July 18, 1933. F. SCHULTZ 1,918,493

PAN COVER AND FRAME

Filed Sept. 4, 1931

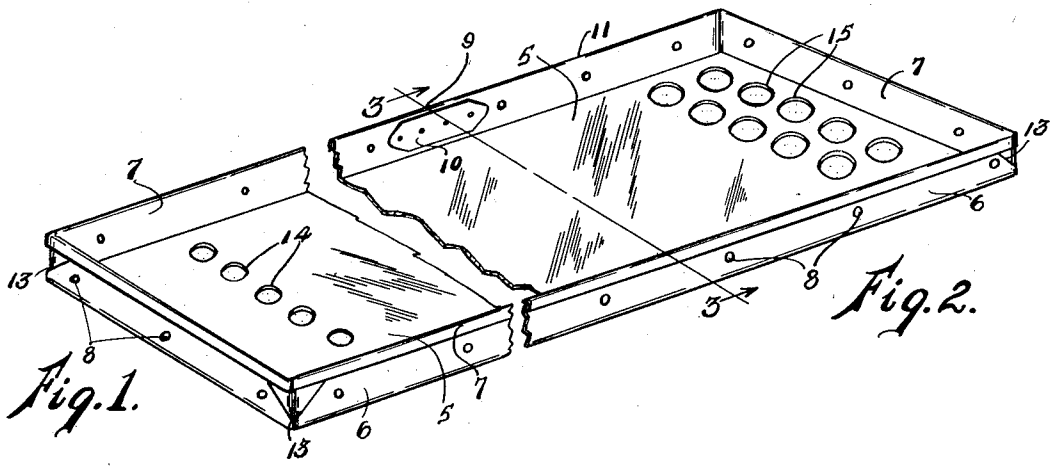


Fig. 1.

Fig. 2.

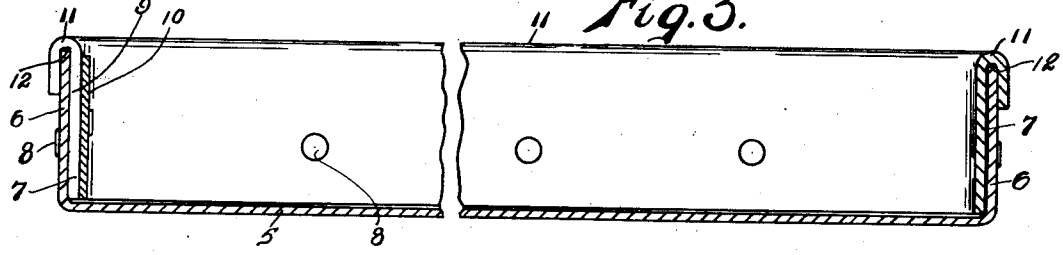


Fig. 3.

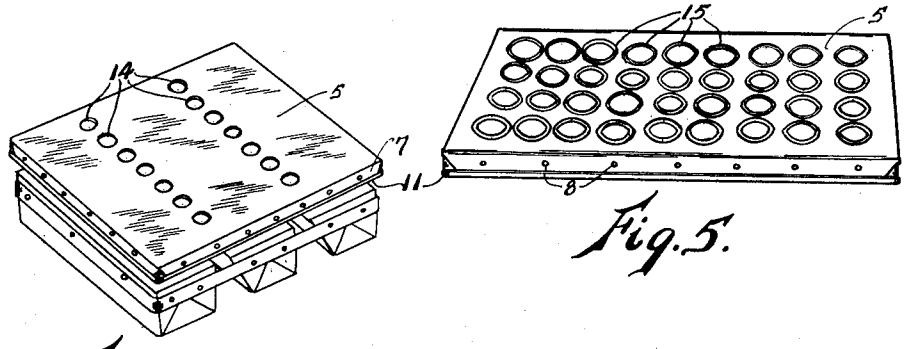


Fig. 4.

Fig. 5.

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UNITED STATES PATENT OFFICE

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PAN COVER AND FRAME

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This invention relates to an article adapted for use in large bakeries and known, in one instance, as a Pullman pan cover, and, in another instance, as a cup cake frame.

An object of the invention is to provide an article of the class described which is simple in structure, and fortified against wear at those places where such articles have been previously known to deteriorate.

Another object is to provide such a device comprising structural features adapted to protect the hands of workmen against injury by cutting or scratching.

Another object is to produce an article of this kind which provides for added efficiency and utility in its use as a pan cover.

These and other objects are attained by the means described herein and illustrated in the accompanying drawing, in which:

Fig. 1 is a fragmentary perspective view in the inverted position, of the device of the present invention, as perforated for use as a pan cover.

Fig. 2 is a similar fragmentary perspective view of the device partially perforated for use as a cup cake frame.

Fig. 3 is a cross sectional view taken on line 3—3 of Fig. 2.

Fig. 4 is a perspective view of a pan cover of this invention just previous to its positioning upon a set of pans.

Fig. 5 is a perspective view of a cup cake frame constructed in accordance with this invention and having the cups therein.

