Oct. 28, 1952 L. L. SIEGEL 2,615,188

DEVICE FOR REMOVING MUD AND DIRT FROM SHOES

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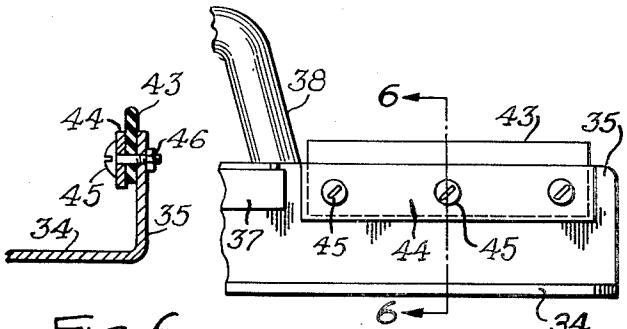

FIG. 6

FIG. 5

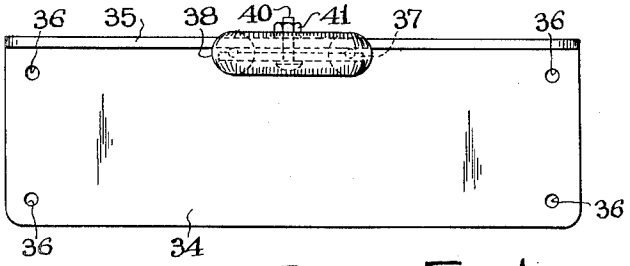

FIG. 1

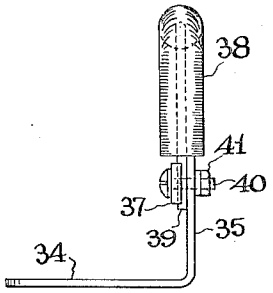

FIG. 3

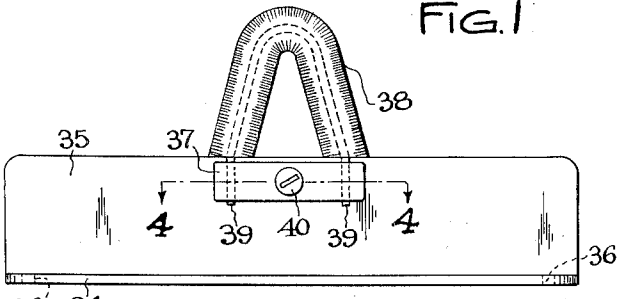

FIG. 2

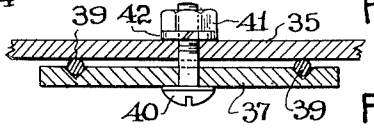

FIG. 4

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DEVICE FOR REMOVING MUD AND DIRT FROM SHOES

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8 Claims. (Cl. 15—112)

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This invention relates, as indicated, to devices for removing mud and dirt from shoes.

A primary object of the invention is to provide a device of the character described, through the use of which, in an easy and simple manner, mud and dirt can be effectively scraped from the bottoms and edges of shoes.

Another object of the invention is to provide a device of the character described, which consists of a minimum number of parts which can be manufactured in large quantities at low cost, and which can be quickly and easily assembled or disassembled.

A further object of the invention is to provide a device of the character described, which can be easily cleaned after use thereof, and which can be readily attached to a porch floor or similar surface.

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

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

Fig. 1 is a top plan view of one form of device embodying the principal features of the invention;

Fig. 2 is a front elevation of the device of Fig. 1;

Fig. 3 is an end elevational view of the device of Fig. 2, as viewed from the right side of Fig. 2;

Fig. 4 is a fragmentary cross-sectional view, on an enlarged or full-size scale, taken on the line 4—4 of Fig. 2;

Fig. 5 is a fragmentary view, similar to Fig. 2, but showing a modification of the device, and

Fig. 6 is a fragmentary cross-sectional view, taken on the line 6—6 of Fig. 5.

Referring more particularly to Figs. 1 to 4 inclusive of the drawing, the device will be seen to comprise an elongated member of angular cross-section, consisting of a base 34 and an upstanding scraper blade 35, the base having perforations 36 through which screws may be inserted for attachment of the base to a floor.

