Nov. 27, 1956 C. W. LEUPOLD 2,771,882

HYGIENIC INSERTION FOR WOMEN

Filed Sept. 23, 1952

Fig. 1

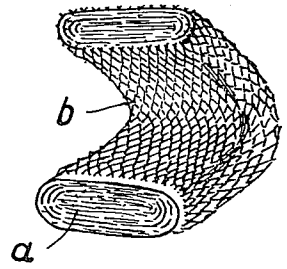



Fig. 2

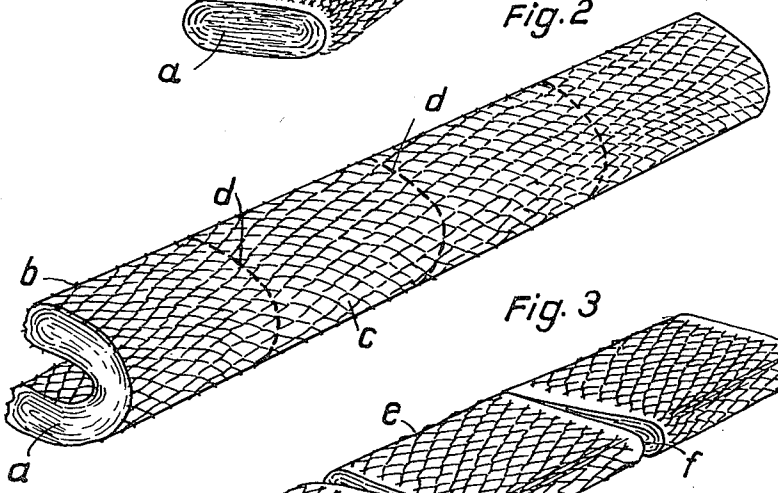



Fig. 3

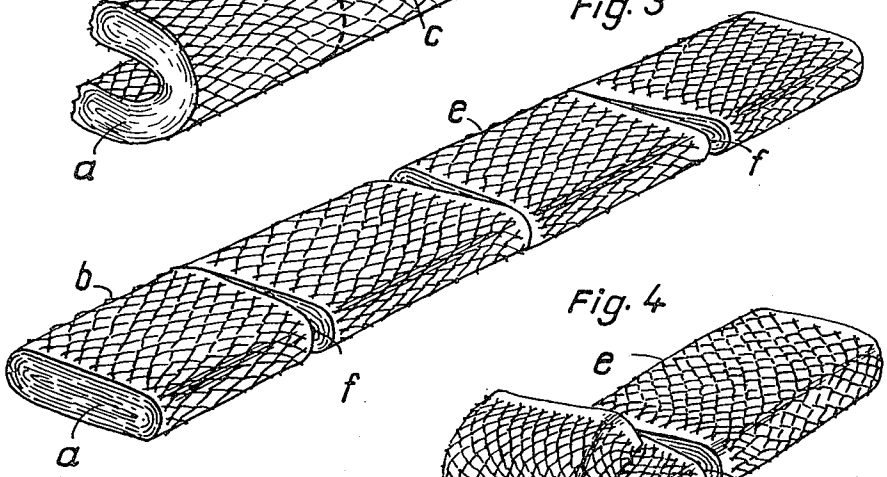



Fig. 4




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# HYGIENIC INSERTION FOR WOMEN

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Claims priority, application Germany September 29, 1951

1 Claim. (Cl. 128—290)

The known sanitary towels or ladies' bands which generally consist of an absorbent body of fibrous material, especially layers of cellulose, and a covering e. g. of knitted material wrapping covering said absorbent body have been well tried in practice. They are specially suitable for the days in which a large quantity of discharged matter takes place because of their considerable absorbent capability. For days, however, in which the quantity of discharged matter is smaller they are really too big with respect to their absorption capability as well as their dimensions.

It is further known to use plugs or insertions consisting of compressed wadding bodies generally provided with a wrapper. The tampon, however, is very critical, especially from the medical point of view, even on account of the possible damming up effect. Also the absorption capability of plugs leaves much to be desired especially if they are insufficiently loosened.

In contradistinction to these known means the present invention relates to a hygienic insertion for women consisting of a non-compressed absorbent body, e. g. of fibrous material, especially layers of cellulose, with a wrapper, e. g. of knitted material, said body being adapted to be inserted after it is folded into U-shape. The invention is based on the perception that such insertion corresponds to the requirements of the women, especially if a usual or normal sanitary towel or ladies' band is not necessary, i. e. on days on which a smaller quantity of discharged matter occurs. The invention allows the women to restrict the use of the relatively voluminous ladies' band to the days on which the quantity of the discharged matter is large, especially if this seems to be suitable in consideration of professional, sporting or other conditions.

According to a further feature of the invention the insertion is a separable portion of a flat absorbent body provided with a wrapper. This flat absorbent body is preferably provided with marks indicating the places at which it may be divided. Suitably the insertion may be provided with grooves, incisions or the like facilitating the severing of the individual portions. Thereby it is very easy to sever the required insertion at any time from the absorbent body member or portion which may be easily accommodated in a hand-bag.

It is possible according to the invention that the member has a U-shape cross section so that the individually severed portions have the form of a U-shaped folded portion. It is also possible to form the absorbent body as a flat piece, the severed portions of which may be folded into U-shape by the wearer before being inserted.



The drawing shows by way of example an embodiment of the invention.

Fig. 1 shows an insertion in the form of a folded portion as a perspective view,

Fig. 2 shows an absorbent body member of U-shaped cross section as a perspective view,

Fig. 3 shows a flat absorbent section as a perspective view,

Fig. 4 shows the folding of a portion severed from a flat body member, also as a perspective view.

The insertion according to Fig. 1 consists of an absorbent body *a* and a covering *b* as a wrapping. The absorbent body *a* may be made in the same manner as the absorbent body of a ladies' band, i. e. it may consist of layers of cellulose. The covering may suitably consist of knitted material as also known in connection with ladies' bands. However, also corresponding porous fabric may be used.

The insertion is a U-shaped folded portion adapted to be inserted with the folded edge in front, as may be clearly seen from Fig. 1. Due to the spreading effect of its two legs the insertion is secured in place in the inserted position. For facilitating its removal, the insertion may be provided with a ribbon or the like by which it may be pulled, said ribbon not being shown in the drawing. The forming or remaining of residues is completely prevented by the wrapper of the absorbent body.

Fig. 2 illustrates an insertion member *c* of U-shaped cross section provided with marks *d* indicating the places at which the member is to be subdivided into individual insertions. These marks may be provided on the member itself or in its packing consisting e. g. of cellophane or the like. When severing individual pieces these pieces are obtained in the form of U-shape folded sections.

As a modification, the embodiment according to Fig. 3 shows an insertion section *e* of flat form having a thickness and width as to allow the severed portions to be folded into U-shape as shown in Fig. 4. At the places at which the member is to be divided incisions *f* are provided facilitating the severing of the individual portions.

Besides the advantages already mentioned the insertion according to the invention has also the advantage of a smaller consumption of material of simple and easy handling and of reliable effect. Moreover it protects the body-linen against soiling.

The insertion may be provided in a manner known per se with additions of deodorizing and/or disinfectant and/or healing substances, e. g. in form of powder.

What I claim is:

A flat absorbent body of U-shape in cross section consisting of non-compressed fibrous material and a covering wrapping said absorbent body and consisting of a porous fabric, said body being provided with marks indicating the places at which the said absorbent body is to be subdivided for forming individual hygienic insertions for women adapted to be inserted in the U-shape form.

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