The present invention relates to a posture supporting brassiere, and it particularly relates to a brassiere which will support the breasts of the wearer and at the same time give a correct posture.

It is among the objects of the present invention to provide an adjustable, form-fitting posture supporting brassiere which may be readily adjusted to the figure, which will be comfortable to wear and readily washed.

Another object is to provide a novel brassiere which will effectively brace the back of the wearer and at the same time support the breasts and which will enable a more healthful posture of the wearer without any discomfort.

A further object of the present invention is to provide a novel, full support brassiere which will be comfortable in bending and walking, and while effectively embracing the breasts and back of the wearer will give maximum support and foundation.

Still further objects and advantages will appear in the more detailed description set forth below, it being understood, however, that this more detailed description is given by way of illustration and explanation only and not by way of limitation, since various changes therein may be made by those skilled in the art without departing from the scope and spirit of the present invention.

In accomplishing the above objects, it has been found most satisfactory according to one embodiment of the present invention to provide a brassiere cup structure having separate upper and lower portions joined by a seam which extends horizontally across the center of the breast cup.

Below the breast cup and extending to the waistline will be a one way stretch elastic section, which will stretch laterally but not vertically. Each of the breast cups will be desirably biased so that their biases extend at a substantial inclination to one another and tend to converge towards the outside edge of the breast cup.

Over the front of the breast cup and inside of the center point of the breast cup there will extend upwardly from the bottom of the breast cup two heavy strap portions which will pass over the shoulders after leaving the breast cup at its point of maximum elevation.

These strap portions will be adjustable at the back of the brassiere and will cross to opposite sides at the rear of the brassiere before their adjustable or buckle attachment at the upper edge of the rear of the brassiere.

The back of the brassiere is desirably formed of a series of rectangular panels which if desired may have alternately opposite bias at 45°, or less preferably may have a straight bias.

With the foregoing and other objects in view, the invention consists of the novel construction, combination and arrangement of parts as hereinafter more specifically described, and illustrated in the accompanying drawings, wherein is shown an embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to which fall within the scope of the claims hereunto appended.

In the drawings wherein like reference characters denote corresponding parts throughout the several views:

Fig. 1 is a fragmentary perspective view of the brassiere showing the form which it assumes upon a wearer without the wearer being shown.

Fig. 2 is a rear view of the brassiere with the sides of the brassiere turned outwardly so as to show the brassiere structure.

Referring to Figs. 1 and 2 the brassiere is shown as having breast cups A with upper sections B and lower sections C.

These sections may have outwardly convergent biases as indicated by the upper arrows 10 and the lower arrows 11. Below the breast cup sections are the laterally stretchable elastic sections D.

These elastic sections D are stretchable in the double arrow direction as indicated at 12 and are not stretchable vertically.

The brassiere separates at its front center as indicated at E, and as also shown in Fig. 2 it has one side with the eyes 13 and the other side edge 14 provided with hooks to engage said eyes.

The rear panels F and G as shown in Fig. 2 are rectangular and although they may have a straight horizontal bias, they preferably have an alternating 45° bias as indicated by the arrows 15 on the outside panels and 16 on the inside panels.

The panels F and G are seamed together as indicated at 17, while the central panels G are seamed together as indicated at 18. The seam 18 is opposite the junction E and it forms the back center line of the garment.

The outside edges of the side panels F are seamed to the breast cups A and to the laterally elastic sections D along the vertical seams 19.

The horizontal seams 20 which form the junctions of the upper and lower breast cup sections B and C should extend across the entire front of the garment as shown in Fig. 1, and directly across the nipples at the center positions indicated by the crosses 21.

The present invention particularly relates to the positioning of the heavy reinforcing straps H. These heavy reinforcing straps H extend upwardly from separated places 22 to the junction seams 23 between the elastic sections D and the lower breast cup sections C.

They diverge upwardly as indicated at 24 extending over the parallel semi-circular seams 25 at the lower part of the breast cups A and extending semi-circularly from the seams 20 at the position 26 to the side edge seams 19 at the position 27.

These heavy straps H which are stitched at both sides as indicated at 28, to the breast cups then extend across the horizontal seam 20 substantially inside of the nipple points 21. They then extend up to the points 29 of maximum elevation of the breast cups to the position 30, where they cross the shoulders.

Along the top back periphery of the breast cup is a heavy strap J which is also double stitched at 31 over the top of the panels F and G, and also around the upper outside corners of the breast cups A as indicated at 32, where a sharp angle 43 is formed.

