May 26, 1942.

L. M. OAKLEY

2,284,494

RUBBER MAT

Filed Jan. 31, 1941

Fig. 1.

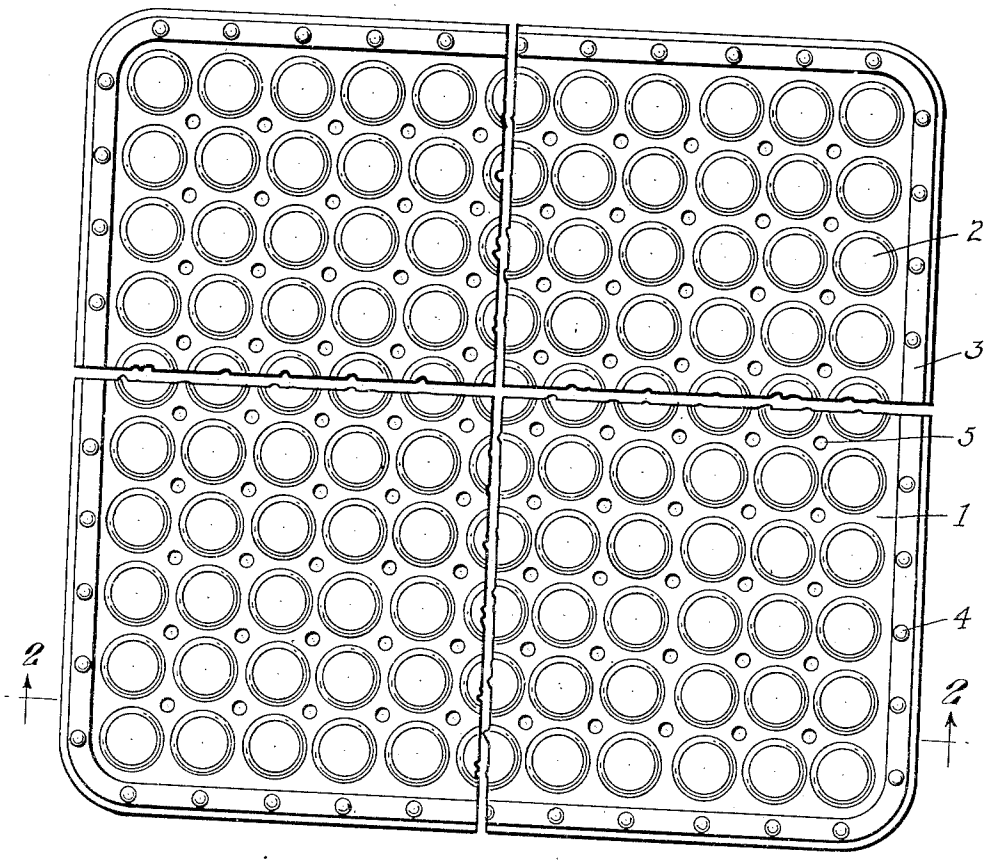
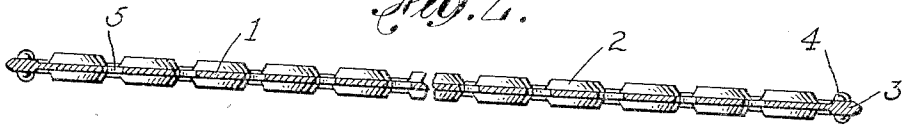


Fig. 2.



INVENTOR

Lawrence M. Oakley

BY

Emery, Vanney, Whittemore & Dix.

ATTORNEY

Patented May 26, 1942 2,284,494

UNITED STATES PATENT OFFICE

2,284,494

RUBBER MAT

Laurence M. Oakley, Trenton, N. J., assignor to Essex Rubber Company, Trenton, N. J., a corporation of New Jersey

Application January 31, 1941, Serial No. 376,813

3 Claims. (Cl. 4—185)

This invention relates to rubber mats intended primarily for kitchen use as sink mats and the like.

It is an object of the present invention to provide a mat which combines several useful features, including, reversibility—that is, the mat may be used either side up, non-slip surfaces, good drainage, and attractive appearance.

Other objects and advantages of the invention will appear hereinafter.

A preferred embodiment of the invention selected for purposes of illustration is shown in the accompanying drawing, in which,

Figure 1 is a top plan view, and

Figure 2 is a section on the line 2—2 of Figure 1.

Referring to the drawing, the mat comprises a medial web 1 extending throughout the area of the mat, on which are formed a multiplicity of supporting elements 2. In the embodiment illustrated said elements are in the form of short truncated cones, and are preferably arranged in opposed pairs, one element projecting upwardly, and the other projecting downwardly from the web 1, so that the pair of elements provides a solid support to an article placed on the mat.

Around the edge of the mat, the web 1 is thickened somewhat to provide a peripheral rim 3 which not only serves to strengthen the outer edge of the web, but also improves the appearance of the mat as a whole. It will be noted, however, that the thickness of the rim is less than the thickness of a pair of the opposed supporting elements. In order to support the rim, therefore, a plurality of spaced lugs 4 are formed on the upper and lower surfaces of the rim, the height of the lugs being substantially equal to the height of the supporting elements, so that the supporting surfaces of the lugs lie in substantially the same plane as the supporting surfaces of the supporting elements.

In order to permit drainage, the web 1 is provided with a large number of perforations 5 arranged at suitable intervals between the supporting elements, and due to the previously described structural features of the mat, the water which drains through said perforations can flow freely away from the mat. Thus, since the web 1 is held away from the supporting sink surface by the supporting elements, spaces or channels are provided between the supporting elements for the free flow of water. Furthermore the spaced lugs 4 support the rim and provide spaces for the egress of water from beneath the mat. Without such lugs the rim would tend to sag downwardly to trap the water within the confines of the mat.

It will be understood that the invention may be variously modified and embodied within the scope of the subjoined claims.

I claim as my invention:

1. A reversible rubber mat comprising, a medial web, spaced supporting elements of solid rubber in the form of short truncated cones projecting upwardly and downwardly from said web, a rim around the marginal edges of said web, said rim being thicker than the web, but of less thickness than that of a pair of said supporting elements, and spaced lugs projecting upwardly and downwardly from said rim, the supporting surfaces of said lugs lying substantially in the same plane as the supporting surfaces of said supporting elements.

2. A reversible rubber mat comprising, a medial web, spaced supporting elements of solid rubber in the form of short truncated cones projecting upwardly and downwardly from said web, said web being provided with spaced apertures interspersed between said supporting elements, a rim around the marginal edges of said web, said rim being thicker than the web, but of less thickness than that of a pair of said supporting elements, and spaced lugs projecting upwardly and downwardly from said rim, the supporting surfaces of said lugs lying substantially in the same plane as the supporting surfaces of said supporting elements.

3. A reversible rubber mat comprising, a medial web, spaced supporting elements of solid rubber projecting upwardly and downwardly from said web, said upwardly projecting elements being aligned with said downwardly projecting elements and symmetrical therewith, a rim around the marginal edges of said web, said rim being thicker than the web, but of less thickness than that of a pair of said supporting elements, and spaced lugs projecting upwardly and downwardly from said rim, the supporting surfaces of said lugs lying substantially in the same plane as the supporting surfaces of said supporting elements.

LAURENCE M. OAKLEY.