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W. M. SCHOLL

1,963,474

FOOT COMFORT PAD

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Fig. 1.

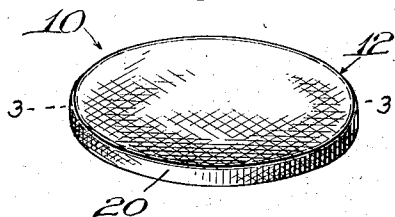


Fig. 2.

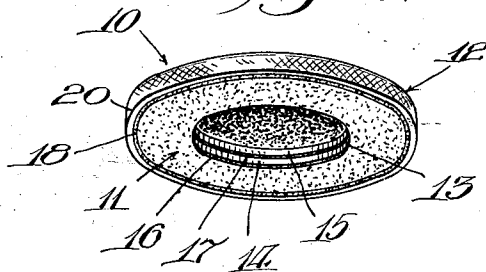


Fig. 3.

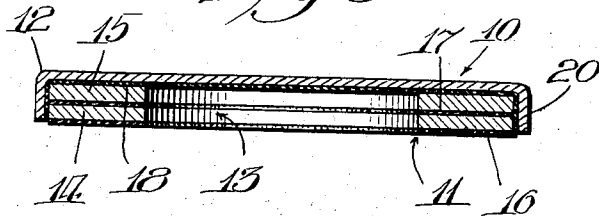
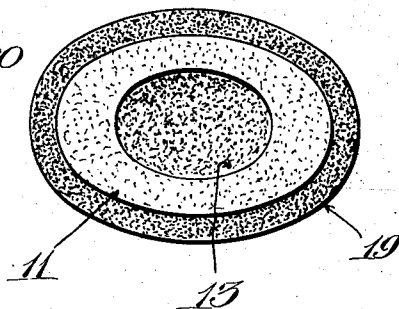


Fig. 4.



Inventor:
William M. Scholl
by Rector, Hibben, Davis & Macaulay
Attys.

UNITED STATES PATENT OFFICE

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FOOT COMFORT PAD

William M. Scholl, Chicago, Ill., assignor to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York

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3 Claims. (Cl. 128—153)

My invention relates to adhesive pads for protecting or treating sensitive places on the human foot, such as corns, bunions, callouses, and chafed areas, and more particularly to pads made of stuck-together plies of fabric or other flexible material each having a film of adhesive-material on its under side.

Pads are widely used, of oval, round or other perimetral shape in which the superimposed layers, being simultaneously cut to identical shape, present a raw edge; the topmost ply being imperforate, the body-material below that layer being cut away to afford a shielding recess. In the generally known type of construction, the raw edge of the pad exposes a thin line of adhesive material at each plane of juncture between plies, and annoying results follow from this construction under some conditions of use. Shoe pressure sometimes causes the stocking to adhere to the edge-exposed adhesive; especially so where the shoe is pliant and snug and the hose is sheer, as in women's wear. Also, shoe-pressure and rubbing tends to deform the pad, crowding the upper plies out of vertical line with the lowest ply, and even causing appreciable "creeping" between plies, furthering the surface exposure of adhesive and the contact of the stocking with it.

One of the objects of my invention is to provide a pad construction formed of material-layers each adhesive-coated on its under side, in which exposure of adhesive that might contact with the stocking is substantially obviated or minimized even under most provocative and severe conditions of use. Other and further objects will become apparent from the following description taken in conjunction with the accompanying drawing wherein, for illustrative purposes, I have shown an embodiment of my invention in a multi-ply corn pad.

In the drawing,

Figure 1 is a perspective view, from above, of the complete pad;

Fig. 2 is a perspective view of the same from below;

Fig. 3 is a vertical cross-section on line 3—3 of Fig. 1; and

Fig. 4 is a detail showing the ply-blanks in assembled relation.

The pad, generally indicated at 10, comprises a body structure 11 and a cover structure 12. The body 11 is shown of conventional oval corn-pad shape, with the customary central opening 13 through its thickness to afford a protective recess or pocket. Suitable body thickness and bottom exposure of a film of adhesive material may be

provided for, and commonly are, by making the body of a plurality of layers of commercially-known "adhesive cloth", this being a closely woven fabric coated on its underside with a suitable adhesive film. Corn pads are usually made with two such body layers; larger pads for bunions, callouses, etc., with more than two. The drawing illustrates two such layers, 14 and 15, exposing the adhesive film 16 at the bottom and sticking the two layers together per adhesive film 17.

According to my present invention I so construct the pad that there is no exposure of any line of adhesive material at the pad-edge where superimposed layers of material are stuck together. In the specific construction shown the top or cover-structure 12 is a layer thin enough for very ready flexibility, preferably made of woven fabric and coated throughout its underside with the adhesive-film 18, the blank 19 (Fig. 4) of this material being made similar to the body in perimetral outline but of somewhat larger area to afford an edging border 20 extending uniformly beyond the body-blank. In the completed pad this edging is shaped down around the raw edge of the body to adhere to the body-edge, forming an edging skirt or flange that is deep enough to extend past the lowest line of adhesive material exposed at any joint between plies of the body material, and preferably extending substantially to the bottom of the completed pad.

It will be understood that the adhesive films and coatings above referred to are of a viscous, sticky character which are sufficiently non-drying to retain their sticky character in the pads after manufacture and during their period of use, as distinguished from dried adhesives which have become non-adherent, and that the term "adhesive", employed in the claims, is intended to be limited to material of a viscous nature.

By the construction described it is insured that when the pad is placed upon the foot there is no external exposure of any adhesive to which the stocking might adhere, and it will be appreciated that even under most severe conditions of pressure-distortion of the plies of the pad, pressing them out of their normal direct super-position or tending to creep one ply with respect to another, the edging makes it almost out of the question, from a practical standpoint, that any adhesive-film should become exposed to the stocking. Additionally, the construction enhances the sightliness of the pad by the uniform over-all texture and color of the top and edging, as well as the slightly rounded merging of the

top and edge material, and minimizes the possibility of getting any adhesive material on the fingers in handling the article.

While I have described in detail a preferred embodiment of my invention in one specific form, it will be understood that changes in the details of construction may be made in the embodiment of my invention within the scope of the appended claims.

10 I claim:

1. A foot-comfort pad having a recessed body formed of a plurality of plies of fabric each adhesive-coated on its underside and with the successive plies stuck together by the interposed adhesive, and all of said body plies being centrally apertured to form a shielding pocket, and a cover 15 ply of thin fabric adhesive-coated on its underside, covering said body and adhering thereto and having an edging extension stuck by its adhesive-coating to the edge portions of the body and extending below the lowest plane of juncture 20 of the body-forming plies.

2. A foot-comfort pad having a recessed body

formed of a plurality of plies of fabric each adhesive-coated on its underside and with the successive plies stuck together by the interposed adhesive, and all of said body plies being centrally apertured to form a shielding pocket, and a cover 80 ply of thin fabric adhesive-coated on its underside, covering said body and adhering thereto and having an edging extension stuck by its adhesive-coating to the perimetral side face formed by the registering edges of the body plies 85 and terminating at the bottom of the lowermost ply.

3. A foot comfort pad having a body adhesive-coated on its underside, said body being centrally apertured to form a shielding pocket, and a cover 90 ply of thin fabric adhesive-coated on its underside covering said body and adhering thereto and having an edging extension stuck by its adhesive coating to the perimetral side face of the body and terminating at the bottom of the 95 body.

WILLIAM M. SCHOLL.

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