May 16, 1950 L. WILKENFELD ET AL 2,507,745

BUST FORM

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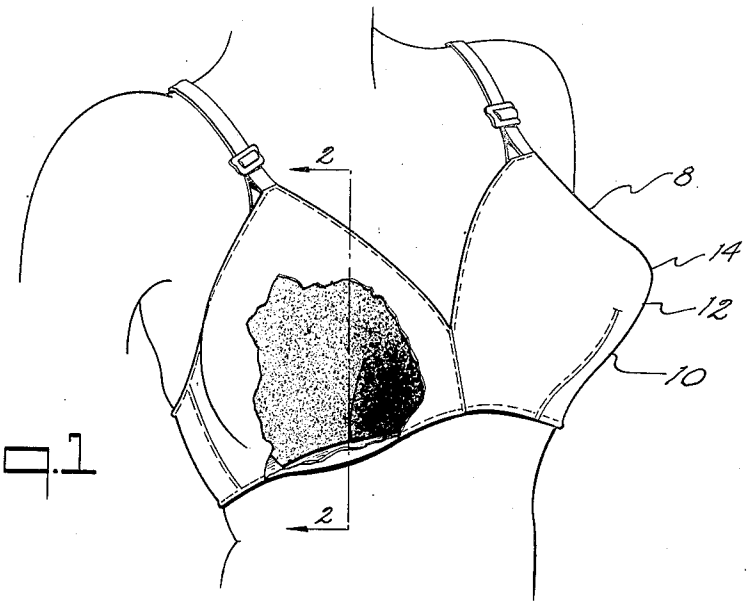


FIG. 1

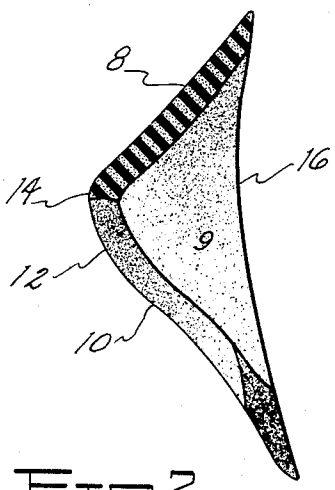
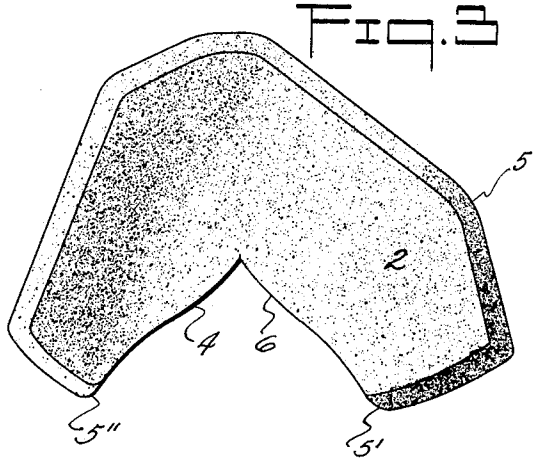


FIG. 2

FIG. 3



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BUST FORM

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5 Claims. (Cl. 2—267)

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Our invention relates to that class of devices which is intended to be used by women when their natural form is defective, for it is well known that some women have naturally small and meager breasts. This causes them to endure embarrassment due to their appearance. Attempts have been made to remedy this situation by providing garments designed or adapted to disguise their actual breast configuration.

Those women who have been obliged to resort to such measures have found them unsatisfactory owing to the difficulty of completely hiding such condition by the use of loose or flowing garments which only serve to minimize the condition while failing to overcome it. Even when attempts have been made to meet the conditions by the use of brassières it is still unsatisfactory because of the difficulty of correctly simulating the true form of a woman's breast.

Sometimes due to an operation which has resulted in the removal of all or a part of one breast it is an absolute necessity to replace the missing portion. Many devices have been devised to fill this need as obviously one does not desire to call attention to such a misfortune.

Devices constructed for this purpose are subject to many objections, one of which is that some are formed with a filling of cotton, lamb's-wool, hair, feathers or some vegetable fiber. These are unsanitary since they cannot be washed. In many instances the wearers are allergic to the material so used, with unpleasant results.

Other devices have a sharp edge where the forms contact with the body; this is most objectionable and produces discomfort to the wearer.

Our invention has for its principal object to overcome the foregoing objections and to produce a form which will very closely imitate the human form.

A further object is to provide a form which is entirely sanitary, and which can be washed repeatedly, yet retain its original shape.

A further object is to provide a form which will have a flat edge where it contacts with the body.

A further object is to provide a form which will be germ-proof and non-allergic.

A further object is to provide a form which will permit air to pass through the entire form.

A further object is to provide a novel manner of constructing our forms.

