(No Model.)

W. B. CURTIS.

DOOR MAT.

No. 456,085. Patented July 14, 1891.

Fig. 1.

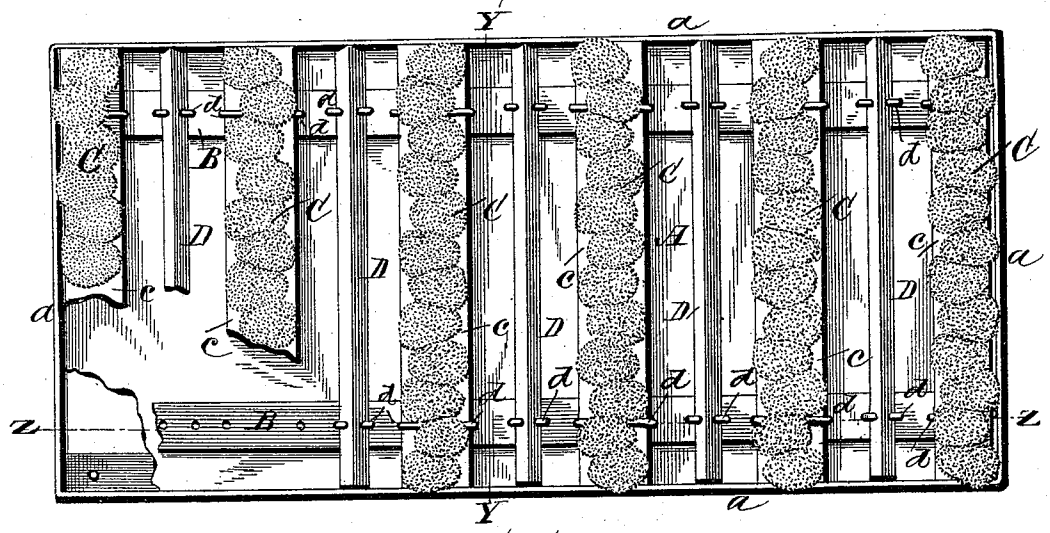


Fig. 2.

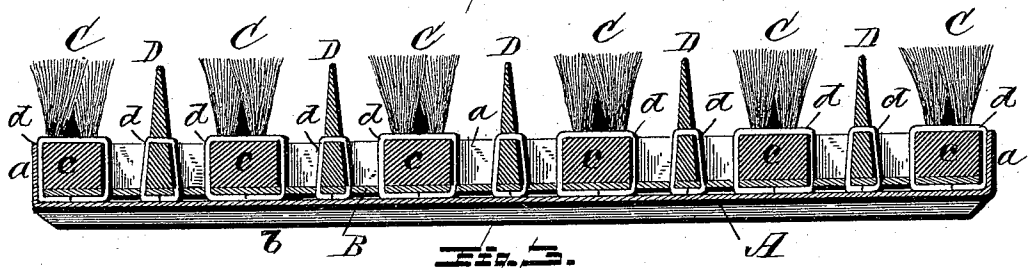
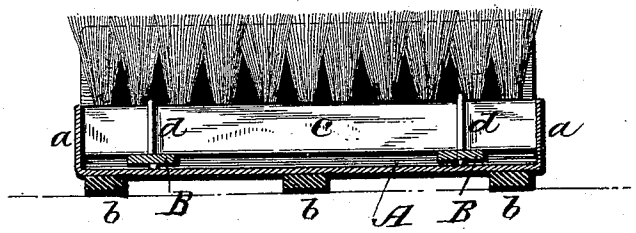


Fig. 3.



Witnesses
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per Chas. H. Fowler
Attorney

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WALLACE B. CURTIS, OF POMEROY, OHIO.

DOOR-MAT.

SPECIFICATION forming part of Letters Patent No. 456,085, dated July 14, 1891.

Application filed December 31, 1890. Serial No. 376,375. (No model.)

To all whom it may concern:

Be it known that I, WALLACE B. CURTIS, a citizen of the United States, residing at Pomeroy, in the county of Meigs and State of Ohio, have invented certain new and useful Improvements in Door-Mats; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

Figure 1 of the drawings represents a top plan view of my invention, showing a portion of the pan and brushes and also the scraper partly broken away; Fig. 2, a longitudinal section taken on line *z z* of Fig. 1; Fig. 3, a transverse section taken on line *y y* of Fig. 1.

The present invention has relation to new and useful improvements in door-mats, as will be hereinafter described, and subsequently pointed out in the claim.

In the accompanying drawings, A represents a suitable pan for catching the dirt, which may be of metal or of any other suitable material, and has flanges *a* around its four sides of any desired height, and upon the bottom longitudinal supports *b*.

Extending longitudinally of the pan A are metal braces B, to which are suitably connected the heads *c* of cleaners C, which, in the present instance, I have shown as brushes, although any suitable cleaning medium that will effectually remove the dirt from the boot or shoe after being scraped may be substituted.

The braces B, which form a means of strengthening the pan A, also serve as a means of connecting the cleaners and the scrapers to the pan.

The scrapers, which may be of metal or wood or of any suitable material, are shown at D, and the means of connecting them to the braces B are the same as that used to connect the heads *c*, and consists of binding-wires *d*. These binding-wires are passed through the scrapers and bent down against the sides thereof, and the ends passed through holes in the braces and brought together against the under side of said braces, as shown, and the binding-wires *d* of the cleaners connect the heads thereof in like manner, except that they pass around the same instead of passing through holes formed therein.

The manner above described forms a very simple and effective means of connecting the cleaners and scrapers to the pan and admit of a slight yielding action when the boot or shoe is passed over them in the act of cleaning the dirt therefrom, and should any one of them become broken or worn in any manner to effect their usefulness, they can be readily removed and replaced by a new one or, when necessary, repaired by simply unfastening the binding-wires.

It is evident that the pan hereinbefore described may be variously modified both in shape, size, and design, and may be entirely of metal or partly of metal and wood or other material, or the flanges may be of canvas and any well-known form of cleaners and scrapers that would serve the same purpose could be effectively used without in any manner departing from the spirit of the invention.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a door-mat, the combination of a suitable pan, longitudinal braces connected thereto, a plurality of cleaners and scrapers arranged alternately therein, and binding-wires for securing the cleaners and scrapers to the longitudinal braces, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WALLACE B. CURTIS.

Witnesses:
ED. H. SCHARF,
C. E. PEOPLES.