

**SUBSTITUTE**  
***REMPLACEMENT***

**SECTION is not Present**  
***Cette Section est Absente***



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This invention relates to brassieres, and in particular brassieres wherein the desired supporting and moulding functions are obtained while, at the same time, providing free movement of the body of the wearer with the least amount of restraint no matter the position of the wearer.

Many forms of brassiere are known to the art, for example in U.S. patents 3,094,991 issued to Smith, 25 June 1963 and 3,353,540 issued to Erteszek, 21 November 1967 among many others. All of these brassieres have similar objects to that of the present invention namely  
10 moulding and supporting the bust and these are achieved in a variety of ways, usually involving certain elastic and non elastic portions of the brassiere, completely elastic cups and the like. Many of the prior art brassieres have achieved, at least in part their objectives but often there is a tendency to flatten the bust cup which either causes discomfort to the wearer and/or unflattering shape.

It is therefore an object of the present invention to provide a brassiere which is provided with a non stretch cup and elastic portions adjacent the cup so that the cup can angle forward depending upon the size and the posture of the wearer, thus achieving comfort and a flattering  
20 shape at all times.

The object of the present invention may be achieved by providing a pair of elastic inserts on each side of a non elastic cup so that the cup may angle forward, about a point on the lower edge of the cup, by a lever action, so that the garment adjusts to natural actions such as breathing and to individual size differences while providing proper and adequate support for the breasts.

Other objects and advantages will become apparent from the following detailed description when read in conjunction with the accompanying drawings, which show several embodiments of the invention, but which are not to be construed as limiting, and in which:

30 Fig. 1 is a front elevation of a wired form of a brassiere of the present invention.

Fig. 2 is a front elevation of an unwired form of a brassiere



of the present invention.

and Fig. 3 is a front elevation of a wired and strapless form of a brassiere of the present invention.

In the drawings like parts are designated by the same numerals. Thus, in Figs. 1, 2 and 3 the brassiere comprises breast cups, generally shown as 10, disposed on a body encircling band generally shown as 11 on each side of the forward centre line 13 of the brassiere. Band 11 comprises a non elastic central portion 12, adjacent the breast cups 10, and outer elastic portions 14 which may be stretched in either direction as indicated by the arrows. The outer ends of the elastic portions 14, are provided with appropriate terminal fasteners 16.

The breast cups 10 - 10 are each preshaped and consist of a lower section of any suitable non stretchable or inelastic material, an upper central section 20 also of inelastic material and joined to upper edge of lower section 18 along its entire length by a curved seam line 22, and a pair of upper elastic portions 24 and 26 stretchable in the direction indicated by the arrows, disposed upon each side of upper central section 20. It is the cooperation between elastic portions 24 and 26 which effect the essential levering action of the present invention about a fulcrum located along the lower edge of lower section 18, and permits the maximum movement of the wearer without flattening of the breast cup and hence loss of shape or discomfort. Whatever the position of the wearer the shape of the breast cup is maintained, and proper support is provided.

In the embodiment of the invention shown in figure 1, the breast cups 10 are each provided with a relatively stiff semi circumferential wire 28 around the lower section 18 which extends substantially above the seam line 22 both adjacent and remote from central line 13. Wire 28 provides the anchor points 30, 32 for the outer edges of elastic panels 26 remote from breast cups 10, and its lowest point forms the fulcrum for the essential levering action. For added comfort and security shoulder straps 34 are provided. Shoulder straps 34 may be of any design, with conventional elastic and non elastic portions and with or without length



adjusters. Elastic portions 24 are generally quadrilateral, and are firmly secured to the upper edge of upper portions 20 and to the fabric covering wires 28, along the portion 30 of said wires. The other two side of elastic portions 24 are free and the shoulder straps 34 are generally attached to the elastic portions at a corner or anchor point 36 between the two free sides, so that the straps 34 do not impede the levering action of the cup.

Elastic portions 26 are generally triangular in shape and are firmly secured along the edge of breast cup 10 adjacent seam line 22 and to the fabric covering wires 28 at an anchor point or edge 32.

10 Elastic portions 24 and 26 can stretch as shown by the direction of the arrows in Fig. 1 so that the inelastic breast cups 18 can lever forward, relative to fixed points 32 and 36, about a fulcrum along the low point of wires 28 in response to movements of the wearer, while maintaining full and proper support of the breasts.

In the embodiment shown in Fig. 2 the wires 28 are omitted and quadrilateral elastic portions 24 are attached directly to the inelastic body encircling band 12 along a line 38, and triangular elastic portions 26 are joined together and to band 12 along a line 40.

20 The embodiment shown in Fig. 3 is basically similar to the embodiment shown in Fig. 1 except that the shoulder straps are omitted. Portions 24 are therefore made similarly to portions 26, i.e. triangular, as there is no need for anchor point 36. The operation of elastic portion 24 and 26 is as described under the other embodiments.



