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C. C. CURLEY

2,575,657

THRESHOLD PLATE ASSEMBLY

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Fig. 1.

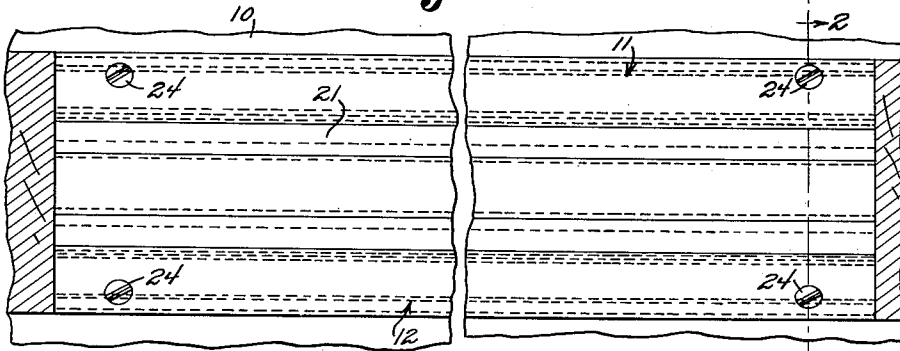


Fig. 2.

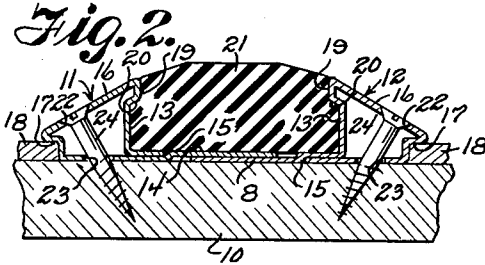


Fig. 3.

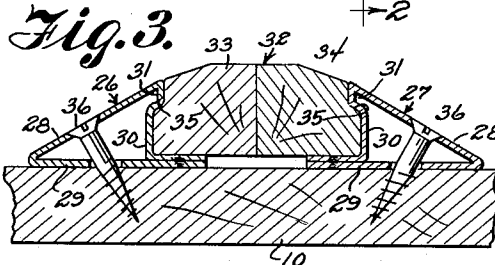


Fig. 4.

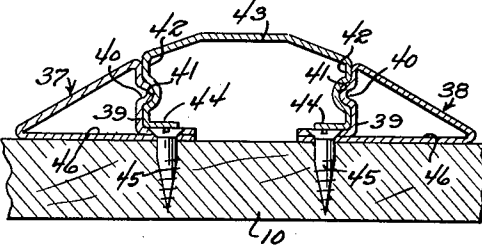


Fig. 5.

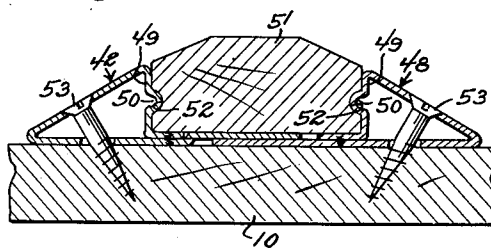
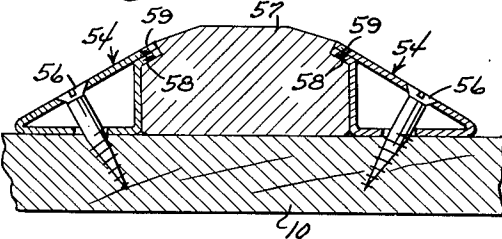


Fig. 6.



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THRESHOLD PLATE ASSEMBLY

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1 Claim. (Cl. 20-64)

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This invention relates to building construction, and more particularly to a plate assembly for attachment to a threshold.

The object of the invention is to provide a plate assembly for placement on a threshold of a building which will prevent slipping or skidding on the threshold, and which will protect the threshold from wear.

Another object of the invention is to provide a threshold plate assembly which can be easily assembled and disassembled for replacement of the parts of the assembly as desired.

A further object of the invention is to provide a threshold plate assembly which is extremely simple and inexpensive to manufacture.

Other objects and advantages will be apparent during the course of the following description.

In the accompanying drawings forming a part of this application, and in which like numerals are employed to designate like parts throughout the same:

Figure 1 is a top plan view of the assembly attached to a threshold of a door frame or the like according to the present invention;

Figure 2 is a sectional view taken on the line 2-2 of Figure 1;

Figure 3 is a view similar to Figure 2 of a modified threshold plate assembly;

Figure 4 is a view similar to Figure 2 of another plate assembly;

Figure 5 is a similar view of another modified plate assembly;

Figure 6 is a view of still another modified plate assembly.

