O. WINTER.

FLOOR MAT.

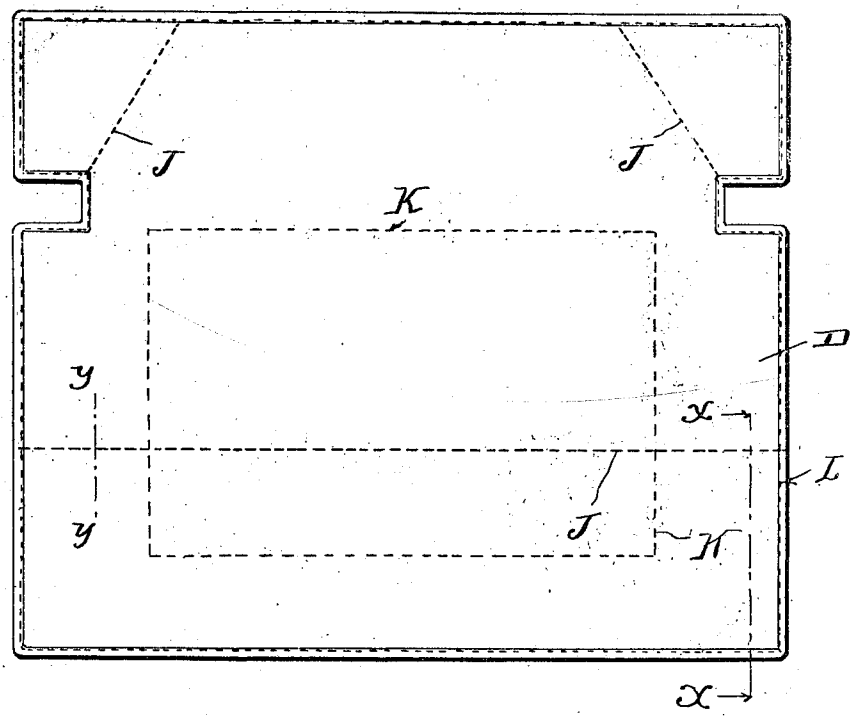
APPLICATION FILED NOV. 17, 1911.

1,034,667.

Patented Aug. 6, 1912.

2 SHEETS—SHEET 1.

FIG. 1.



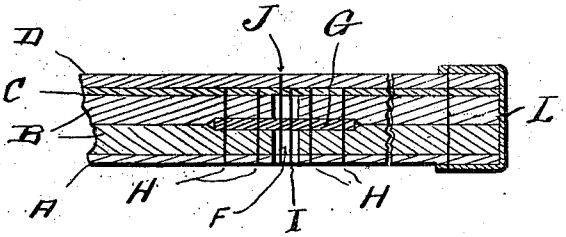


FIG. 2.

WITNESSES

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2 SHEETS—SHEET 2.

FIG. 5.

