(No Model.)

# McDUFFEE BRADFORD.

## WEATHER STRIP.

No. 500,559. Patented July 4, 1893.

Fig. 1.

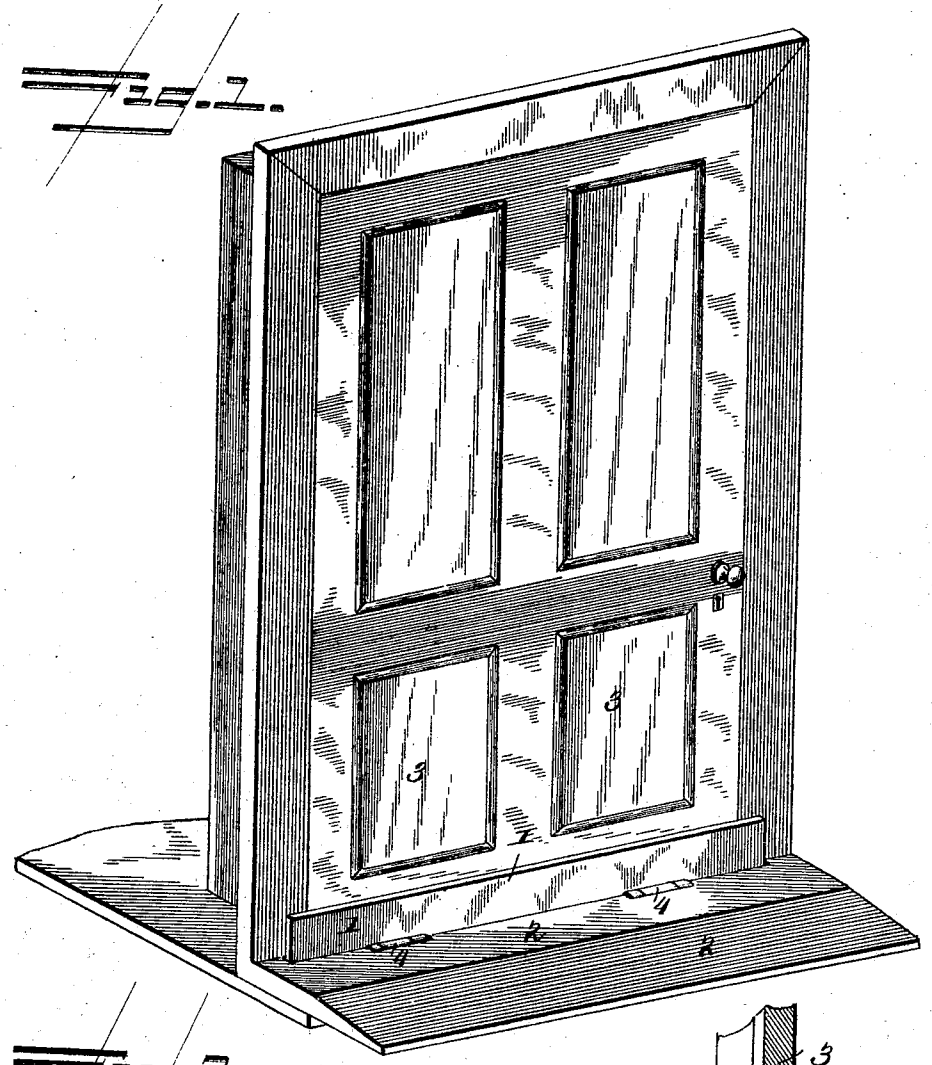



Fig. 3.

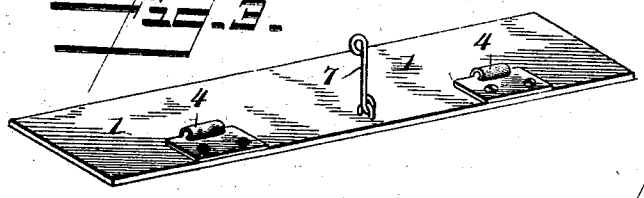
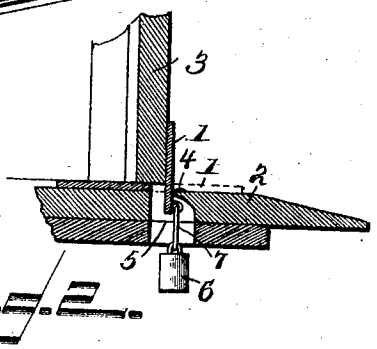



Fig. 2.




Witnesses
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# UNITED STATES PATENT OFFICE.

McDUFFEE BRADFORD, OF DECATUR, TEXAS.

## WEATHER-STRIP.

SPECIFICATION forming part of Letters Patent No. 500,559, dated July 4, 1893.

Application filed July 19, 1892. Serial No. 440,517. (No model.)

*To all whom it may concern:*

Be it known that I, McDUFFEE BRADFORD, a citizen of the United States, residing at Decatur, in the county of Wise and State of Texas, have invented a new and useful Weather-Strip, of which the following is a specification.

The invention relates to improvements in weather strips.

The object of the present invention is to simplify and improve the construction of weather strips, and to provide an inexpensive one which will be operated by the opening and closing of the door, and which will not interfere with carpets, and which will when the door is closed effectually exclude wind, rain, dust and the like.

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

In the drawings—Figure 1 is a perspective view of a weather strip constructed in accordance with this invention and shown applied to a door. Fig. 2 is an enlarged transverse sectional view. Fig. 3 is a detail perspective view of the weather strip removed.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a weather strip constructed of sheet metal and hinged at its lower face to a sill 2 and adapted when a door 3 is closed to assume a vertical position to close the crack at the bottom of the door. The hinges 4 are arranged between the sides of the weather strip, and the sill 2 is provided with a longitudinal drain opening 5 in which the lower edge or flange of the weather strip is received when the latter is in a vertical position. The weather strip is actuated by a weight 6, which is connected with the outer portion of the weather strip by a link wire 7 secured to an eye of the weight, which is of a size to play in the drain opening, and the eye on the lower face of the weather strip. When the door is closed, the weight is free to act and raises the weather strip into a vertical position as shown in Fig. 2 of the accompanying drawings.

It will be seen that the weather strip is simple and inexpensive in construction and effective in operation, and that when the door is open it holds the weather strip in a horizontal position, and that as soon as the door closes the weather strip will assume a vertical position.

The weather strip is extended beyond the door to make it more effectual.

The opening for the weather strip in the sill of the door will permit water from rain, and snow to pass through the floor without gaining access through the door, thereby greatly increasing the effectiveness of the weather strip and preventing any accumulation of water around the door and avoiding any leakage through the same.

What I claim is—

The combination of a door, a door-frame provided in the sill with a longitudinal drain opening extending through the floor to permit water to fall beneath the same, a hinged weather strip consisting of a flat plate connected between its side edges to the inner side of the drain opening of the sill and forming a narrow flange extending down into the drain opening when the weather strip is in a vertical position, a weight arranged beneath the sill and of a size to play in the drain opening, and the link 7 hingedly connected to the weather strip and to the weight and depending from the former and arranged in the drain opening, substantially as described.

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

McDUFFEE BRADFORD.

Witnesses:
TOM W. BROWN,
W. M. FEAGLE.