

A 3D Bra Cup with Steel Ring

Field of Technology:

The present invention relates to a 3D Bra Cup with Steel Ring that falls into the category of garment and lady underwear in particular.

Background of Technology:

In prior art, the bra cup serves as an important component of the breast section for such underwear as brassieres to protect and brace the breast of the wearer, and decorate her appearance, thus embodying her perfect bodily curve. The bra cup is mostly made with thermoformed sponge as filling material, and its outer edge is embedded with metal or rigid non-metal bracing ribs known as steel ring. The steel ring is normally sewn on the bra cup fabric surface of brassieres. Bra cup with this structure may sometimes cause discomfort for the wearer due to the existence of steel ring. In addition, existing bra cups have other disadvantages such as uneven appearance and displacement when worn by the wearer.

Summary of the Invention:

The objective of the present invention is to provide a comfortable, attractive steel ring bra cup with fitness and body-shaping functions.

The objective of the present invention is achieved in the following manner:

A 3D bra cup with steel ring, wherein the bra cup body

comprises an upper layer and a lower layer; a bracing steel ring is provided between the upper layer and the lower layer; a thicker section is provided on the said bra cup body corresponding to the lower section and lateral section of human breast.

A protruding antiskid bar is provided on the inner side of the said bra cup.

A thermoformed thinner section is provided on the edge section of the said bra cup body.

The said bra cup body may have a semi-cup shape or a 3/4-cup shape with shoulder band or a triangular-cup shape.

The present invention enables the inner curves of such underwear as brassieres to closely fit the breast shape of the wearer, and enables the wearer to have an experience of comfortable fit; the concealed steel ring not only has attractive appearance but also properly braces and corrects the shape of the wear's breast. As a result, it creates a feminine style of protruding breast, plump dimension and perfect curves to meet consumers' requirements for fitness and body-shaping underwear.

Description of Enclosed Drawings:

Fig.1 is the structural diagram of the present invention.

Fig.2 is the A-A sectional view of Fig.1 in the present invention.

Fig.3 is the B-B sectional view of Fig.1 in the present invention.

Fig. 4 is the exploded view of the present invention.

Fig.5 is the diagram of the semi-cup structure in the present invention.

Fig.6 is the diagram of the triangular structure in the present invention.

Fig.7 is the diagram of the structure of the 3/4-cup shape with shoulder band in the present invention.

Fig.8 is the diagram of the protruding antiskid bar structure in the present invention.

Fig.9 is the C-C sectional view of Fig.8 in the present invention.

Fig.10 is the diagram showing the actual application of the present invention.

Preferred Embodiments:

A detailed description of preferred embodiments in the present invention based on the description of Fig.1, 2, 3, 4, 5, 6, 7, 8, 9 and 10 is given below:

Embodiment 1: Shown in Fig.1, 2, 3, 4, 6, 7 and 10.

In this embodiment, the said bra cup body (1) comprises upper layer (11) and lower layer (12); a bracing steel ring (4) is provided between the said upper layer (11) and lower layer (12); such a structure can ensure overall smoothness and attractive appearance for bra cups; a thicker section (2) is provided on the said bra cup body (1) corresponding to the lower section and lateral section of human breast. The purpose of providing the thicker section is to enable the bra cup in the present invention to closely fit human breast curves and truly perform bracing and shape-correcting functions. To

improve the comfort of the bra cup in the present invention and improve the sewing between shoulder band (21) and rear linking band (22), a thermoformed thinner section (3) is provided on the edge section of the said bra cup body (1). The said bra cup body 1 may have a 3/4-cup shape with shoulder band (8) or a triangular-cup shape (6). 3/4-cup shape with shoulder band (8) is adopted in this embodiment. Linking shoulder band (21), rear linking band (22) and middle linking buckle (23), it is possible to make a comfortable, attractive bra cup with bracing and shape-correcting functions.

Embodiment 2: Shown in Fig.5, 8 and 9.

In this embodiment, the said bra cup body (1) has a semi-cup shape (5), wherein a protruding antiskid bar (9) is provided on the inner side of the said bra cup (1). This can increase the friction between the inner side of bra cup and breast skin, prevent bra cup displacement as well as the overall displacement of brassieres and improve comfort for wearers.

Other sections in this embodiment are the same as those in Embodiment 1.

Claims

1. A 3D bra cup with steel ring, wherein the said bra cup body (1) comprises upper layer (11) and lower layer (12); a bracing steel ring (4) is provided between the said upper layer (11) and lower layer (12); and a thicker section (2) is provided on the said bra cup body (1) corresponding to the lower section and lateral section of human breast.
2. The 3D bra cup with steel ring of Claim 1, wherein a protruding antiskid bar (9) is provided on the inner side of the said bra cup (1).
3. The 3D bra cup with steel ring of Claim 1, wherein a thermoformed thinner section (3) is provided on the edge section of the said bra cup body (1).
4. The 3D bra cup with steel ring of Claim 1 or 2 or 3, wherein the bra cup (1) has a semi-cup shape (5) or a 3/4-cup shape with shoulder band (8) or a triangular shape (6).