

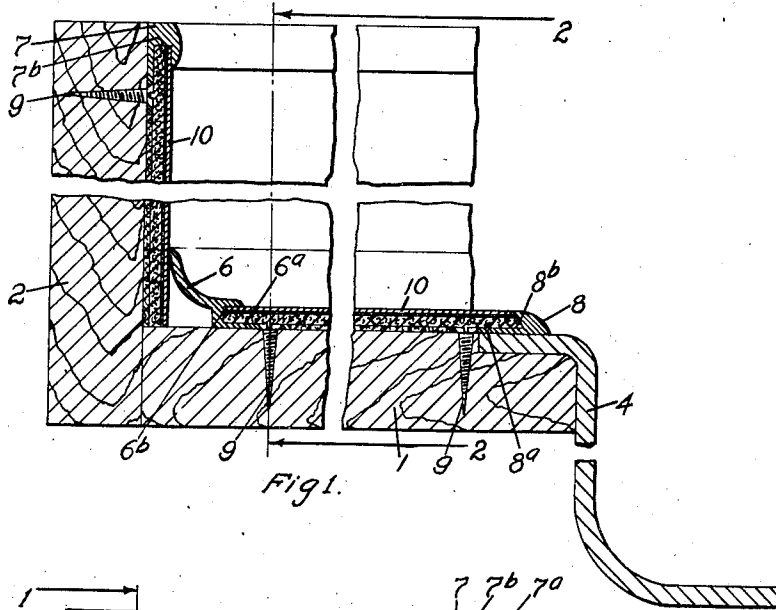
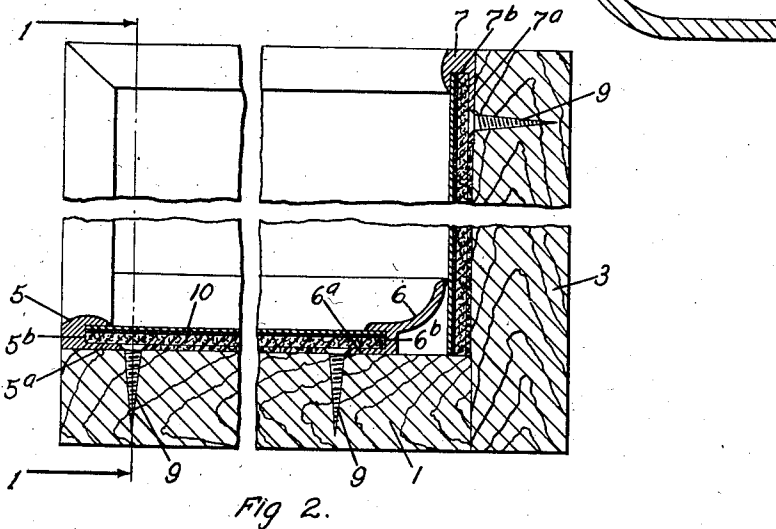
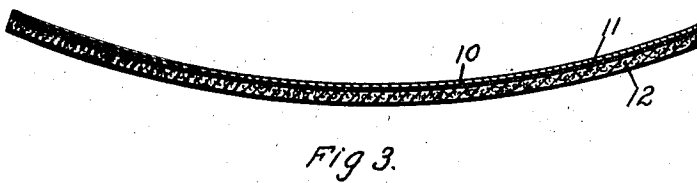
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MEANS AND METHOD OF PREPARING WEARING SURFACES

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MEANS AND METHOD OF PREPARING
WEARING SURFACES

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3 Claims. (Cl. 20—15)

My invention relates to means and method of preparing wearing surfaces of various kinds and classes and is particularly adapted for use in connection with drain boards in around sinks in kitchens and the objects of my invention are:

First, to provide a wearing surface in which stainless steel or other expensive metals are used as the principal engaging surface and said steel or other metal is backed by a foundation so that an extremely thin sheet of stainless steel may be used, thus providing very economical construction in accordance with the results attained;

Second, to provide a means of this class in which a relatively heavy fiber or other like material layer is used in connection with the thin sheet of stainless steel and cemented or secured thereto to provide a facing of suitable thickness;

Third, to provide a means of this class in which the thin strip of stainless steel and other backing material may be used to fill uneven surfaces in the supporting foundation or otherwise and then a layer backing glued to the thin sheet of stainless steel is utilized to fill the space to the proper height;

Fourth, to provide such a means that may be used on horizontal or upright surfaces and supported by conventional metallic edges;

Fifth, to provide strips of combined thin sheets of stainless steel and backing therefore that is prepared in curved form so that when the edges are secured in position with the backing down, that portion between the supported edges will be secured tightly against the supporting backing by the inherent spring of the metal;

Sixth, to provide a novel method of preparing wearing surfaces;

Seventh, to provide a method of this class which provides a very simple, strong and durable wearing surface at a minimum of cost;

Eighth, to provide a novel method of supporting thin sheets in flat position for wearing surfaces;

Ninth, to provide a means of this class which is very simple and economical of construction, easy to apply and install, efficient in its action and which will not readily deteriorate or get out of order.