Removably mounted on the blade 35, as by means of a plate 37, is a brush 38 of inverted V-shape, which extends above the blade 35, and has stem portions 39 disposed between the blade and plate, and which are clamped to the blade by the plate. The plate 37 is removably secured to the blade 35 by means of a bolt 40 and nut 41, a block washer 42 being interposed between the blade 35 and nut 41.

In the use of this device, the sole or heel of the shoe is passed over one side of the upper edge

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of the scraper blade 35 with one edge of the sole or heel moving against the brush 38. The sole or heel of the same shoe is then passed over the other side of the upper edge of the scraper blade, with the other edge of the sole or heel moving against the brush 38. In this manner, mud and dirt are effectively removed from the shoe.

The device as shown in Figs. 1, 2, 3 and 4, can be manufactured at extremely low cost, from aluminum angles, and the brush can be quickly and easily replaced when worn.

In Figs. 5 and 6, a modification of that form of the invention shown in Figs. 1, 2, 3 and 4, is shown, in which a flexible rubber wiper member 43 is removably clamped to the blade 35, at one side thereof, as by means of a plate 44, screws 45 and nuts 46, the upper edge of the member 43 projecting about one-fourth of an inch above the upper edges of the blade 35 and plate 44. Due to the flexibility of the member 43, it readily accommodates itself to the rounded transverse curvature of the arch of the shoe, when the shoe is drawn thereover. In this way, mud and dirt are removed more completely from such curved surfaces.

It is to be understood that the forms of my invention, herewith shown and described, are to be taken as preferred examples of the same, and that various changes in the shape, size and arrangement of parts may be resorted to, without departing from the spirit of my invention, or the scope of the subjoined claims.

Having thus described my invention, I claim:

1. In a device of the character described, an elongated member of angular cross-section having a base portion adapted for attachment to a horizontal surface, and an upstanding portion formed integrally with said base portion and coextensive in length with the length of said base portion, flexible shoe scraper blades removably secured to said upstanding portion in longitudinally-spaced relation to each other, with the upper portions thereof projecting above the upper edge of said upstanding portion of said member, and a brush mounted on the upstanding portion of said member between said blades, said brush having bristles disposed adjacent the inner ends of said scraper blades and engageable by the shoe as the shoe is moved across either scraper blade.

2. A device, as defined in claim 1, in which said brush is of inverted V-shape, with the ends of the arms thereof clamped to said upstanding portion of said member.

3. A device, as defined in claim 2, in which

said arm ends are clamped to said upstanding portion of said member by means of a plate which is removably secured to said member.

4. In a device of the character described, an elongated member having a flat base portion adapted for attachment to a horizontal surface, said member having a vertical upstanding flange extending continuously from one end of said base portion to the other end thereof, and at right angles to said base portion, said flange formed integrally with said base portion, said flange having shoe scraping means associated with the upper portion thereof, a brush mounted on said flange intermediate the ends thereof to separate said means into right and left portions, said brush having portions thereof disposed adjacent the inner ends of said right and left portions and having bristles engageable by the shoe as the shoe is moved across either scraper portion.

5. A device, as defined in claim 4, in which said brush is of inverted V-shape, with the ends of the arms thereof clamped to said flanges.

6. A device, as defined in claim 5, in which said arm ends are clamped to said flange by a plate, which is removably secured to said flange.

7. In a device of the character described, an elongated member of angular cross-section, having a base portion adapted for attachment to a horizontal surface, and an upstanding portion, the upper edge of which constitutes a scraper blade adapted to remove mud and dirt

from shoes as the shoe is drawn thereacross, and a brush mounted on said blade intermediate the ends thereof, said brush dividing said blade into right and left portions and having portions thereof disposed adjacent the inner ends of said right and left portions, said brush being of inverted V-shape, with the ends of the arms thereof clamped to said blade.

8. A device, as defined in claim 7, in which said arm ends are clamped to said blade by means of a plate which is removably secured to said member.

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