stop D, whereby the weather-strip can be employed to exclude air, or not, at pleasure, as set forth.

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

WILLIAM R. KIZER.

Witnesses:

WILLIAM L. WORTHAM,
JOHN H. KIZER.