

Description

The present invention relates to a brief for improving the silhouette of the lower half of the body of man in appearance, when a man wears the brief and a further garment such as tights thereon.

The applicant of the present application has proposed a brief (as Japanese Utility Model Publication Laid-Open No. heisei 1-129203) in which a shaping member is inserted therein at the position corresponding to the penis of a man, thereby adjusting the shape to the swell generated by the penis and obtaining a beautiful silhouette of the lower half of the body of the man who wears a dancing suit or a swimming suit.

A brief according to the preamble of claim 1 is known from FR-A-2 215 906 and has a front portion and a shaping portion at the position of said front portion, said shaping portion in horizontal cross-section having an internally concave extent to accommodate a wearer's penis, the horizontal cross-section of said shaping portion being further such that its external surface is a substantially smooth convex surface. The shaping portion may have a lining on its inner surface only or it may be positioned between two linings of the brief.

According to the conventional example, it is possible to produce a beautiful silhouette, however it is not possible with this shaping member to follow a hard movement of man sufficiently.

The object of the invention is to provide a brief capable of smoothly following the movement without deforming the silhouette and thereby obtaining a beautiful silhouette.

A further object of the present invention is, to stably support the penis of a person who wears the brief without deforming the silhouette.

A still further object of the present invention is to stably support the penis of a person who wears the brief to enable a hard movement of the wearer to be followed.

A preferred advantage of the present invention is to provide a brief which fits the penis of a person who wears the brief by taking account of the size of the penis of a person who wears the brief, thereby enabling the smooth following to the movement and eliminating any deformation of the silhouette.

These objects are solved in accordance with the present invention by a brief including the features of claim 1.

Advantageous embodiments of the present invention are defined in the dependent claims.

One preferred embodiment of the present invention resides in that the shaping portion has a concave inner surface and a convex outer surface, for shaping the formation of a swell generated by the penis of the wearer of the brief at the position

corresponding to the part of the front portion of the brief, and a three-layer construction including an outer cloth, an inner cloth, and a soft synthetic resin layer provided between the outer cloth and the inner cloth.

A second preferred embodiment of the present invention resides in that the shaping portion at the position corresponding to the part of a person who wears the brief has a hard synthetic resin layer within the shaping portion having a concave portion for receiving the penis at the inner surface thereof and a convex portion at the outer surface thereof, and a fixing portion at the open end of the concave portion.

A third preferred embodiment of the present invention resides in that the shaping portion having a concave inner surface and a convex outer surface, at the position corresponding to the part of a person who wears the brief, has a thin and hard synthetic resin layer, and a receiving bag for receiving the shaping member, at the inner side of the layer.

The shaping member can be composed of a shaping member made of a hard synthetic resin, the shaping member having a concave portion at the whole surface thereof and a fixing portion at the open end of the concave portion.

The shaping member can alternatively be of cotton, cloth or the like.

According to the present invention, the front portion can be integrally formed with the three-layer construction composed of the outer cloth, the inner cloth, and the soft synthetic resin layer, and therefore it is possible to smoothly follow the movement without any deformation of the silhouette, which results in a beautiful silhouette. Furthermore, according to the present invention, the shaping portion can have the hard synthetic resin layer, the concave portion at the inner surface thereof, and fixing portions at the both sides of the open end, and therefore the penis of a person who wears the brief may be stably supported thereby enabling the the hard movement to be followed.

Furthermore, according to the present invention, a receiving bag can be provided inside the hard synthetic resin layer of the shaping portion for receiving the shaping member, and therefore it is possible to select a suitable shaping member in accordance with the size of the penis to thereby obtain a suitable fitness and good following of the movement without any deformation of the silhouette.

The features of the present invention will be more clearly understood from the following description on the basis of the drawings.

Fig. 1 is a partial section and side view of one embodiment of the present invention.

Fig. 2 is a partially broken front view of the embodiment in Fig. 1.

Fig. 3 is a front view showing a further embodiment.

Fig. 4 is a section side view of a main portion of an even further embodiment showing the details of the present invention.

Fig. 5 is an enlarged sectional view taken along the line V - V in Fig. 4.

Fig. 6 is a section in side view of a main portion of another embodiment showing the details of the present invention.

Fig. 7 is an enlarged sectional view taken along the line VII - VII in Fig. 6.

Fig. 8 is a sectional view of a shaping member.