The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A brassiere comprising a body encircling band and a pair of inelastic breast cups respectively disposed at each side of a forward centre line of the band to support and mould each breast of the wearer independently; each cup having a pair of remotely spaced elastic portions fixedly attached to the upper edge thereof and to said band so that the upper edge of each cup is capable of moving outwardly and downwardly relative to said band in response to body movements of the wearer.

2. A brassiere as claimed in claim 1 including a relatively stiff semi circumferential wire around the lower edge of each of said cups.

3. A brassiere as claimed in claim 1, including a pair of shoulder straps each attached to said band adjacent a rearward centre line and to a respective one of the elastic portions remote from the forward centre line of the band.

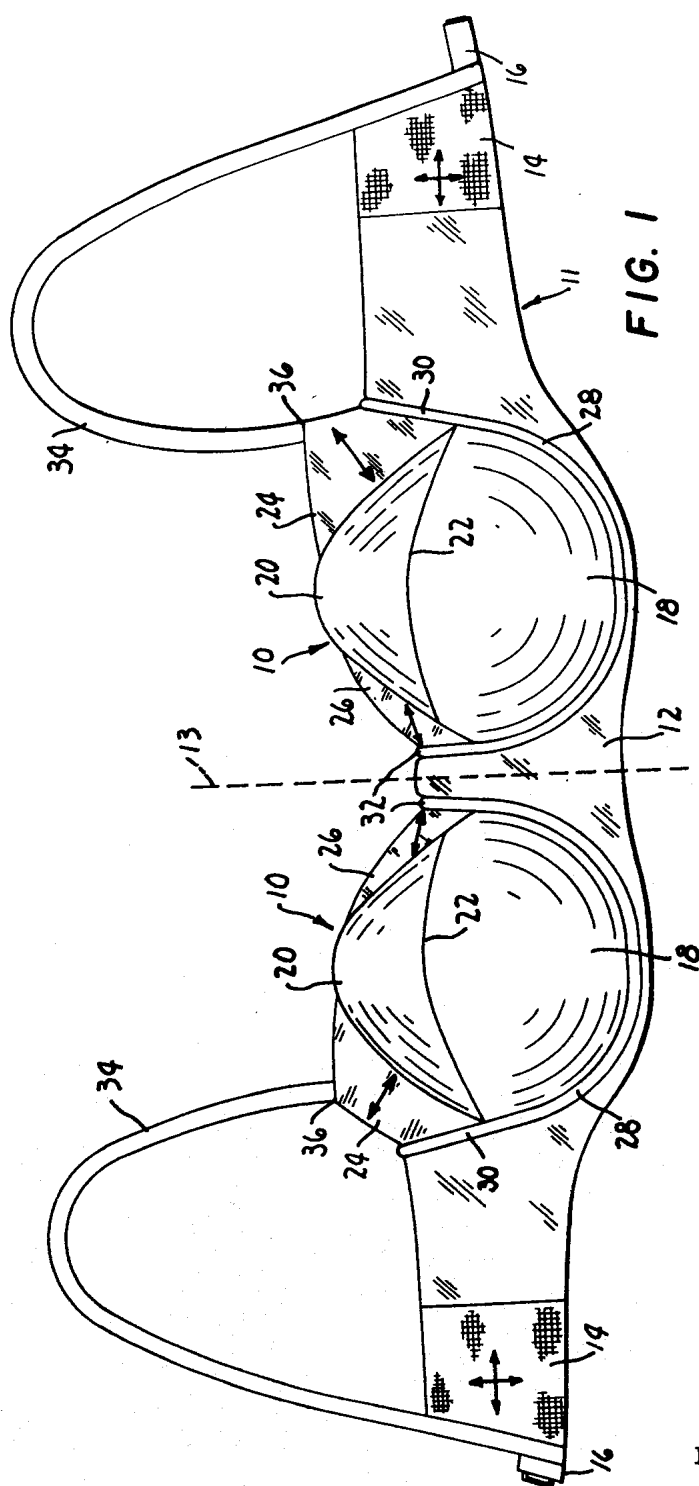
4. A brassiere as claimed in claim 3 wherein at least a portion of each of said shoulder straps is elastic.

5. A brassiere as claimed in claims 1, 2 or 3 wherein said band includes an elastic portion adjacent a rearward centre line.

6. A brassiere as claimed in claim 4 including a relatively stiff semi circumferential wire around the lower edge of each of said cups.