The heavy strap J then has two extensions 33 which extend upwardly over the shoulder at 34, and they finally join together at the position 35 on the back of the shoulders to terminate in a single strap 36, which has the adjustment buckles 37 and the end attachment 38.

These end attachment buckles 38 will connect to the
loops 39 on the back strap J and there will be a crossover at the position 40.

The heavy-duty straps H will pull up on the seam 23 at the bottom of the breast cups A and will particularly pull up on the reinforcing seams 25 adjacent the center junction E of the brassiere.

The lateral stretchable elements 12 of the panels D will resist this upward pull.

The position of the diverging straps H inside of the nipple points 21 and their extension across the center seams 20 to their final point of attachment 29 at the top of the breast cups will give maximum support to the breasts and at the same time will eliminate any discomfort.

At the same time, the heavy-duty strap J with its end extensions 33 and the sharp angle 43 will aid the supporting effect of the front upwardly divergent strap elements H.

The rear adjustable connections 37, together with the loop connections 39, will form a subsidiary structural frame for the brassiere in which the straps H and J will substantially lift the entire front of the bust and at the same time will throw the shoulders back and give maximum support.

This effect will be resisted by the bias of the upper and lower breast sections B and C which diverge outwardly as indicated at 10 and at one end will also be resisted by the lateral bias as indicated at 12 in Figs. 1 and 2.

This strap structure will throw the shoulders back while relieving the strain on the tissues of the breast and will give maximum posture support.

Desirably the straps H and J may be of heavy surgical tape or webbing and may be as well as the back sections F and G may be of cross-woven lightweight broadcloth or batiste.

If desired, to aid this posture effect, two bone carriers upwardly convergent and crossing the bias 16 may be provided at 44 with inserted reinforcement bone elements.

It is to be noted that the applicant has provided a particularly effective posture correcting brassiere garment which may be manufactured from available textile materials, and which may be varied in size to give desirable breast support.

Moreover, the buckles 37 and the loops 39, with the engagements 38, will enable correction of the size and shape of the garment and will enable variation of the effective posture correcting pull to be exerted upon the breasts and back of the wearer.

The leading distinctive feature of the present invention resides in the heavy peripheral band which extends around the upper edge of the garment and forms the top border of the garment, which is indicated at J in Fig. 2, and which extends as indicated by the double line of stitching 31 across the back of the garment and then upwardly and along the side borders of the shoulder strap portions as indicated at 33, 34 and 30.

The front sections, as indicated at 29 cross the peak or top portion of the breast-covering elements B and they then pass over the breast cup portions substantially inside of the peaks 21 and adjacent the center line indicated at E, until they meet the lower edge 23 of the breast cup sections.

This heavy peripheral band around the back of the garment gives the garment particularly suitable posture supporting characteristics, and although the elastic panels D may be substituted, they have been found most satisfactory in aiding this posture effect.

While there has been herein illustrated and described the preferred embodiment of the invention, it is to be understood that the applicant does not limit himself to the precise construction herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having now particularly described and ascertained the nature of the invention, and in what manner the same is to be performed, what is claimed is:

1. A posture supporting brassiere having its front part made up of two upper breast cup portions joined together at a front vertical middle seam and two laterally stretchable sections joined to the lower edge of said breast cup portions along a horizontal seam about midway of the height of the front of the brassiere, and said lower sections being joined together along a downward extension of said front vertical seam, a plurality of vertical back sections extending from and between the side edges of said breast cup portions and said lower sections and seamed together along vertical seams to form a complete back enclosure and heavy fabric strap members stitched to said back and extending obliquely divergently upwardly from the lower edges of the breast cup portions at the horizontal seam adjacent the vertical seam to the top of the breast cup and an additional heavy fabric strap member stitched to and extending along the upper edge of the vertical back sections, both straps extending upwardly from the top edge of the breast cup portions and forming shoulder straps.

2. A posture supporting brassiere having its front part made up of two breast cup portions having lower edges and being joined together at the front of the brassiere at a front vertical middle seam, a plurality of vertical back sections extending from and between the side edges of said breast cup portions at the sides of the brassiere and seamed together with said side edges of said cup portions along vertical seams to form a complete back enclosure and heavy fabric strap members stitched to said breast cup portions and extending obliquely divergently upwardly from the lower edges of the breast cup portions from the front vertical seam to the top of the breast cup portions and an additional heavy fabric strap member stitched to and extending along the upper edge of the vertical back sections, both straps extending upwardly from the top edge of the breast cup portions and forming shoulder straps.

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UNITED STATES PATENTS

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<td>June 7, 1949</td>
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FOREIGN PATENTS

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