As shown in Figs. 1 and 2, the front portion 2 of a brief 1 is composed of a three-layer construction including an outer cloth 3, an inner cloth 4, and a soft polyurethane layer 5 located between the outer and inner clothes. There is provided a shaping portion 6 forwardly swelled at the position of the front portion 2 corresponding to the penis, the shaping portion 6 being for the purpose of improving the shape of the swell portion generated at the front portion by the penis. The shaping portion 6 is formed so as to include the penis sufficiently and improve the silhouette of the penis, and it is approximately L-shaped in section as shown in the drawing.

The front portion 2 is made such that the soft polyurethane layer 5 sandwiched by the outer cloth 3 and the inner cloth 4 are integrally pressed with heat. The shaping portion 6 is also made simultaneously.

The present invention is not limited to the above-mentioned example, and applicable to the supporter type brief 1a as shown in Fig. 3. In this example, there are provided, in the waist band portion 7a, bones 8a and 8a made of plastic material or a thin metallic wire disposed in the width direction (vertical direction) at the position corresponding to the upper ends of the front portion 2a. Thus, the flexible waist band portion is prevented from being bent in the width direction over time. 6a is a shaping portion.

The brief 1b as shown in Figs. 4 and 5 is made for the purpose of following to a hard movement of the person who wears the brief. In this example, there is inserted a hard synthetic resin layer 5b into the shaping portion 6b of the front portion 2b, the resin layer 5b being made of rigid type foamed polyurethane and covered by an outer cloth 3b and an inner cloth 4b. The shaping portion 6b is provided with a concave portion 6b1 for receiving the part and fixing portions 6b2 and 6b2 are mounted at the both sides of the open end of the concave portion. The fixing portion 6b2 functions to limit the movement of the part due to a hard movement of

the person who wears the brief when the part is located within the concave portion 6b1.

The front portion 2b is made such that the hard synthetic resin layer 5b sandwiched by the outer cloth 3b and the inner cloth 4b is integrally pressed.

In this example, since the part is stably received in the concave portion 6b1, it is possible to follow to the hard movement.

In the brief 1b as shown in Figs. 4 and 5, the shaping portion 6b has the rigid type foamed polyurethane layer 5b and the inner surface formation of the concave portion 6b1 is fixed, and therefore a gap between the part and the inner surface of the concave portion may be sometimes produced in accordance with the size of the part.

Under the circumstance, the brief 1c shown in Figs. 6 and 7 is formed to eliminate such a gap therebetween.

In the brief 1c, the shaping portion 6c of the front portion 2c provides a rigid type polyurethane layer 5c with a thin thickness inside an outer cloth 3c. There is provided a receiving bag 9 inside the shaping portion 6c. A shaping member 10 made of rigid type foamed polyurethane as shown in Fig. 8 is inserted into the receiving bag 9. The shaping member 10 can be removable from the receiving bag 9.

The formation of the shaping member 10 is substantially the same as that of the shaping portion 6b as shown in Fig. 5, and 10a is a concave portion and 10b is a fixing portion.

In usage of the brief 1c, the user can select a shaping member 10 suitable for the part of the user from a selection of shaping members with different sizes and inserts it into the receiving bag 9. In this manner, the part can be suitably fitted to the shaping portion 6c.

The shaping member is not limited to such a shaping member 10, but it may be cotton or cloth.

The present invention is especially useful for a brief to improve the silhouette of the lower half of the body, for example under tights worn by a sportsman such as a male dancer, a gymnast, or an aerobics exerciser, but it is not limited to such examples and it is usable also for a swimming suit, casual wear such as denim pants, and trunks.

In the case of using the brief with a swimming suit, the material of the brief may suitably be non-water absorbant.

Claims

1. A brief (1, 1b, 1c) for men having a front portion (2, 2b, 2c) and a shaping portion (6, 6a, 6b, 6c) at the position of said front portion, said shaping portion (6, 6a, 6b, 6c) having in horizontal cross-section an internally concave

Fig. 2 is a partially broken front view of the embodiment in Fig. 1.

Fig. 3 is a front view showing a further embodiment.

Fig. 4 is a section side view of a main portion of an even further embodiment showing the details of the present invention.

Fig. 5 is an enlarged sectional view taken along the line V - V in Fig. 4.

Fig. 6 is a section in side view of a main portion of another embodiment showing the details of the present invention.

Fig. 7 is an enlarged sectional view taken along the line VII - VII in Fig. 6.

Fig. 8 is a sectional view of a shaping member.

As shown in Figs. 1 and 2, the front portion 2 of a brief 1 is composed of a three-layer construction including an outer cloth 3, an inner cloth 4, and a soft polyurethane layer 5 located between the outer and inner clothes. There is provided a shaping portion 6 forwardly swelled at the position of the front portion 2 corresponding to the penis, the shaping portion 6 being for the purpose of improving the shape of the swell portion generated at the front portion by the penis. The shaping portion 6 is formed so as to include the penis sufficiently and improve the silhouette of the penis, and it is approximately L-shaped in section as shown in the drawing.

