

(No Model.)

S. ARMSTRONG.
DOOR MAT.

No. 509,013.

Patented Nov. 21, 1893.

Fig. 1.

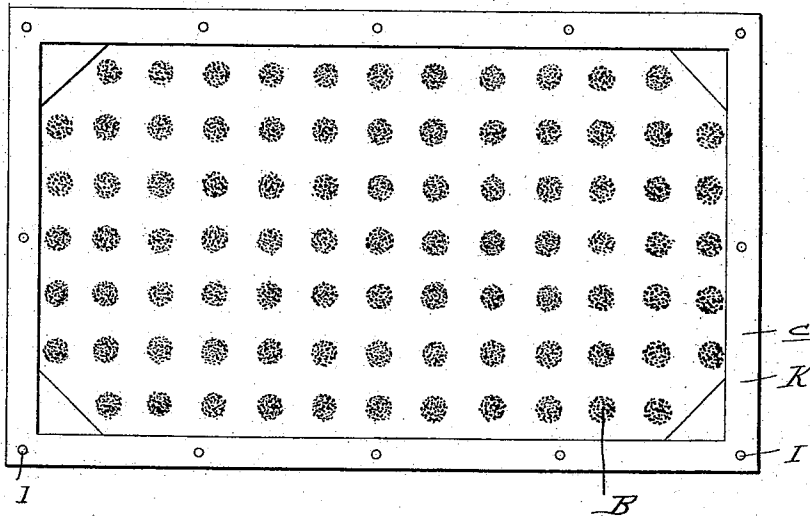


Fig. 2. A

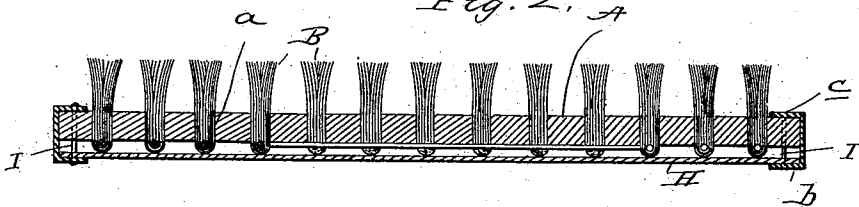
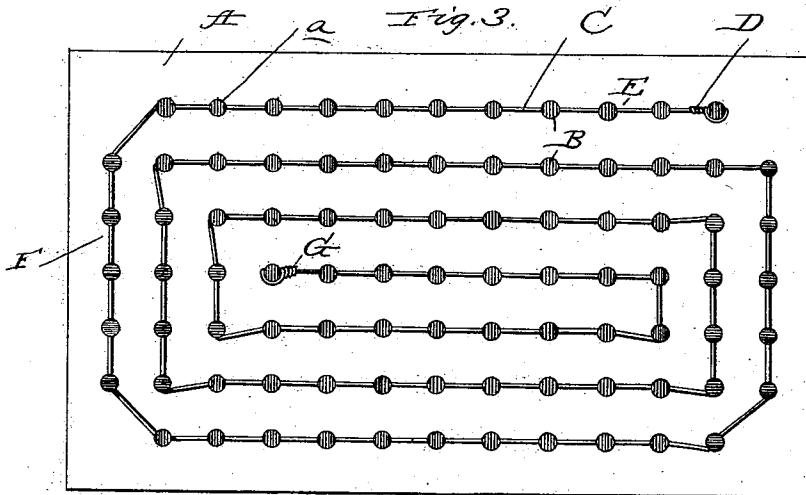


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

SAMUEL ARMSTRONG, OF LIND, WASHINGTON.

DOOR-MAT.

SPECIFICATION forming part of Letters Patent No. 509,013, dated November 21, 1893.

Application filed December 23, 1892. Serial No. 456,202. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL ARMSTRONG, a citizen of the United States, residing at Lind, in the county of Adams and State of Washington, have invented certain new and useful Improvements in Door-Mats; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention has relation to an improvement in door mats and the novelty will be fully understood from the following description and claims when taken in connection with the annexed drawings, in which—

Figure 1, is a plan view of my improved mat. Fig. 2, is a transverse sectional view of the same, and Fig. 3, is an inverted plan view with the sheet metal backing removed.

In carrying out my invention I take a piece of wood A, such as a board of a sufficient length, width, and thickness, and provide it transversely with circular holes *a*, arranged at a suitable distance apart and in parallel rows as shown. In practice these holes are about three sixteenths of an inch in diameter and arranged about five eighths of an inch apart, although the arrangement may be varied to suit the fancy or dictation of the mechanic. After thus providing the holes in the board, I take bristles B, which are preferably of horse hair, although they may be made of other suitable material, and after bunching a certain number of them together, I bend them in half, and insert the bent ends through the holes *a*, of the board. I then take a wire C, preferably of copper, although other material might be used, and starting with the outermost bristle at one corner, I secure one end of the wire in the loop of the bristles as shown at D. I then pass the opposite end of the wire through the loop of the next adjacent bristle or bunch of bristles, and so on down the row E, until reaching the end; after which I cross over passing through the outer row F, at right angles to the row E, and continuing around the margin, after which the next adjacent row of bristles is strung in

the same manner; the terminal end of the wire being secured to the last bunch of bristles as shown at G. It will thus be seen that the bristles will be held from lifting out the holes by means of a copper wire C. I next back up these secured or strung bristles by means of a metallic plate H, which is preferably composed of galvanized sheet metal, and entirely covers the back of the board where it is secured by means of nails I, or other suitable fastening devices. I then cover the marginal edge of the board and sheet metal backing by means of a binding strip K. This strip may be of brass, German silver, or nickel plate, so as to enhance the beauty of the article. The binding which extends entirely around the marginal edge of the mat is turned under as shown at *b*, and turned over as shown at *c*, and the nails I, which secure the metal backing to the wood, may also be used to secure the binding, or other fastening devices may be employed for the latter purpose.

While I have shown and described the mat as being of rectangular form in outline, it is obvious that one of circular or other shape might be employed.

A device of the construction described, will be found very durable and effective for the purposes designed, and it will be found very easy to keep clean.

Having described my invention, what I claim is—

The improved door mat described, comprising the base or board A, having the holes *a*, therein, the bent bristles arranged in the holes, the wire C, passed through the loops of the bristles, the metallic plate H, covering the looped ends of the bristles, and the binding K, and means for securing the plate and binding, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

SAMUEL ARMSTRONG.

Witnesses:

R. C. EGBERS,
A. A. SAGE.