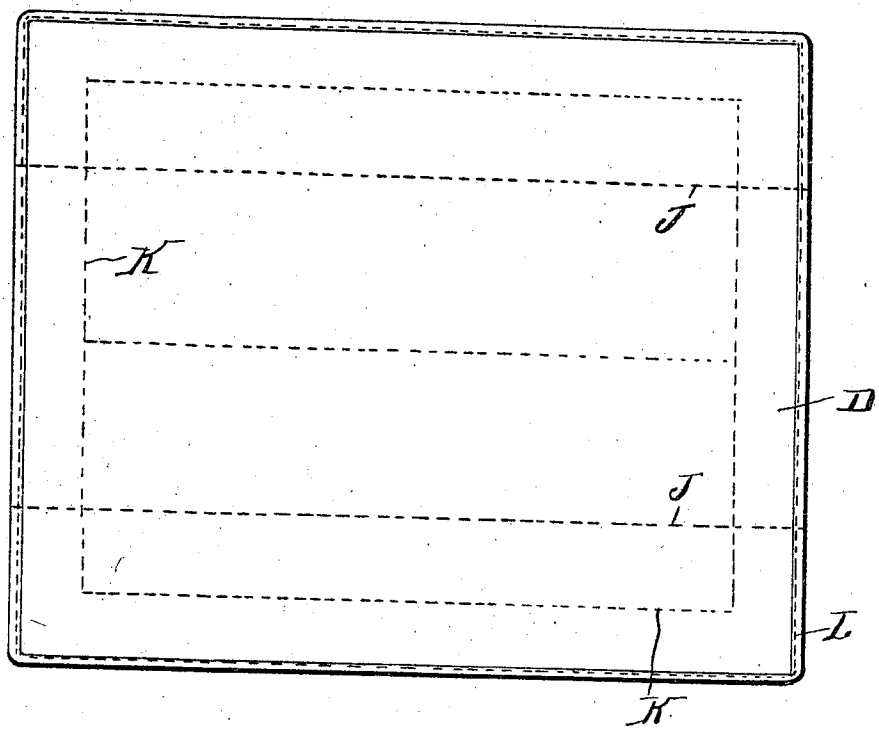


FIG. 3.

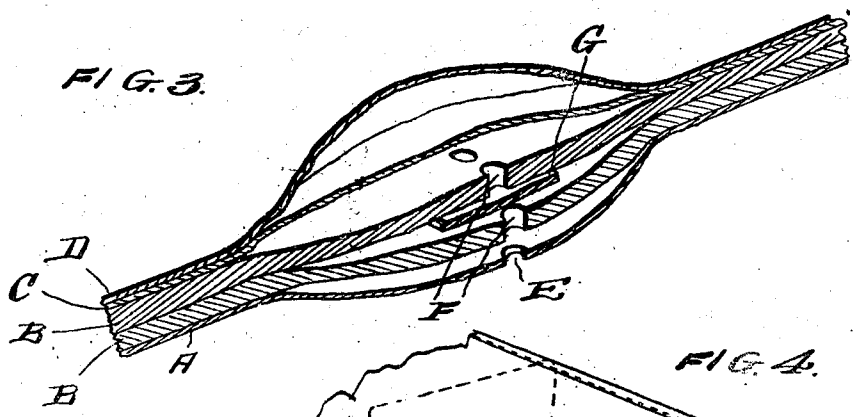
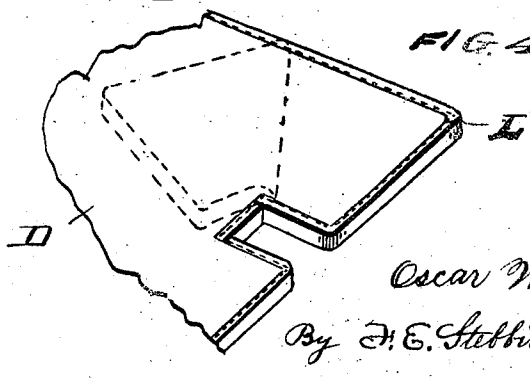


FIG. 4.



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FLOOR-MAT.

1,034,667. Specification of Letters Patent. Patented Aug. 6, 1912.

Application filed November 17, 1911. Serial No. 660,384.

To all whom it may concern:

Be it known that I, OSCAR WINTER, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Floor-Mats, of which the following is a specification.

The object of my invention is the provision of a mat so constructed that it will be a good non-conductor of heat; which shall be practically impervious to moisture and water falling upon the same; which shall be sufficiently rigid to maintain its normal shape while in use; which shall be adapted to be turned upon itself along certain defined lines so it can be folded and stored when necessary within a small space; and which shall be ornamental and at the same time very durable.

The accompanying drawings illustrate two examples of the physical embodiment of the invention constructed according to the best modes of procedure I have so far devised for the purpose. The two mats shown are not exhaustive of the invention, as the shape may be changed in outline to adapt the mat to fit the particular area which is to be covered, and the lines of folding may be differently disposed.

Figure 1 is a top plan view of a mat embodying my invention and having recesses in the edges. Fig. 2 is an enlarged section of Fig. 1 taken on line *x—x*, Fig. 1, crossing the line J and showing the strengthening strip and the perforations in the layers of fabric or other material to facilitate the folding of the mat. Fig. 3 is a section on line *y—y*, Fig. 1, of the mat across a folding line with the several layers of fabric or material separated and with the stitches omitted. Fig. 4 is a perspective view of a corner of the mat illustrated by Fig. 1, showing by dotted lines the corner folded over upon the body of the mat and upon a line of perforations. Fig. 5 is a top plan view of a mat of another shape having two lines of perforations so that opposite edges may be folded over upon the central portion of the mat.