The front portion 2 is made such that the soft polyurethane layer 5 sandwiched by the outer cloth 3 and the inner cloth 4 are integrally pressed with heat. The shaping portion 6 is also made simultaneously.

The present invention is not limited to the above-mentioned example, and applicable to the supporter type brief 1a as shown in Fig. 3. In this example, there are provided, in the waist band portion 7a, bones 8a and 8a made of plastic material or a thin metallic wire disposed in the width direction (vertical direction) at the position corresponding to the upper ends of the front portion 2a. Thus, the flexible waist band portion is prevented from being bent in the width direction over time. 6a is a shaping portion.

The brief 1b as shown in Figs. 4 and 5 is made for the purpose of following to a hard movement of the person who wears the brief. In this example, there is inserted a hard synthetic resin layer 5b into the shaping portion 6b of the front portion 2b, the resin layer 5b being made of rigid type foamed polyurethane and covered by an outer cloth 3b and an inner cloth 4b. The shaping portion 6b is provided with a concave portion 6b1 for receiving the part and fixing portions 6b2 and 6b2 are mounted at the both sides of the open end of the concave portion. The fixing portion 6b2 functions to limit the movement of the part due to a hard movement of

the person who wears the brief when the part is located within the concave portion 6b1.

The front portion 2b is made such that the hard synthetic resin layer 5b sandwiched by the outer cloth 3b and the inner cloth 4b is integrally pressed.

In this example, since the part is stably received in the concave portion 6b1, it is possible to follow to the hard movement.

In the brief 1b as shown in Figs. 4 and 5, the shaping portion 6b has the rigid type foamed polyurethane layer 5b and the inner surface formation of the concave portion 6b1 is fixed, and therefore a gap between the part and the inner surface of the concave portion may be sometimes produced in accordance with the size of the part.

Under the circumstance, the brief 1c shown in Figs. 6 and 7 is formed to eliminate such a gap therebetween.

In the brief 1c, the shaping portion 6c of the front portion 2c provides a rigid type polyurethane layer 5c with a thin thickness inside an outer cloth 3c. There is provided a receiving bag 9 inside the shaping portion 6c. A shaping member 10 made of rigid type foamed polyurethane as shown in Fig. 8 is inserted into the receiving bag 9. The shaping member 10 can be removable from the receiving bag 9.

The formation of the shaping member 10 is substantially the same as that of the shaping portion 6b as shown in Fig. 5, and 10a is a concave portion and 10b is a fixing portion.

In usage of the brief 1c, the user can select a shaping member 10 suitable for the part of the user from a selection of shaping members with different sizes and inserts it into the receiving bag 9. In this manner, the part can be suitably fitted to the shaping portion 6c.

The shaping member is not limited to such a shaping member 10, but it may be cotton or cloth.

The present invention is especially useful for a brief to improve the silhouette of the lower half of the body, for example under tights worn by a sportsman such as a male dancer, a gymnast, or an aerobics exerciser, but it is not limited to such examples and it is usable also for a swimming suit, casual wear such as denim pants, and trunks.

In the case of using the brief with a swimming suit, the material of the brief may suitably be non-water absorbant.

Claims

1. A brief (1, 1b, 1c) for men having a front portion (2, 2b, 2c) and a shaping portion (6, 6a, 6b, 6c) at the position of said front portion, said shaping portion (6, 6a, 6b, 6c) having in horizontal cross-section an internally concave



extent (6b1, 10a) to accommodate the wearer's penis, the horizontal cross-section of said shaping portion being further such that its external surface is a substantially smooth convex surface, said front portion comprising an outer cloth (3, 3b, 3c) and an inner cloth (4, 4b, 9) with a shaping member (5, 5b, 10) therebetween, characterized in that on each side of said internally concave extent (6b1, 10a) said shaping portion (6, 6a, 6b, 6c) comprises an internally convex portion (6b2, 10b) that is thick relatively to the thickness of said concave extent (6b1, 10a).

2. A brief as in Claim 1 wherein said shaping member (10) is of synthetic resin.

3. A brief as in Claim 1 wherein said shaping member (10) is of soft polyurethane.

4. A brief as in Claim 1 wherein said shaping member (10) is of hard synthetic resin.

5. A brief as in Claim 1 wherein said shaping member (10) is of rigid type foamed polyurethane.

6. A brief as in Claim 1 wherein said shaping member (10) is of cotton.

7. A brief as in Claim 1 wherein said shaping member (10) is of cloth.

8. A brief as in any one of Claims 1 to 7 wherein said outer cloth (3, 3b, 3c) and inner cloth (4, 4b) form a receiving bag for receiving removably said shaping member (10).