A further object is to construct our forms so that they can be used either for the right or left side.

Our means of accomplishing the foregoing object may be more readily understood by having

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reference to the accompanying drawings which are hereunto annexed and form a part of this specification in which:

Fig. 1 is a schematic view of our breast pad inserted in a brassière.

Fig. 2 is a side elevation partly in section taken along line 2—2 of Fig. 1.

Fig. 3 is a view of a blank of foam rubber cut along our novel lines.

Similar reference numerals refer to similar parts throughout the entire specification.

As shown in the drawings Fig. 3, we take a piece of foam rubber cut in an ellipsoidal shape, forming a blank 2. The outer edge 5 is then chamfered as clearly seen in Fig. 3. The parts indicated by lines 4 and 6 are drawn together and cemented tightly to each other. This results in a form which very closely approximates the human breast. Particular attention is invited to the special design of the lines 4 and 6. Thus, the lines 4 and 6 form an angle having a relatively wide base and, immediately before their junction at the apex of the angle, the said lines form a bulge and curve inwardly toward each other. Such inward curvature does not commence before about half way up each line, and in fact, the lower portions of the lines curve slightly away from each other as illustrated in Fig. 3. Accordingly, approximately centrally of each line, its curvature reverses so that the upper portions of the lines have a different center of curvature than the lower portions. In practice we have found that because of the peculiar curvature of the lines 4 and 6 a startling silhouette line is achieved. Referring to Figs. 1 and 2 it will be clearly seen that the top line 8 is outthrust in practically a straight line while the bottom line 10 has an inward reverse curve near the bottom but a gracefully rounded portion 12 at the upper part near the apex 14. All of this appealing design is achieved by the special curvature described above. The bottom is then shaped to conform to the base and its edge 5' is chamfered to fit the chamfered portion 5'' and these edges are then cemented together. This produces a slightly arcuate line 16 where the form contacts the body. The form is then covered with a suitable covering of silk, satin, or other material.

We have found in practice that it is advisable to make the outer covering of a fine satin or other fine material to make a form which is attractive to the eye, rather than of the ordinary covering which one hesitates to touch.

When it is desired to have the form solid, as where it is to replace a bust which has been

removed by a surgical operation, we fill the interior with ground foam rubber 9, as seen in Fig. 2. The form thus constructed can be worn with the confidence that no one can detect the difference, because the foam rubber when touched yields in very close approximation of the human breast.

It is clear that blank 2 may be circular in shape with the dart or cut being on the same lines 4 and 6 in Fig. 3. In this form the bottom will be chamfered as previously described thus presenting the flat surface 16 already referred to.

It will be clear from the foregoing specification that our improved breast forms can be worn when in bathing without any difficulty. In fact they can even be sewed into the bathing suit so that the wearer will not present any different appearance on the beach or in the water than when she is fully dressed.

It will also be obvious that the forms can be made to be used with all types of brassières. In some cases it may be found desirable to mould the foam rubber instead of forming it from a blank as heretofore described.

Having described our invention what we regard as new and desire to secure by Letters Patent is:

1. A bust form made from a sheet of rubber having a substantially V-shaped cut therein the edges of the cut having upper defining lines curving inwardly toward each other, and the lower having defining lines curving outwardly away from each other, so that the respective curvatures of the upper defining lines and the lower defining lines of each edge of the cut are reverse, the edges of the cut being cemented together thereby producing a form which simulates a human breast.

2. A bust form made from a sheet of foam rubber having a substantially V-shaped cut therein, the upper edges of which adjacent the apex thereof bulge toward each other and the lower edges of which curve outwardly away from each other, the edges of the cut being cemented together, thereby producing a form which simulates a human breast, the outer edge of said sheet being chamfered whereby a flat surface is presented to the body, a bottom for said form which coincides with the form when the edges of the cut are cemented together, the edge of said bottom being chamfered and fitted to the chamfered edge of the form.

3. A bust form made from a substantially circular sheet of rubber having a substantially V-shaped cut therein the upper edges of which adjacent the apex thereof curve inwardly toward each other, said upper edges thereby having a different center of curvature than the lower edges of the cut, the edges of the cut being cemented together, thereby producing a form which simulates a human breast, the outer edge of said sheet being chamfered whereby a flat surface is presented to the body.

4. A bust form made from a sheet of foam rubber having a substantially V-shaped cut therein with curved edges defining the cut, the upper portion of at least one edge of the cut adjacent the apex thereof reversing the curvature of the lower portion thereof and bulging toward the other edge.

5. A bust form made from a sheet of foam rubber having a substantially V-shaped cut therein with curved edges defining the cut, the upper portions of each curved edge of the cut adjacent the apex thereof reversing the curvature of the lower portions and bulging toward each other.

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