In previous devices of the kind herein contemplated, it has been common to provide a metal sheet, having its edges turned angularly in the same direction. A metal band was secured interiorly of the flanges so formed and the edges of the flanges were subsequently turned inwardly to embrace the outer edge of the metal band. In use, devices of this kind rest upon the sheet-enclosed outer edge of the metal band and are slid into and out of ovens and about the work tables. The result of such usage was the wearing away of that portion of the metal sheet covering the outer edge of the metal band so that said edge, after a period of use became exposed and the adjacent portions of the metal sheet ragged, unadapted for proper sliding movement, unsanitary due to the cracks and apertures thus resulting, and dangerous in handling by the workmen. In another article of the same type, the sheet, instead of having its edge portions turned inwardly over the metal band, was cut off exteriorly of and adjacent the inner edge of the metal band and thereafter secured thereto. The disadvantage however, of an exposed or "raw" edge formed by the cut edge of the metal sheet, was still present.

These undesirable features have been overcome by means of the present invention. Herein, the edges of the metal sheet are turned angularly to a suitable extent, a strip of band iron is secured longitudinally of the interior faces of the flanges so formed, and the outer edge portion of the band is turned outwardly over and embracing the edges and adjacent portions of said flanges. Thus a smooth rolled edge of band iron, indefinitely durable, replaces the former structure in which only a layer of thin sheet metal covered the band. Other advantages will be brought out in course of the following specification.

With reference to the drawing: the device of this invention comprises a sheet of metal preferably rectangular, and having the surface or face portion 5, the edges of which are turned equally at substantially right angles to form the flanges 6. By reference to Fig. 1, it will be seen that the sheet edges are notched, as at 13, to facilitate formation of flanges and to prevent overlapping at the corners. A strip 7 of band iron, of greater width than the width of flanges 6, and of a length equal to the combined length of said flanges, is secured, such as by rivets 8, longitudinally of the inner faces of said flanges with its inner edge substantially in contact with the face 5 of the sheet metal. The end abutment line 9 of said strip may be strapped together, interiorly of the device, by a plate 10, secured to the band iron. The projecting outer edge of the band 7 is now turned outwardly of flanges 6 and downwardly at the outer faces thereof to form the rolled edge 11, closely embracing the edges 12 and the

adjacent portions of flanges 6. The rolled edge of band iron thus formed is designed to wear indefinitely. It precludes injury to the hands of the workmen and materially strengthens the frame and the whole device by this double structure along the lines of greatest stress and wear.

If it is desired to use the article as a Pullman pan cover, the face 5 may be provided with spaced rows of perforations 14, adapted to be positioned over the spaces occurring between the pans of a strapped series. In this connection, it should be noted that the added weight provided by the double edge of the band of this invention, tends to prevent the accidental removal from position of the pan cover due to the rise of bread. This fact is of considerable importance in the efficient baking system of the present day.

If the article is to be used as a frame for cake baking cups, larger perforations 15 may be provided it being understood that the cups in position project downwardly within the space between flanges 6. The rigidity of the frame assures even and efficient baking and long life of the frame device.

What is claimed is:

1. An article for baking and comprising a metal sheet having its edges turned down to provide flanges and a metal band extending longitudinally of and secured to the flanges and having its outer edge turned over and embracing the edges of said flanges for providing wear resistant non-abrasive hand protective rolled edges on which the article so formed is adapted to rest.

2. An article for baking and comprising a metal sheet having its edges turned at substantially right angles to form flanges extending in the same direction, and a metal band secured to and extending longitudinally of the inner faces of said flanges, the inner edge of the band being disposed substantially in contact against the metal sheet and the outer edge being turned outwardly over and embracing the edge and adjacent portions of said flanges, for providing wear resistant non-abrasive hand protective rolled edges on which the article so formed is adapted to rest.

3. A stock article for manufacture of baking utensils and the like, said article comprising a metal sheet having its edges turned down to provide flanges, and a hard metal band attached to and extending longitudinally of said flanges, said band being bent longitudinally to embrace the outer edges of the flanges for providing wear resistant non-abrasive hand protective rolled edges, the artitcle so formed being adapted to be perforated for use as a cover for bake pan units and for association with cake cups.

4. A frame for baking cups and comprising a metal sheet provided with a plurality of cup-receiving apertures and having its edges turned down to form flanges, and a heavy metal band attached to and extending longitudinally of said flanges, the band being bent longitudinally to embrace the edges of said flanges for providing wear resistant non-abrasive hand protective rolled edges on which the frame is normally adapted to rest.

5. A cover for multiple baking pan units and comprising a metal sheet having its edges turned down to form flanges, the body of the sheet being provided with aligned perforations adapted to register with the spaces normally provided between the pans of a unit, and a heavy metal band attached to and extending longitudinally of said flanges, said band being bent longitudinally to embrace the outer edges of the flanges for strengthening the flanges and for providing wear resistant non-abrasive hand protective rolled edges thereon.

6. A frame for baking cups and comprising a metal sheet provided with a plurality of cup receiving apertures and having its edges turned down to form flanges, and a heavy metal band attached to and extending longitudinally of said flanges, the band lying against the inner faces of said flanges and being bent longitudinally to embrace the edges of said flanges for providing wear resistant non-abrasive hand protective rolled edges on which the frame is normally adapted to rest.

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