9. A brief as in any one of Claims 1 to 7 wherein said outer cloth (3, 3b, 3c), said inner cloth (4, 4b) and said shaping member (10) are integral.

Patentansprüche

1. Slip (1, 1b, 1c) für Männer, der ein Vorderteil (2, 2b, 2c) und ein Formteil (6, 6a, 6b, 6c) an der Stelle des Vorderteils hat, wobei das Formteil in horizontalem Querschnitt eine innen konkaven Freiraum (6b1, 10a) zur Aufnahme des Penis des Trägers hat, wobei der horizontale Querschnitt des Formteils ferner so ist, daß seine Außenfläche eine im wesentlichen ebenmäßig konvexe Fläche ist und das Vorderteil einen äußeren Stoff (3, 3b, 3c) und einen inneren Stoff (4, 4b, 9) mit einem dazwischenliegenden Formelement (5, 5b, 10) umfaßt, dadurch gekennzeichnet,

daß an jeder Seite des innen konkaven Freiraumes (6b1, 10a) das Formteil (6, 6a, 6b, 6c) einen innen konvexen Abschnitt (6b2, 10b) umfaßt, der stark ist in Relation zur Stärke des konkaven Freiraumes (6b1, 10a).

2. Slip nach Anspruch 1, wobei das Formelement (10) aus Kunstharz ist.

3. Slip nach Anspruch 1, wobei das Formelement (10) aus weichem Polyurethan ist.

4. Slip nach Anspruch 1, wobei das Formelement (10) aus hartem Kunstharz ist.

5. Slip nach Anspruch 1, wobei das Formelement (10) aus starrem, geschäumten Polyurethan ist.

6. Slip nach Anspruch 1, wobei das Formelement (10) aus Baumwolle ist.

7. Slip nach Anspruch 1, wobei das Formelement (10) aus Stoff ist.

8. Slip nach einem der Ansprüche 1 bis 7, wobei der Außenstoff (3, 3b, 3c) und der Innenstoff (4, 4b) eine Aufnahmetasche zur Aufnahme des herausnehmbaren Formelements (10) bilden.

9. Slip nach einem der Ansprüche 1 bis 7, wobei der Außenstoff (3, 3b, 3c), der Innenstoff (4, 4b) und das Formelement (10) eine Einheit bilden.

Revendications

1. Slip (1, 1b, 1c) pour hommes, comportant une partie avant (2, 2b, 2c) et une partie de mise en forme (6, 6a, 6b, 6c) à l'endroit de ladite partie avant, ladite partie de mise en forme (6, 6a, 6b, 6c) présentant une section droite horizontale ayant une avancée concave interne (6b1, 10a) pour s'adapter au pénis du porteur, la section droite horizontale de ladite partie de mise en forme étant de plus telle que sa surface externe soit pratiquement une surface convexe lisse, ladite partie avant comprenant un voile extérieur (3, 3b, 3c) et un voile intérieur (4, 4b, 9) avec un élément de mise en forme (5, 5b, 10) inséré entre eux, caractérisé en ce que sur chaque coté de l'avancée concave intérieure (6b1, 10a), ladite partie de mise en forme (6, 6a, 6b, 6c) comporte une partie convexe intérieure (6b2, 10b) qui est épaisse par rapport à l'épaisseur de ladite avancée concave (6b1, 10a).

2. slip selon la revendication 1, dans lequel ledit élément de mise en forme (10) est en résine synthétique.
3. Slip selon la revendication 1, dans lequel ledit élément de mise en forme (10) est en polyuréthane mou. 5
4. Slip selon la revendication 1, dans lequel ledit élément de mise en forme (10) est en résine synthétique dure. 10
5. Slip selon la revendication 1, dans lequel ledit élément de mise en forme (10) est un polyuréthane en mousse de type rigide. 15
6. Slip selon la revendication 1, dans lequel ledit élément de mise en forme (10) est en coton.
7. Slip selon la revendication 1, dans lequel ledit élément de mise en forme (10) est en toile. 20
8. Slip selon l'une quelconque des revendications 1 à 7, dans lequel ledit voile extérieur (3, 3b, 3c) et ledit voile intérieur (4, 4b) constituent un sac de réception pour recevoir de manière amovible ledit élément de mise en forme (10). 25
9. Slip selon l'une quelconque des revendications 1 à 7, dans lequel ledit voile extérieur (3, 3b, 3c) et ledit voile intérieur (4, 4b) sont en une seule pièce. 30

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