

(No Model.)

J. DAVIDSON.

RUG OR MAT.

No. 386,628.

Patented July 24, 1888.

FIG. 1.

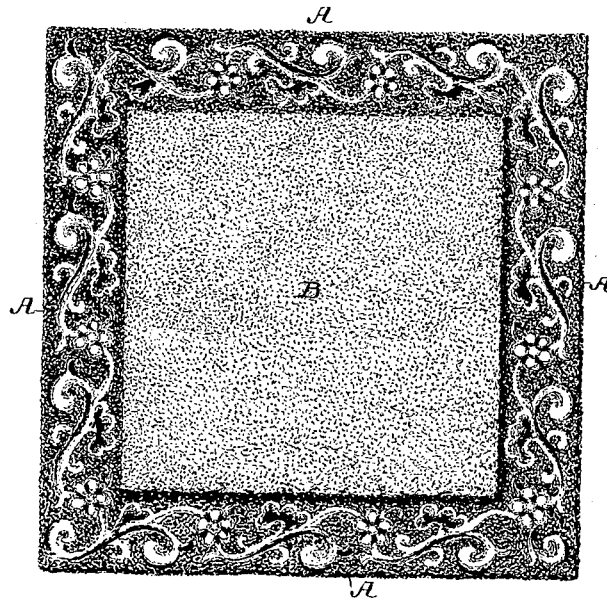


FIG. 2.

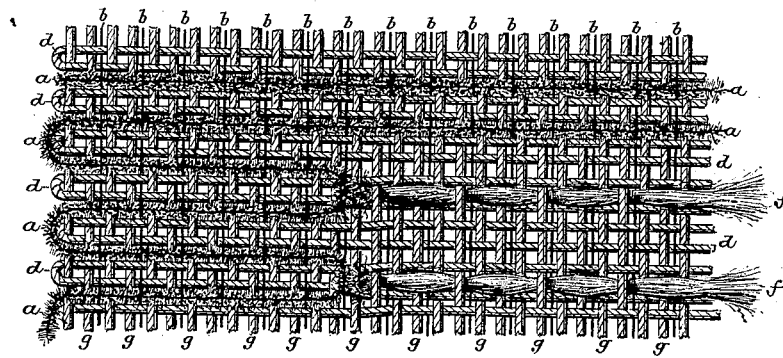


FIG. 3.

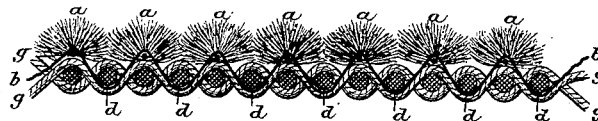
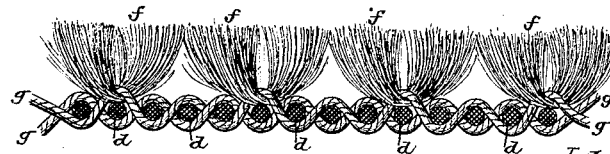


FIG. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

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RUG OR MAT.

SPECIFICATION forming part of Letters Patent No. 386,628, dated July 24, 1888.

Application filed April 9, 1888. Serial No. 270,042. (No specimens.)

To all whom it may concern:

Be it known that I, JOHN DAVIDSON, a subject of the Queen of Great Britain and Ireland, residing at Philadelphia, Pennsylvania, have
5 invented certain Improvements in Rugs or Mats, of which the following is a specification.

My invention relates to that class of rugs or mats known as "cocoa" mats, in which a center portion having tufts of coarse cocoa fiber is combined with a patterned border of wool or other material finer than the center, the object of my invention being to provide a border having a pattern of as elaborate a character as may be desired without unduly increasing the cost of weaving the rug or mat. This object I attain in the manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1 is a view of a rug or mat made in accordance with my invention. Fig. 2 is an exaggerated diagram illustrating the mode of weaving a mat in accordance with my invention. Fig. 3 is a longitudinal section through the border portion of the mat, and Fig. 4 is a like section through the center or cocoa portion of the mat.

Ordinary rugs or mats of the character to which my invention relates have a center portion of coarse cocoa fiber formed into tufts confined to the threads of the warp, and a border of wool or other finer thread which is likewise tufted, the border being ordinarily made by the process known as "fingering"—that is to say, strands of each color required by the pattern being picked up from below the warp by the fingers at the proper points so as to be looped around the warp, and these loops being afterward cut at the top so as to form tufts confined by the warp-threads. This, as will be evident, is a tedious process, which precludes the use of any considerable number of colors in the border or the formation of any but patterns of the simplest character. In order to overcome this objection, therefore, I make the border A of the rug with a chenille

weft, *a*, the threads of which are colored to correspond with the desired pattern to be produced, this chenille thread being bound by fine warps *b*, which are tied down by weft-threads *d*, shot across the shed from side to side, although the chenille wefts are only introduced in those portions of the shed which correspond with the borders of the rug or mat—that is to say, they extend completely across the shed at the opposite ends of the mat to form the end borders, but between those portions are confined to a limited area at the outer edges of the warp, corresponding in width to the width of the side borders of the mat. (See Fig. 2.) Two or more of these chenille wefts are introduced into each side border for every row of tufts *f* of coarse cocoa fiber in the center B of the mat, the latter being bound by warps *g* of a coarser character than those employed for binding the chenille threads of the border. The coarse warps, however, extend from edge to edge of the mat, and with the thick wefts *d* form the back of said mat, the spreading of the tufts of coarse fiber in the center of the mat and of the chenille threads in the border being sufficient to cover and hide the thick weft and warp threads of the backing. (See Figs. 3 and 4.)

The tufting of the cocoa threads in the center portion of the mat is effected in the usual way by passing the bunch of strands alternately under a raised warp of the shed and over a slotted bar above the same, and afterward cutting the loops by a knife passed through the slot of the bar, this forming no part of my invention.

It will be evident that by forming the border upon the mat in accordance with my invention patterns of a very elaborate character and having a great number of colors can be produced with great facility, so that a mat of a much more acceptable character than those now made can be produced with but little if any increase in the cost of the same.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

5 A rug or mat having a center portion with tufts of cocoa or other coarse fiber and a border with chenille wefts, a series of which are employed for each row of tufts in the central portion of the mat, all substantially as specified.

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

JOHN DAVIDSON.

Witnesses:

WILLIAM D. CONNER,
HARRY SMITH.