April 29, 1924. 1,492,526

O. L. MORSEN

FOOT SCRAPER

Filed Nov. 8, 1922

FIG. 1.

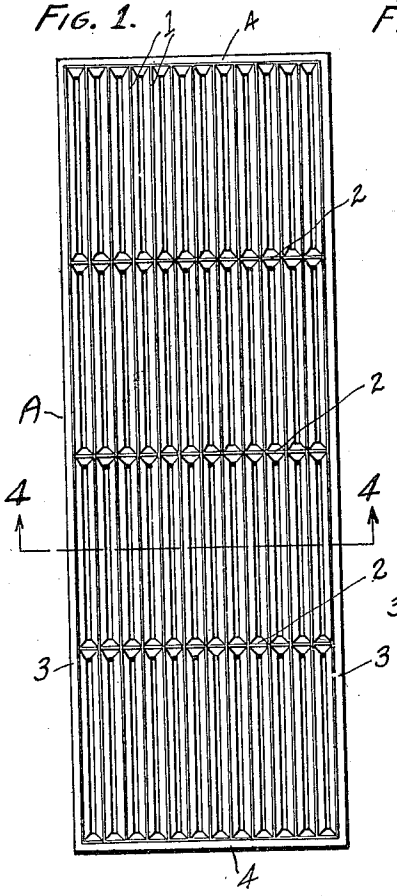


FIG. 2.

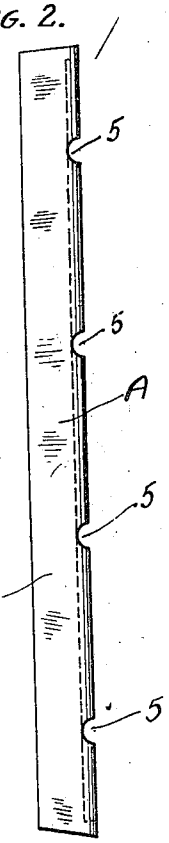


FIG. 3.

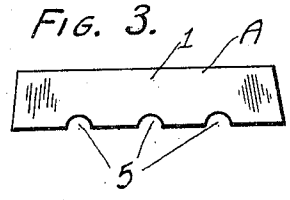
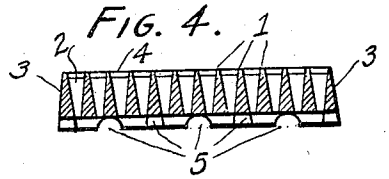


FIG. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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FOOT SCRAPER.

Application filed November 8, 1922. Serial No. 599,665.

To all whom it may concern:

Be it known that I, OSCAR L. MORSEN, a citizen of the United States, and a resident of Akron, in the county of Summit and State of Ohio, have invented a new and Improved Foot Scraper, of which the following is a full, clear, and exact description.

This invention relates to improvements in foot scrapers, an object of the invention being to provide a scraper for boots and shoes which may function as a door mat or which may be exposed to the weather, and which will serve to clean the shoes or boots by rubbing them across the device.

A further object is to provide a foot scraper which will be self cleaning in the sense that the particles will fall through the same and in the event of rain or the application of water, the latter will flow through the device and from under the device to thoroughly cleanse the scraper.

With these and other objects in view, the invention consists in certain novel features of construction and combinations, and arrangement of parts, as will be more fully described and pointed out in the claims.

In the accompanying drawings—

Figure 1 is a top plan view illustrating my improved foot scraper.

Figure 2 is an edge view.

Figure 3 is an end view.

Figure 4 is a view in transverse section on the line 4—4, of Figure 1.

My improved foot scraper A, is preferably of general rectangular shape in plan, and comprises a series of parallel longitudinal webs 1 which are connected by integral transverse webs 2. All of the webs are of tapering form in transverse section, being narrowest at their upper edges and tapering toward their lower edges.

The outside, or border, longitudinal and transverse webs 3 and 4, and certain other longitudinal webs 1, are slightly deeper than the other webs, and serve to support the other webs above the floor or ground, and the lower portions of these deeper webs 1, 3 and 4, are provided with recesses 5 to allow water to flow freely from under the device and carry with it dirt and particles which have settled between the webs.

I would call attention particularly to the fact that the upper edges of the intermediate transverse webs 2 are in a slightly lower plane than the upper edges of the longitudinal webs, so that they do not interfere with the scraping action on the longitudinal webs.

In operation the shoe, or boot is scraped across the longitudinal webs and the dirt will be scraped off and fall down between the webs. When it is desired to clean the device, it is simply necessary to pour water through the same, which water will flow out through the recesses 5 and carry with it the accumulation between the webs.

While I would have it understood that I preferably construct my improved scraper of stiff cured rubber, making all of the parts integral, it is obvious that I do not limit myself to the particular material employed, nor to the particular number of webs.

Various slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

I claim:

1. As a new article of manufacture, a foot scraper, comprising a plurality of longitudinal and transverse integral webs of rubber and inverted V-shaped in cross section, the outside or border longitudinal and transverse webs and certain of the intermediate longitudinal webs being deeper than the other webs and provided in their lower edges with recesses, the inner transverse webs having their upper edges in a lower plane than the longitudinal webs.

2. A device of the character described, comprising a series of longitudinal and transverse integral webs, all of said webs having least width at their upper edges and tapering toward their lower edges, the intermediate transverse webs having their upper edges in a plane lower than the plane of the longitudinal webs and the outside or border longitudinal and transverse webs deeper than the other webs supporting the device, and having recesses in their lower edges.

OSCAR LEONARD MORSEN.