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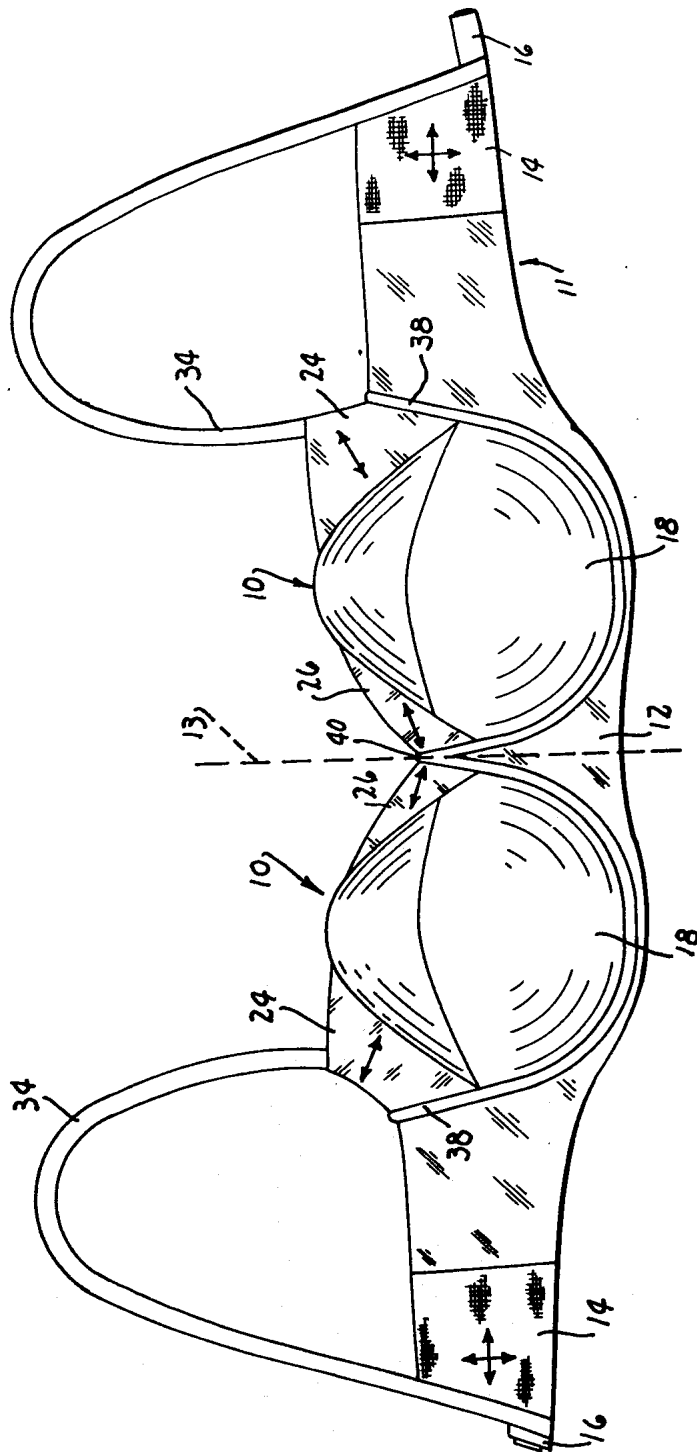


FIG. 2

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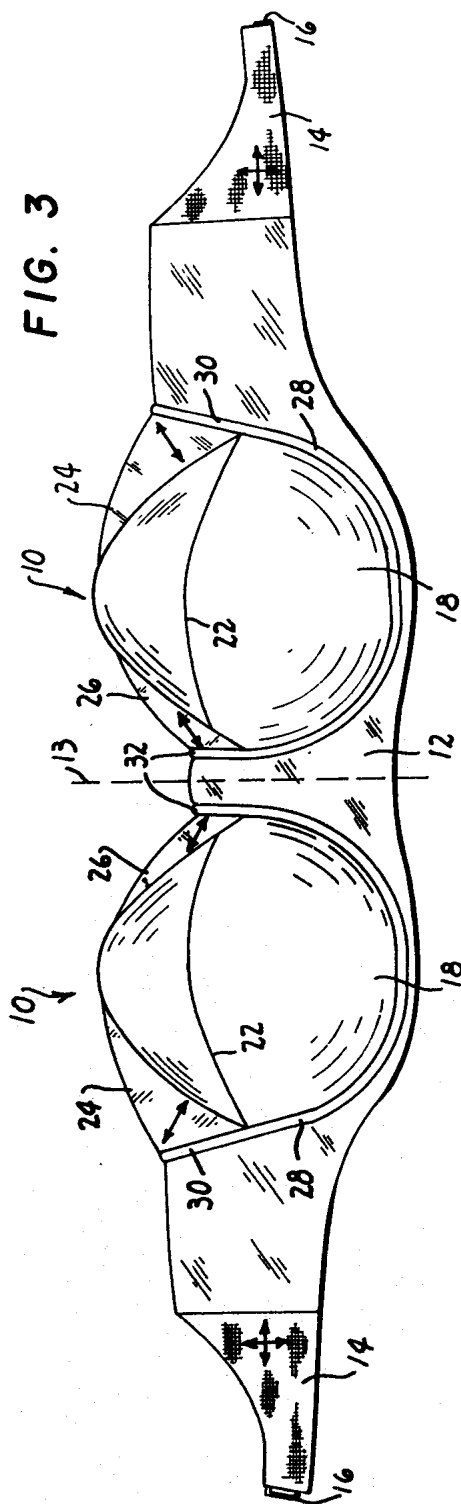


FIG. 3

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