(No Model.)

J. CHATTAWAY.

DOOR MAT.

No. 366,645. Patented July 19, 1887.

Fig. 1.

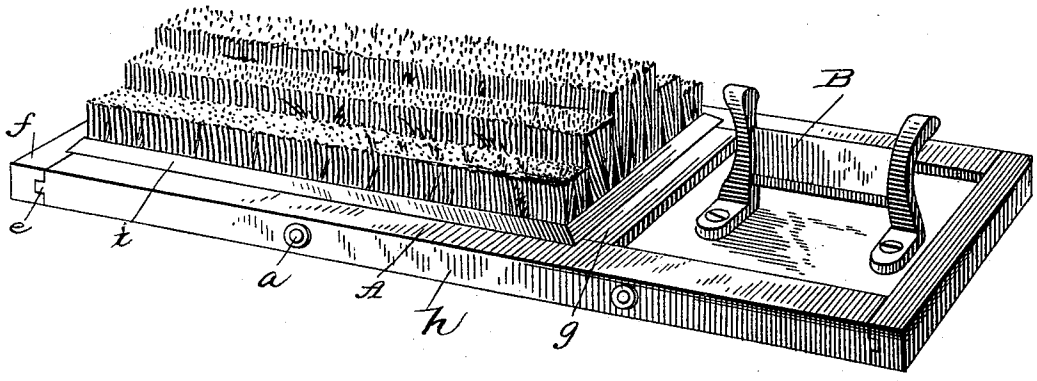


Fig. 2.

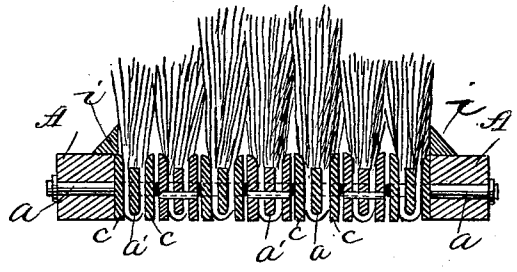
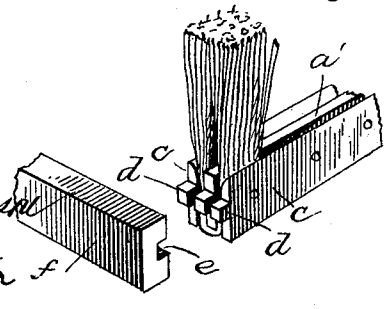


Fig. 3.



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UNITED STATES PATENT OFFICE.

JOSEPH CHATTAWAY, OF PETOSKEY, MICHIGAN.

DOOR-MAT.

SPECIFICATION forming part of Letters Patent No. 366,645, dated July 19, 1887.

Application filed February 23, 1887. Serial No. 228,523. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH CHATTAWAY, of Petoskey, in the county of Emmett and State of Michigan, have invented a new and useful Improvement in Door-Mats; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates to door-mats, brooms, brushes, and the like; and its object is to provide a simple construction composed of sections which may be easily removed and replaced when worn.

I have shown the invention as applied to a door-mat, and I will therefore describe it in that connection; but it will be understood that it may be applied to brooms and brushes without departing from the spirit of my invention.

In the accompanying drawings, Figure 1 is a perspective view of my improved mat complete. Fig. 2 is a cross-section of the same. Fig. 3 is a detached view of one of the sections composing the mat.

A suitable frame, A, is provided, made of wood, iron, or any suitable material, and at one end of this frame is placed a scraper, B, of any approved pattern. The other part of the frame is occupied, as shown, by the mat, which is shown as composed of broom-straw; but any suitable material may be used instead. As shown, I prefer to make the mat high in the center, and have each adjoining section a little lower, so that all portions of the shoes may be thoroughly cleaned.

The mat is composed of sections of the broom-straw, and these sections are placed together and secured together by a bolt, *a*, passing through them and through the walls of the frame A, as shown. Fig. 3 shows a detached view of a section. A strip, *a'*, is provided, around which the broom-straw is folded, as shown, the cut ends projecting upward any distance above the edge of the strip. Clamping-strips *c c* are then applied to each side of the central strip, and thus clamp the straw securely in place, the strips being held together by suitable fastening devices. All the sections are made in this way, so that when one has become worn it may be removed and another put in its place without interfering with the sections which remain good. The ends of the strips composing the sections have tenons *d*, which are adapted to grooves *e* in the end piece, *f*, of the frame, and the cross-piece *g* and the sections may thus be placed in position without difficulty, and in their proper order as regards the height of the straw. After the proper number have been put in position the side strip, *h*, of the frame A is put in place, and bolts passing through from side to side hold all the parts together.

In order to keep the straw from breaking, I bevel the edges of the clamping-strips, which allows the straw to spread, and at the same time no sharp corners are provided to cause the straw to break. In order that the bottom of the straw shall be on a line with the clamping-strips, I make this strip of less width than the others. After the mat is completely formed a bead, *i*, may be placed around the lower edge of the straw, as shown, to improve the appearance of the completed article, and also add to its strength.

Instead of applying the straw or other material as above described, I may, and indeed prefer to, apply it by arranging the strips *c c* in position with the proper space between them, then lay the straw across so that its center is above the opening, and then force the center strip down between the two strips by suitable pressure, the straw being interposed between the center and outside strips.

Having thus described my invention, what I claim is—

1. A mat, brush, or broom composed of a series of independently-removable sections, each section consisting of a central strip and two outside clamping-strips, the straw or other material being folded around the central strip and clamped in place by the two outside strips, substantially as described.

2. A mat composed of independently-removable sections, each section consisting of a central strip and two outside clamping-strips for holding the straw, which is folded around the central strip, the straw upon the outside sections being of less height than the middle sections, whereby ridges are formed, for the purpose described.

3. A door-mat composed of independently-removable sections, each section consisting of

a central strip and outside clamping-strips adapted to hold the straw between them, the central strip being of less height than the outside strips, whereby the material clamped between the strips is permitted to spread and to close up all spaces between the sections, substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses.

JOSEPH CHATTAWAY.

Witnesses:

JOHN H. MILOR,

LOUIS PLAMONDON.