

J. R. Weber.
Weather Strip.

N^o 96,176.

Patented Oct. 26, 1869.

Fig. 1.

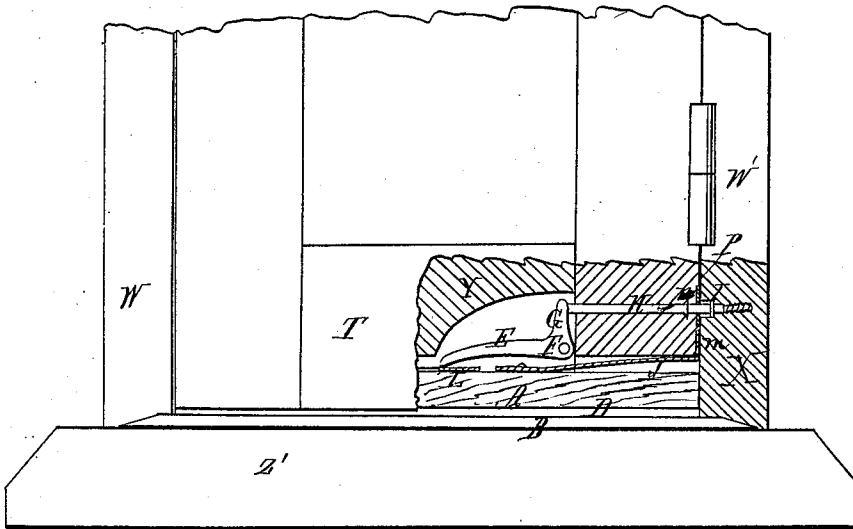


Fig. 3.

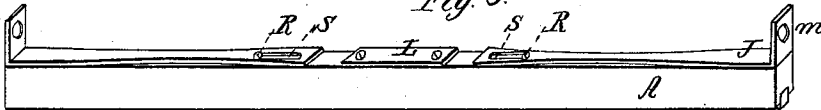
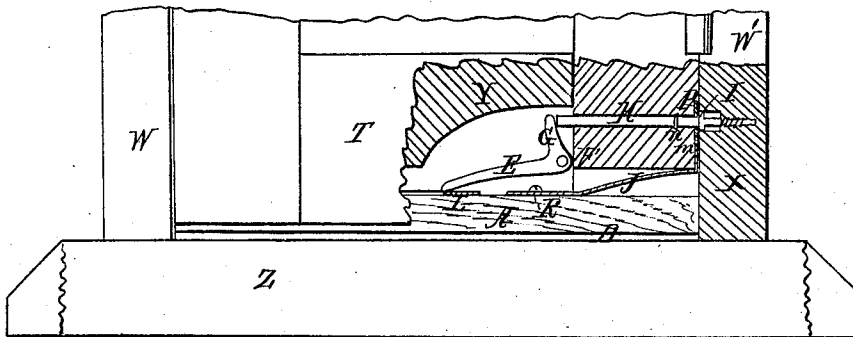


Fig. 2.



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J. R. WEBBER, OF CHICAGO, ILLINOIS.

Letters Patent No. 96,176, dated October 26, 1869.

IMPROVED WEATHER-STRIP.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, J. R. WEBBER, of Chicago, in the county of Cook, and State of Illinois, have invented an Improved Carpet and Weather-Strip for Doors; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, and letters marked thereon, making a part of this specification, in which—

Figure 1 is an elevation of the lower part of a door and its casing, a part of the door being broken away to show my improved strip.

Figure 2, the same, with the ordinary carpet-strip removed.

Figure 3, a perspective representation of the improved strip detached from the door.

The object of the present invention is to provide a weather-strip, which can be so adjusted as to shut any space or opening there may be at the bottom of a door, as effectually when the carpet-strip is removed as when one is used; and

Its nature consists in the construction and application of slotted springs, which are attached to the edges of the door, and, by means of the slots, slide on headed screws driven into the weather-strip, in combination with an elbow-lever for setting the weather strip down to the carpet or carpet-strip, and with a rod and adjustable screw for operating said lever, as the whole in detail is hereinafter fully described.

T represents the lower part of a door, and W W', the jamb-casing, the door being broken away at Y, and the jamb-casing at X, to show the devices for operating the strip A. This strip works in a groove made in the bottom of the door, and it is provided with an elastic edge, D, in the usual manner, for shutting any space there may be at the bottom of the door.

The strip A is held in the groove by means of two springs J, which are bent up at their outer ends at m, and fastened to the edges of the door T, by screws or other suitable means, and which are slotted out at S S, fig. 3, and held to the strip A by means of screws R R.

An elbow-lever, E G, is placed in a recess in the door, above the strip A, and pivoted to the door at F,

and it is so arranged, that when a rod, H, is forced inward against its upper end G, the lower end E will force the strip A downward.

The rod H operates in a suitable hole in the door, made for that purpose, and it is held in place by means of a collar or lug, n, figs. 1 and 2, and by a plate, P, fastened to the edge of the door, and it is operated upon by an adjustable set-screw, I, turned into the jamb W', to which the door is hung.

This arrangement is such, that when the door T is being shut, the rod H will strike against the screw I, and force the strip down on to a carpet or carpet-strip, and also such that the strip will rise up simultaneously with the opening of the door. The springs J, by means of the slots S, slide, during these movements, on the screws R, and the end E of the elbow-lever E G bears on a plate, L, fastened to the centre of the strip A, to prevent wear and friction.

In fig. 1, the set-screw I is so adjusted in the jamb-casing W' as to bring the strip A down on to the carpet-strip or threshold B; but, in fig. 2, the screw I is set to bring the strip down on to the carpet, where no strip or threshold B is used, the screw I, in the latter case, being simply turned out nearer to the edge of the door.

This construction and arrangement is such that the device can be attached to inside doors, whose carpet-strips are removed, without lengthening the doors, and operate equally as well as when the space below the door is small, and a threshold is used, thereby obviating the necessity of manufacturing strips to suit openings of different widths at the bottom of doors.

Having thus described my invention,

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

The slotted springs J, attached to the edges of the door T, in combination with the strip A, provided with a friction-plate, L, elbow-lever E G, rod H, plate P, and adjustable set-screw I, the latter being used to regulate the distance which the strip A is to project from the bottom of the door T, as and for the purpose set forth.

J. R. WEBBER.

Witnesses:

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