Jan. 13, 1931. J. E. BLUMBERG 1,788,420

PINCUSHION

Filed Feb. 1, 1929

Fig. 1

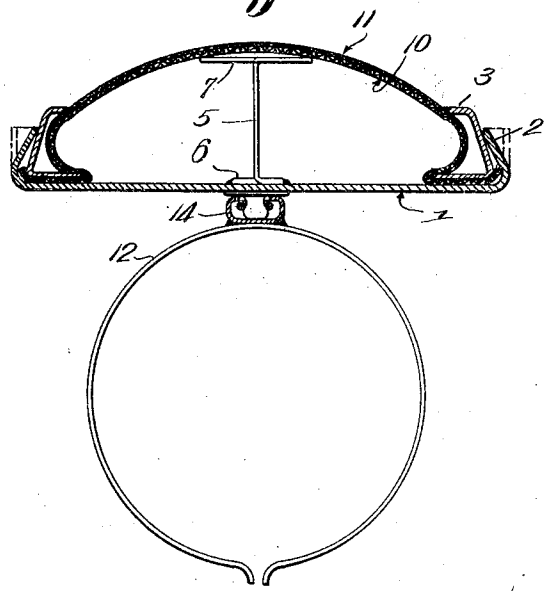
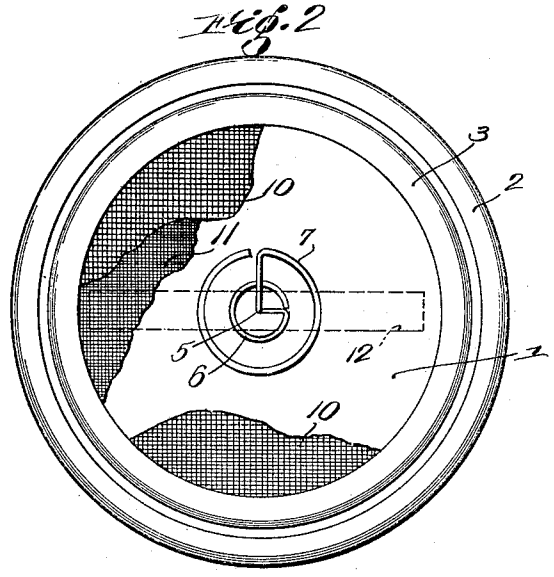



Fig. 2




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# UNITED STATES PATENT OFFICE

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## PINCUSHION

Application filed February 1, 1929. Serial No. 336,749.

This invention relates to an improved needle or pin cushion, and particularly to an article of this type which is adapted to withstand hard and constant usage for a long period.

Garment workers, dressmakers, seamstresses, milliners, and others engaged in the needleworkers' trades have constant use for a cushion to receive needles and pins, it being desirable to have such a device conveniently located and adapted to withstand comparatively hard usage. Pincushions are ordinarily filled with sawdust or a similar discrete material which, upon constant use tends to leak out of the cushion or to become packed and displaced; furthermore, the fabric covering of the cushion upon repeated use becomes pierced so frequently that it loses its original ability to retain the pins or needles in place, the filling in the meantime having become packed or dislodged. The useful life of the conventional cushion is thus quite limited when it is subjected to constant use.

The present invention affords an improved needle or pin cushion which is largely formed of metal and depends upon a reticulated metal sheet for holding the pins or needles in place. The device is light in weight and does not have a discrete filling of sawdust or the like which may tend to pack or work out of the cushion. Furthermore, this cushion is provided with a support adapted to be readily engaged with the knee or forearm of the user so that the pins and needles carried by the cushion may be instantly available and so that there is little likelihood of the cushion being misplaced or lost while in use. Preferably this supporting clip is readily removable from the body portion of the cushion so that it may be more conveniently carried, for example, in the pocket of the user or the like.

A cushion constructed in accordance with my invention may be manufactured at low cost out of simple metal parts and is adapted to last indefinitely, even when subjected to constant use in the hands of a worker in the needlecrafts or the like.

In the accompanying drawings,

Fig. 1 is a view in central section through my improved pincushion, the support therefor being shown in elevation and the dotted lines indicating the position of the parts before the same are permanently assembled; and

Fig. 2 is a top view of the cushion, portions thereof being broken away more clearly to show the construction thereof.

My improved cushion comprises a plate 1 which conveniently may be circular and may form a back for the body portion of the cushion. This plate is provided with an upstanding flange 2 which, when the parts are brought into juxtaposition, may extend substantially at right angles to the body portions of the plate, as indicated by the dotted lines of Fig. 1. Located within the flange 2 of plate 1 is a metal ring 3 which may be substantially of channel cross section with the bight portion of the channel inclined upwardly and inwardly and with the upper leg thereof of substantially less depth than the lower leg as shown.

