Mar. 6, 1923. 1,447,667

H. R. KOESTER

HEAT INSULATING TABLE MAT

Filed June 14, 1919

Fig. 1.

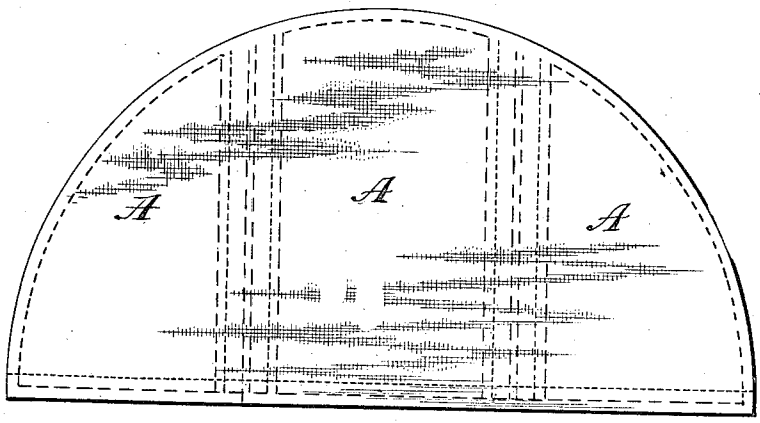


Fig. 2.

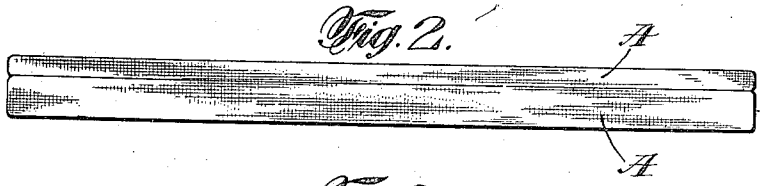


Fig. 3.

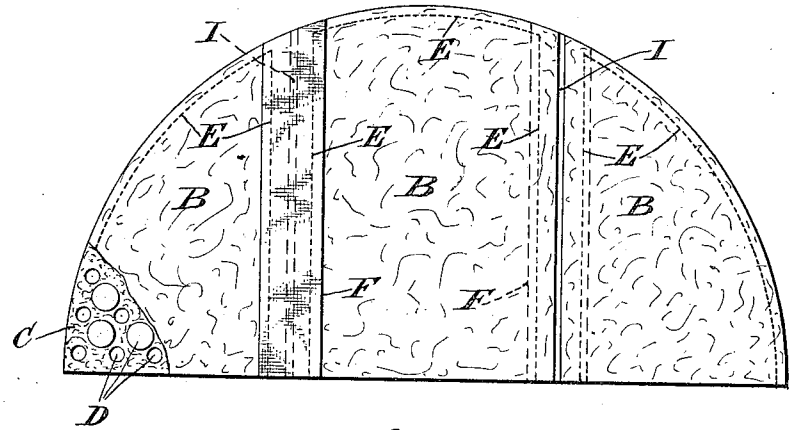
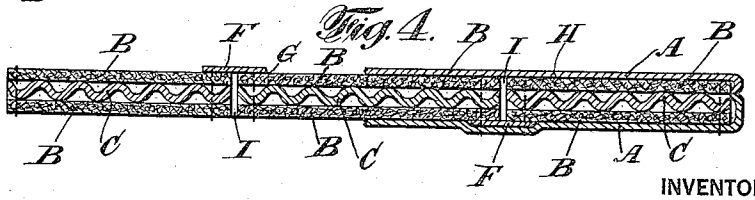


Fig. 4.



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UNITED STATES PATENT OFFICE.

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HEAT-INSULATING TABLE MAT.

Application filed June 14, 1919. Serial No. 304,111.

To all whom it may concern:

Be it known that I, HERMAN R. KOESTER, a citizen of United States, and a resident of Cincinnati, in the county of Hamilton, State of Ohio (whose post-office address is Chase and Badgeley Avenues, Cincinnati, Ohio), have invented a new and useful Improvement in Heat-Insulating Table Mats, of which the following is a specification.