With these and other objects in view as will appear hereinafter, my invention consists of certain novel features of construction, combination and arrangement of parts and portions and a novel method as will be hereinafter described in detail and particularly set forth in the appended claims, reference being had to the accompanying drawing and to the characters of reference

thereon which form a part of this application in which:

Figure 1 is a sectional view of a fragmentary portion of a drain board and side wall surrounding a sink taken from the line 1—1 of Fig. 2; Fig. 2 is a similar view taken from the line 2—2 of Fig. 1 and Fig. 3 is a sectional view of a prepared portion of the material used for the main part of the wearing surface and its backing.

Similar characters of reference refer to similar parts and portions throughout the several views of the drawing:

The horizontal base member 1, vertical base member 2, vertical side member 3, sink member 4 and edge members 5, 6 and 7 are of the conventional type now in use and no part of my present invention.

The members 1, 2 and 3 may be made of wood or composition or metal as desired of conventional type and shape. The members 1 may be used as a drain board, table, shelf or anything of this class. The members 5 and 7 are edge members and are preferably made of metal and may be made of stainless steel. The corner member 6 may also be made of stainless steel or other metal. The edging member 8 which is positioned around the sink is also of conventional form, and no part of my present invention, but is rounded to form a rounded form as shown best in Fig. 1 of the drawing.

The conventional edge and corner members 5 to 8, inclusive, are each provided with flat flange portions 5a, 6a 7a and 8a. These flanges 5a to 8a are secured to the foundation members 1 to 3, inclusive, in their proper position in conventional manner by means of screws 9. These edges and corner members 5 to 8, inclusive, are also provided with grooves 5b to 8b, inclusive, of substantially three-sixteenths of an inch in width and from three-sixteenths to one-quarter of an inch in depth as shown in Figs. 1 and 2 of the drawing, and the space between the upper edges of the grooves 5b to 8b, inclusive, or any two facing grooves of this class is filled by an upper plate 10 of very thin stainless steel substantially twenty-two gauge of standard U. S. gauge. Glued to the lower side of this plate 10 by means of cement or glue 11 is a backing 12 of wood fiber, hard rubber, felt plastic, mastic or similar material so that the plate 10, cement 11 and backing 12 are of substantially the same thickness as the grooves 5b to 8b, inclusive, and adapted to fill the same by snug fit and the material consisting of the members 10, 11 and 12 is made up in large quantities in this united form as

shown best in Fig. 3 of the drawing, it being noted that the sheets are made in concave or curved form as shown in Fig. 3 with the stainless steel plate 10 up on the concave side so that when the edges are cut to fit and fill the space between two of the members with the grooves, the portion between the edges will fit snugly against the foundation by the inherent spring of the metal so formed and inasmuch as the edges are held down the whole plate including the composite portions of 10, 11 and 12 will be held in straight tight form against the foundation. It will be here noted that any space formed by the space between the flanges 5a to 8a inclusive is also filled with a similar material to the member 12 so that there is provided a smooth upper surface flush with the upper surface of the flanges 5a to 8a inclusive. Then the unit member is positioned in place as hereinbefore described, thus providing a smooth, flat, stainless steel wearing surface for various purposes at economical costs.

Though I have shown and described a particular construction, combination and arrangement of parts and portions and a certain method of preparing wearing surfaces, I do not wish to be limited to this particular construction, nor to the particular method, but desire to include in the scope of my invention the construction, combination and arrangement and method substantially as set forth in the appended claims.

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

1. The herein described method of preparing

wearing surfaces consisting in preparing a surface unit consisting of a thin sheet of concave outer surfaced metal and a backing glued on the inner surface thereof, then placing the edges of said sheet of metal and backing into straight grooved supporting members whereby said concave outer surfaced metal is held in straight flat position.

2. The herein described method of preparing wearing surfaces consisting in preparing a thin sheet of metal, then placing a cementitious layer on the one side thereof, then placing a layer of backing material against said cementitious layer forming a unit, then forming said unit into concavo-convex shape with the sheet of metal on the outer concave side and then placing the edges of said sheet of metal and backing into straight grooved supporting members whereby said concave outer surfaced metal is held in straight flat position.

3. In a wearing surface means of the class described, the combination of a thin sheet of resilient metal plate having a concave outer surface and an opposing convex surface, a fibrous plate member secured on said convex surface of said sheet of resilient metal plate and conforming to the curvature thereof, and rigidly mounted edging members provided with opposed groove portions arranged to engage opposite edges of said metal plate and said fibrous plate for holding the same in flat relation whereby the resilient character of said metal plate tends to force itself inwardly in the opposite direction from the outer surface thereof.

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