A central support 5 preferably is secured to the intermediate part of the plate 1 in any suitable manner, as by a fused metal connection, riveting or the like. Support 5 may have any suitable form, as shown, comprising a piece of wire having a circular base portion 6 engaging the intermediate part of the plate 1, an upstanding portion 5, and a circular top portion 7.

A sheet of reticulated wire, for example screening of fairly fine mesh, is arranged with its edge disposed between the ring 3 and the upper surface of plate 1 and with its intermediate portion supported upon the ring 7 of the central support 5. Preferably a covering sheet of textile fabric 11, such as mohair, is disposed above the wire sheet 10. Due to the provision of the central support the intermediate portion of the meshed screen will receive a convex curvature, as shown, when the parts are brought into juxtaposition. The upstanding portion 2 of disk 1 is then flanged over upon the inclined peripheral part of the metal ring 3 so that the edges of the sheets 10 and 11 are gripped between the ring and the adjoining portion of the plate 1. Due to the curved shape imparted to the wire sheet, the intermediate part of

which has a gradual convex curvature merging into an annular bulge adjoining the ring 30, as shown, the edges of metal ring 3 engage or nip the same to hold it more firmly in place, as shown in Fig. 1.

My improved pincushion is provided with a support 12 which preferably may be a resilient metal clip that is connected to the intermediate part of the outer face of plate 1. For this purpose I preferably provide a detachable connection 14, such as a ball and socket joint, between the clip and the plate 1, for example, the ball portion of the fastening is secured by riveting, a fused metal connection or the like to the plate 1 and by any similar suitable means the socket portion of the fastening is secured to the metal clip.

It is evident that my improved pincushion may be readily snapped into engagement with the forearm or the knee of the user so that it is conveniently at hand and supports the pins or needles in position for ready use. When the cushion is not in active use the clip 12 may be detached from the body portion of the cushion to permit the cushion to be more compact and to be more conveniently carried. Due to the provision of the reticulated metal screen with the comparatively rigid support provided therefor by the metal ring and backing plate, the disadvantages of conventional cushions are avoided. Needles or pins pressed into engagement with the sheet material of this cushion will readily find their way into the openings between the wires without having their points turned or dulled.

Thus this device may be form-retaining for an indefinite period and is adapted to receive needles and pins for a long period of time without losing its shape or utility.

I claim:

1. A pincushion comprising a convex, reticulated wire sheet, a fabric covering for the same, a plate engaging the edge of the sheet and means rigidly securing the same to the plate, an intermediate brace extending from the plate to the intermediate portion of the sheet to hold the latter in its convex shape.

2. A pincushion comprising a convex, reticulated wire sheet, a fabric covering for the same, an intermediate brace extending from the plate to the intermediate portion of the sheet to hold the latter in its convex shape, a ring engaging the sheet near its edge, and a metal plate having its edge flanged over and clamping the margin of the sheet against the ring.

3. A pincushion comprising a convex, reticulated wire sheet, a fabric covering for the same, a plate engaging the edge of the sheet and means rigidly securing the same to the plate, an intermediate brace extending from the plate to the intermediate portion of the sheet to hold the latter in its convex shape, a support for said cushion and fastening means securing the support and brace to the metal plate.

4. A pincushion comprising a pair of convex sheets one of said sheets being formed of reticulated wire, a plate engaging the edge of the wire sheet, an intermediate brace extending from the plate to the intermediate portion of the sheet to hold the latter in its convex shape, and a ring engaging the sheet near its edge, the plate having its edge flanged over and clamping the margin of the sheet thereagainst.

5. A pincushion comprising a reticulated wire sheet having a convex central portion merging into a bulged annular portion, a plate engaging a marginal portion of the sheet extending from said bulged portion, and a ring of channel-like section disposed about the bulged portion and having a portion of smaller diameter spaced from the plate, the edges of the legs of the channeled ring engaging the bulged annular portion of the sheet, and the marginal portion of the sheet being disposed between the lower leg of the ring and the plate, the plate having a flanged-over periphery inclined upwardly and inwardly and thus being effective in causing the marginal portion of the sheet to be clamped between the lower leg of the channeled ring and the plate.

6. A pincushion comprising a sheet of reticulated wire, a plate engaging the edge of the sheet, and means rigidly securing the marginal portion of the same to the plate, and an intermediate support carried by the plate and extending to the central portion of the sheet to maintain the latter in its convex shape.

7. A pincushion comprising a reticulated wire sheet, a plate engaging the marginal portion of the sheet, and means cooperating with the plate to hold the margin of the sheet in fixed relation thereto, said means being effective in imparting an annular bulged edge to the sheet, the central portion of the sheet being convex and merging into said bulged edge portion, and a wire support carried by the plate and holding the intermediate part of the sheet in its convex position.

Signed by me at Boston, Massachusetts, this twenty-eighth day of January, 1929.

JULIUS E. BLUMBERG.