Referring in detail to the drawings, the numeral 10 designates a portion of a floor of a building constituting the threshold thereof, and the device of the present invention is designed to prevent wear to the threshold, and also to prevent slipping and skidding on the part of persons or vehicles passing over the threshold. In Figures 1 and 2 of the drawings, the device is shown to comprise a pair of opposed casings or frames 11 and 12. The casings are preferably fabricated of suitable metal and casing 11 includes a vertically-disposed side wall 13, a bottom wall 14 provided with an offset portion 15, and an inclined end wall 16. The other casing 12 has its side wall 13 terminating in a horizontally-disposed bottom portion 17 which is positioned under the bottom wall 14 when the device is assembled and in use. The bottom walls 14 are each bent to define a longitudinally-extending recess 17 for snugly receiving therein a portion of a suitable floor covering 18. The side walls 13

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are each shaped to define a longitudinally-extending ledge 19 and the ledges 19 seat in a longitudinally-extending cutout 20 arranged on each side of a body member 21 so that the body member 21 will be retained in the space or channel between the casings 11 and 12. The end wall 16 is provided with countersunk holes 22 and the bottom wall 16 has holes 23, there being suitable screws 24 extending through these holes and into the threshold 10 for securing the device thereto.

In Figure 3, the plate assembly is shown attached to a portion of a sill 10. The plate assembly comprises a pair of casings 26 and 27 which each comprise an apertured inclined end wall 28, an apertured horizontally-disposed bottom wall 29, and a vertically-disposed side wall 30 provided with a longitudinally-extending ledge or lip 31. The casings 26 and 27 are adapted to be moved toward and away from each other to accommodate various sizes of body members 32 therebetween, and the body member may comprise a pair of superposed sections 33 and 34, each provided with cutouts 35 for receiving the lips 31. Suitable screws 36 are used for securing the casings 26 and 27 to the sill 10.

In Figure 4, there is shown a plate assembly in section and the assembly comprises a pair of casings 37 and 38 which each include a bottom wall 46, a vertically-disposed side wall 39 provided with a longitudinally-extending rib 40 which seats in the recesses 41 of the legs 42 that depend from the hollow body member or wear strip 43. The lower ends of the side walls 39 are bent at right angles to define horizontal flanges 44, and screws 45 project through the flanges 44 and bottom wall 46 to secure the device to the door frame or sill 10.

In Figure 5, the plate assembly includes a pair of casings 48 each having a side wall 49 provided with a longitudinally-extending rib 50. A body member 51 is positioned between the casings 48 and is provided with opposed grooves 52 for receiving the ribs 50 in order to prevent movement of the body member. This construction permits the body member 51 to be quickly replaced, as desired, by either removing the screws 53 and removing one of the casings 48, or moving the body member 51 vertically out of the space between the side walls 49.

Referring to Figure 6, there is shown another embodiment which is especially useful where heavy vehicular traffic passes over the threshold. Thus, there are provided a pair of casings 54 secured to the sill 10 by screws 56. A body mem-

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ber 57 is supported on the sill 10 and is arranged between the casings 54. The body member is also cut away on each side, as at 58, to receive a lip 59 projecting from each of the casings in order to retain the body member therein.

From the foregoing, it will be apparent that a device has been provided which will protect sills or thresholds from wear. The assemblies are adjustable, and the body members are fabricated of a material which will prevent skidding or slipping. The various parts of the device may be readily replaced as desired. The assembly is especially useful on doors of homes, garages, or wherever constant wear tends to destroy a sill.

As many embodiments may be made of this inventive concept, and as many modifications may be made in the embodiment hereinbefore shown and described, it is to be understood that all matter herein is to be interpreted merely as illustrative and not in a limiting sense.

I claim:

In a plate assembly for a threshold, a pair of elongated casings each embodying a horizontally-disposed bottom wall arranged contiguous to said threshold, said bottom wall being shaped to define a longitudinally-extending recess for receiving a portion of a floor covering therein, a vertically-disposed side wall supported by said bot-

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tom wall and provided with a longitudinally-extending ledge, a body member positioned between said casings and supported by the bottom walls thereof, said body member being provided with a pair of longitudinally-extending cutouts for receiving said ledges to prevent shifting of said body member, the bottom wall of one casing having an offset portion therein and the side wall of the other casing having an offset portion extending therefrom parallel to the offset portion on the bottom wall of the first casing so that said offset portions are arranged in overlapping relation to each other below and in contact with the lower surface of said body member.

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