The mat is constructed as follows: One sheet of strong canvas A, two sheets of wool felt B B, one sheet of waterproof fabric C, and a sheet of textile fabric, such as carpet or other suitable material D are each cut to the shape which corresponds to the area to be covered by the mat. The canvas sheet and the two sheets of wool felt are then perforated in any suitable way on lines along which the parts of the mat are to turn or fold. The letter E designates the series of perforations in the canvas sheet and F F the perforations in the wool felt sheets or layers. Between the two layers of wool felt and in line with and over-lapping each series of perforations is disposed a strip of waterproof fabric or strengthening fabric G. The canvas, wool felt, waterproof fabric, and the strip G of strengthening or waterproof fabric are then united by lines of stitches, two rows of stitches H H and H H being made each side of the series of perforations, and one line of stitches I passed through the several layers on the line of the perforations. The stitches H hold the strip G in place, and the stitches I press together and strengthen the fabric of the several sheets or layers located between the perforations so the same will not pull apart or be separated when one part of the mat is turned over or folded upon another part. The open spaces formed by the perforations allow the mat easily to be folded upon definite lines and without injury to the same. The sheet of waterproof fabric C prevents the passage of water to the layers of wool felt beneath.

To provide an ornamental covering for the top surface of the mat the sheet D is placed above the several united layers of the fabric or material and secured thereto by a row or rows of stitches J, each of which is passed through the said layers on a line of perforations. As it is desirable that all parts of the carpet or ornamental top fabric shall maintain their proper positions relative to the layers beneath, other lines of stitches are passed through the mat wherever desired, and such lines of stitches are shown at K, whereby also wrinkles are prevented either when the mat is in use or when folded.

The edge of the mat preferably is provided with a braid or binding L or protecting border lapped over the edge and stitched to the same as shown.

It should be understood that in the embodiment of the invention lines of perforations are to be made across the mat wherever it is desirable that it shall fold. In Fig. 1 are shown three lines of stitches J which pass through lines of perforations;

and in Fig. 5 two lines of stitches J are shown which pass through lines of perforations.

From the foregoing description taken in connection with the drawings it is clear that I have provided a mat which fulfils all the conditions set forth as the purpose of my invention. It is an effective non-conductor of heat, the layers of wool felt preventing heat from passing to the feet when resting upon the mat, the canvas bottom will withstand rough usage without excessive wear, the waterproof fabric will prevent water passing to the non-conducting material beneath the same, the perforations will permit the folding of the mat without injury, and the top surface of the mat presents a smooth surface and an ornamental appearance. Moreover, the carpet or other top fabric or material can be readily cleaned by a liquid cleansing agent without the same permeating the lower elements or fabrics of the mat.

What I cleaim is:

1. In a mat, the combination of a layer of canvas, a layer of heat resisting or non-conducting material, a layer of material impervious to water, and a top layer of textile fabric; the said layers of material being secured together by lines of stitches.

2. In a mat, the combination of a layer of canvas, a layer of heat resisting or non-conducting material, a layer of material impervious to water, and a top layer of textile fabric; a plurality of said layers having perforations in coinciding lines to facilitate folding, and the said layers secured together by stitches.

3. In a mat, the combination of a layer of canvas, a layer of heat resisting or non-conducting material, a layer of material impervious to water, and a top layer of textile fabric; a plurality of the layers having perforations in a coinciding line, a strip of strengthening material arranged in line with the perforations, and the strip and layers secured together by stitches.

4. In a mat, the combination of a central layer of heat resisting or non-conducting material continuous throughout the same, a layer of material impervious to water, a top layer of carpet above the layer impervious to water, and a layer of fabric beneath the layer of heat resisting or non-conducting material; the said layers being secured together by lines of stitches.

5. In a mat, the combination of layers of heat resisting or non-conducting material, material impervious to water, and material constituting a cover; a plurality of said layers having a coinciding line of perforations, and said layers secured together by stitches.

6. In a mat, the combination of layers of heat resisting or non-conducting material, material impervious to water, and material constituting a cover; a plurality of said layers having a coinciding line of perforations, and said layers secured together by stitches, one line of stitches coinciding with the line of perforations.

7. A mat comprised of layers of suitable material secured together by stitches, a plurality of said layers being perforated to form a folding line.

8. A mat comprised of layers of material secured together by stitches; a plurality of said layers having perforations in line, and a line of stitches passed through the perforated layers and in line with the perforations.

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

OSCAR WINTER. [L. S.]

Witnesses:
FREDK. R. BOTHELL,
EDITH T. KINNEY.