



## UNITED STATES PATENT OFFICE.

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## WEATHER STRIP.

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My invention relates to a weatherstrip, and more particularly has in view to produce a weather strip adapted for application to a door jamb or door sill to be engaged by an edge surface of the door, that is to say, either a side edge surface of the door or the bottom surface thereof.

The invention has for its particular object to provide a weatherstrip including a base and a flexible element, with the base so formed that it will unfailingly clamp portions of the flexible element in a manner to prevent the possibility of the detachment of said element.

Reference is to be had to the accompanying drawings forming a part of this specification, it being understood that the drawings are merely illustrative of one example of the invention.

Figure 1 is a perspective view of a portion of a door frame, said frame having a weatherstrip, formed in accordance with my invention, applied to said jamb of the door frame.

Figure 2 is a perspective view of the weatherstrip.

Figure 3 is a section on the line 3—3 of Figure 1.

In the drawings the letter A indicates a door frame, *b* the vertical side edge surface of a door B, and C fasteners securing the base of the weatherstrip to the door jamb A.

My improved weatherstrip, designated generally by the numeral 10, has a base 11, and the material of said base is turned over, the sides being brought toward each other, as indicated at 12, forming clamping members. The material extends at the terminal edge portions outwardly in parallel relation as indicated at 13, said members 13 forming clamp members for the sides of the weatherstrip.

The flexible element 14 constitutes the contact member of the weatherstrip and has a core 15 therein. The material of the element 14 is carried between the terminal clamp members 13, as indicated at 16, then lateral-

ly outward in opposite directions between the bottom of the base 11 and the inwardly turned clamp members 12, as indicated at 17. It is to be observed that the terminal clamp members 13 engage the material of the flexible element 14 in a manner to hold the same in close relation to the core 15, leaving only sufficient of the material of the element 14 to permit the core 15 with the wrapping of element 14 about the same to flex but in a manner to hold the core 15 tightly within the wrapping of the element 14.

The described construction provides a strong weatherstrip and in which the clamp portions 16 and 17 of the weatherstrip are firmly held, leaving the projecting portion having the core 15 adapted to flex readily and contact with the side edge portion *b* of the door or the bottom edge surface of the door.

I claim:

A weatherstrip comprising a base of stiff material presenting a bottom, clamp members integral with the bottom and turned inwardly toward each other overlying the base, and terminal clamp members directed laterally outward perpendicular to the base and substantially parallel with each other, the inwardly directed members being spaced from the bottom of the base and the terminal clamp members being spaced from each other; together with a weatherstrip of flexible material presenting sides which extend between the terminal clamp members and then laterally outward between the bottom of the base and said inwardly turned members, and a core, wrapped about which is the material of said flexible weatherstrip, the said terminal clamp members of the stiff material integral with the base terminating along a line of the flexible weatherstrip to hold the said weatherstrip closely wrapped about the said core to hold the same tightly within the material of the weatherstrip.

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