

(No Model.)

H. D. WHITELEY.

WEARING SURFACE FOR DOOR MATS, FLOORS, &c.

No. 527,094.

Patented Oct. 9, 1894.

Fig. 1.

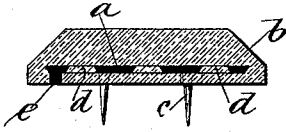


Fig. 2.

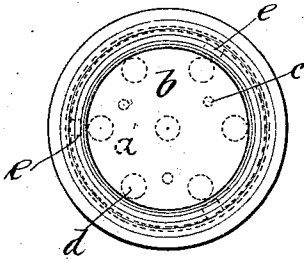


Fig. 3.

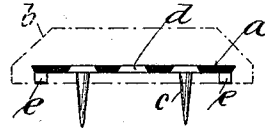


Fig. 4.

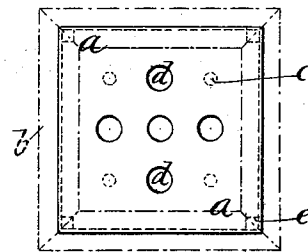


Fig. 5.

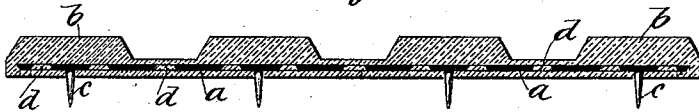


Fig. 6.

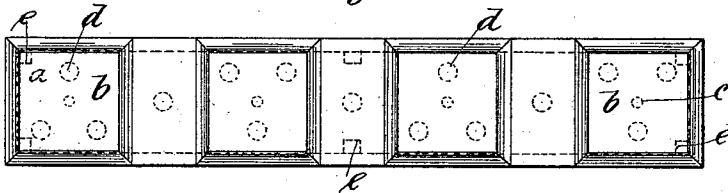


Fig. 7.

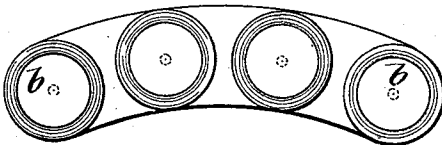
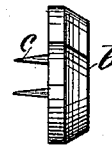


Fig. 8.



Witnesses:

E. B. Bolton

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UNITED STATES PATENT OFFICE.

HERBERT DRAKE WHITELEY, OF CHEETHAM, ENGLAND.

WEARING SURFACE FOR DOOR-MATS, FLOORS, &c.

SPECIFICATION forming part of Letters Patent No. 527,094, dated October 9, 1894.

Application filed April 13, 1894. Serial No. 507,396. (No model.) Patented in England August 25, 1891, No. 14,339.

To all whom it may concern:

Be it known that I, HERBERT DRAKE WHITELEY, a subject of the Queen of Great Britain, and a resident of Cheetham, in the county of Lancaster, Kingdom of England, have invented new and useful Improvements in Wearing Surfaces for Door-Mats, Floors, Coverings for the Feet, Furniture, and other Objects, (for which I have obtained a patent in Great Britain No. 14,339, bearing date August 25, 1891,) of which the following is a specification.

My invention relates to improvements in wearing surfaces, such as are employed in the form of blocks, disks, or in other convenient forms, in frames or otherwise, as door mats, treads for stair-cases, carriage steps, flooring and similar wearing surfaces, also for coverings for the feet, furniture and other objects. My invention has for its object to provide means whereby the said blocks, disks, or other raised wearing surfaces can be more readily and securely fixed to any desired part, than heretofore has been the case, without the assistance of screws or the like separate fastenings. I attain this object by the means illustrated in the accompanying drawings, in which—

Figure 1, is a sectional view, and Fig. 2, a plan view of one form of my improved wear plate. Fig. 3, shows the spike plate. Fig. 4, is a plan view of the same. Fig. 5, is a sectional view through a different form of wear plate. Fig. 6, is a plan view of Fig. 5, and Figs. 7 and 8 show in plan and elevation a different form of my invention.

Similar letters refer to similar parts throughout the several views.

In carrying out my invention and referring to the figures generally, my improvements consist in forming a perforated spiked plate *a* and casting it into a block, disk, or other suitably shaped raised wearing surface *b*, the spikes *c* serving to secure it in position, in lieu of using separate fastenings, such as screws or nails.

The blocks, disks, or other raised wearing surfaces *b*, I preferably form of rubber or of lead or an alloy of lead or other metal, in any suitable shape, either separately, as shown in Figs. 1, 2, 3 and 4, or a number thereof suitably combined, as shown in Figs. 5, 6, 7 and 8.

The spiked plate *a*, which may be cast or stamped out of suitable metal, I form with perforations *d* and the under side thereof with short projections *e*, which serve to keep it a little distance apart from the bottom of the mold in which the spiked plate *a* is placed, so as to permit the rubber or metal running through the perforations *d* of and underneath the spiked plate *a* and thus cover both sides and firmly secure it to the block, disk, or other raised wearing surface *b*.

In some cases I may form the perforated plate *a* with a screwed shank or shanks, in lieu of the spike or spikes *c*.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A wear plate comprising a perforated spike plate, and the material in which the said spike plate is cast and embedded, said material covering the upper and lower sides of the spike plate and extending through the perforations thereof substantially as described.

2. A wear plate comprising the perforated spike plate, the material in which said plate is embedded and cast, said material covering both the upper and the lower sides of the said plate, and extending through the openings thereof, and the projections *e* extending downwardly from the lower side of the spike plate, substantially as described.

In witness whereof I have hereunto set my hand in presence of two witnesses.

HERBERT DRAKE WHITELEY.

Witnesses:

ALFRED BOSSHARDT,
STANLEY E. BRAMALL.