My invention relates to heat insulating table covers, mats, etc., particularly adapted to prevent the heat radiation from dishes or other utensils whereby damage is caused to the table, particularly if it is a highly polished surface. It more especially relates to such mats made in several parts connected by hinges to conform to the size and shape of a table. I have sought to provide a table mat which is heat insulating and fire resistant, has a substantially uniform even flexible, elastic, sound deadening surface, affording a comparatively soft surface for the dishes to be placed upon to protect them from breakage. I also provide exterior covers for the table mat which may be readily removable if desired for cleaning.

In the drawings like characters represent like parts. Fig. 1 is a top view of a half section of a mat formed of three parts. Fig. 2 is an end view of Fig. 1. Fig. 3 is a top view of the mat with the cover removed. Fig. 4 is an end view of Fig. 3 showing a portion of the cover in position.

In the drawings I have shown one half of a mat arranged for a round table. A is the cover material of the mat which may be of canton flannel or any suitable material, if desired, a soft material on one side such as canton flannel, etc., and on the reverse side a waterproof material such as oil cloth, etc. B, B, are plies of wool felt, felted paper or similar suitable soft, flexible, elastic, heat insulating material. C is a ply of asbestos paper or suitable fire resistant material which is indented, pitted or provided with numerous small openings so arranged as to provide, when C is placed against the ply B or between two plies B, B, a multiplicity of small air spaces D as nonconductors of heat. The plies A, B and C are held in fixed relation to each other preferably by stitching E although any other suitable means could be used. The stitching E passes around the portion, of each section of the mat, forming the circumference or periphery of the complete mat and near or along the adjacent edges of two sections of the mat, as clearly shown in Fig. 3 where I, I, represent spaces between different sections of the mat. The different sections of the mat are attached to either by hinges F made preferably of fabric strip material and cemented by suitable adhesive to the adjacent portion of two sections as shown in Figs. 3 and 4 to form a suitable hinge. I prefer, so as to make the mat easily foldable to arrange the fabric hinges on opposite sides so that one portion of the mat may be folded on one face of a central portion and another portion may be folded on the opposite face of the same portion. As shown in Fig. 4 the extreme left portion is arranged to be folded on top of the central portion while the extreme right portion is folded on the opposite side of the central portion. I prefer as shown in the drawings to have the hinges F extend over the adjacent sections a sufficient distance so that they extend beyond the point where the line of stitching E is located, thereby giving increased strength along adjacent parts of different sections as the tendency of the stitching may sometimes be to weaken same. Having attached the plies together I then place the cover of canton flannel, waterproof material or both or other suitable material, one on each side, and the other over the assembled parts of the mat shown in Fig. 3. This cover A may be fixed to one or both of the plies B by suitable adhesive material H, if desired, but I prefer in most cases to omit the adhesive material H so that the cover may be readily removed by the user for the purpose of cleaning same. After the cover is in place on the assembled portion of the mat shown in Fig. 3, I provide a row of stitching J penetrating the cover of all the plies B and C so as to retain said cover in position. If the cover is to be removed the stitching J is opened and the cover removed, cleaned and replaced after which the stitching J is replaced to hold the cover in position. Of course if desired the stitching J may be arranged so that it will not penetrate the

assembled plies, or snap buttons could be used to engage and hold the cover portions together.

What I claim is—

1. A table mat composed of a plurality of separate independent parts adapted to be folded upon each other, each of said parts comprising a plurality of plies, one of said plies being an asbestos sheet, two other independent plies of flexible elastic heat insulating and sound deadening material, one arranged on each side of said asbestos sheet, said asbestos sheets having a plurality of indentations forming separate independent air spaces enclosed by said asbestos ply and said adjacent plies, rows of stitching attaching said plies in fixed relation to each other, a hinge attaching said separate independent parts of said mat together, formed of a flat flexible material overlaying a substantial portion of the adjacent parts of said mat, and extending inward on said parts beyond the lines of stitching holding the said plies of material together.

2. A table mat comprising a plurality of plies, one of said plies being an asbestos sheet, two other independent plies of flexible elastic heat insulating and sound deadening material, one arranged on each side of said fire resistant ply, said asbestos sheet having a plurality of indentations forming a plurality of separate independent air spaces enclosed by said asbestos ply and said adjacent plies.

In testimony whereof, I have signed my name to this specification.

HERMAN R. KOESTER.