TITLE OF THE INVENTION

WIG BASE WITH ELASTICATED REGION HAVING APPROXIMATE H SHAPE

BACKGROUND OF THE INVENTION

FIELD OF THE INVENTION

[0001] The present invention relates to a wig base which forms a wig by planting imitation hairs such as artificial hairs or natural hairs thereto. The wig base according to the present invention is suitable for making a whole head wig put on a user's head in which a part or all of own hairs are lost due to a congenital reason or an acquired disease treatment, and a dimension of the head is changed due to increase or decrease of the volume of hairs on the head during the disease treatment.

DESCRIPTION OF RELATED ART

[0002]

Generally, a ready-made or custom made base for a whole head wig has a hat-like shape with a peripheral portion according to the shape of a user's head so far. Such wig base is generally made of cloth in which a synthetic fiber is woven into a mesh. For making the wig base, a whole head portion is divided into several portions and such several portions are connected together, thereby forming the wig base.

[0003]

As a wig considering wearability, for example in a Patent

Document 1, it is disclosed that a metallic or resinous ear stiffener is inserted into a side protector of a wig base to prevent the side protector from being lifted up in order to correspond to a shape or a size of a user's head.

In the Patent Document 1, in order to prevent the wig base from being lifted up, a rigid member such as a metallic wire rod and a resin member, or a steel member is inserted into a portion of the wig base along a shape around the ear and then hardened by a resin material, thereby preventing the portion along the shape around the ear from being extended or deformed.

[0004]

In a wig described in a Patent Document 2, a plurality of fine wire rods are arranged sideways and formed into a curved shape, thereby forming a bone, and the bone is placed at a position to contact and press a portion corresponding to the hollow at a nape portion in order to prevent the nape portion from being lifted up and improve a fit feeling.

In a wig described in a Patent Document 3, a part of a side portion, a part of a side protector connected to a front side of the side portion or a center portion of a nape portion of a wig base is formed by a flexible net such as a polyurethane net, thereby preventing the lift up or slide up.

[0005]

In a wig described in a Patent Document 4, a wig base is formed in a hat-like shape so as to fit a shape of a user's head,

and an adjuster is provided at a nape portion of the wig base to adjust a length of the adjuster, thereby making the wig base fit a shape of a user's head.

In a Patent Document 5, there is disclosed a wig which can prevent a nape portion or a side portion from being lifted up or sliding up, thereby obtaining a comfortable wearability.

PRIOR ARTS

PATENT DOCUMENT

[0006] Patent document 1: JU S57(1982)-143218A

Patent document 2: JP 2001-81618A

Patent document 3: JP 2007-321298A

Patent document 4: JP 2007-239153A

Patent document 5: JP 2008-63696A

SUMMARY OF INVENTION

PROBLEM TO BE SOLVED

[0007]

As stated above, relating to a wig base, various ideas have been proposed to fit a shape of a user's head, thereby enhancing wearability. A purpose of the present invention is to provide a wig base in which a wearer can obtain a high fit feeling by a new configuration which is not seen in a conventional wig base.

MEANS FOR SOLVING PROBLEM AND EFFECT OF INVENTION

[0008]

A wig base according to the present invention forms a wig by planting imitation hairs thereto, and comprises an "elasticated region having an approximate H shape". The "approximate H shape" means a shape including a "center portion" and "four protruding portions which extend outwardly from the center portion". Since the elasticated region has such formation, it can efficiently absorb any external forces added to the wig base from front-back, right-left and oblique directions, thereby achieving a high fit feeling.

[0009]

As a material which forms the above mentioned elasticated region, it is not limited specific ones as far as it is elastic. It is, however, preferable to use a mesh material.

[0010]

In the present invention, it is preferable that the "center portion" of the above mentioned elasticated region extends with covering a golden point of the head of a wearer.

An amount of expansion and contraction of each portion is in proportion to an area thereof. The amount of expansion and contraction is largest in the "center section" which has a large area, and the amount of expansion and contraction is smaller in the protruding portions. On the contrary, generally, an occipital region of the wearer's head which includes the golden point is largest.

Therefore, a higher fit feeling can be obtained by placing the "center portion" which has largest amount of expansion and contraction at the golden point. In this case, if the "protruding portion" has a shape which tapers off toward the end, the amount of expansion and contraction is gradually decreased toward the end, thereby achieving an excellent fit feeling.

BRIEF DESCRIPTION OF THE DRAWINGS

[0011]

Fig. 1 is a drawing for describing a wig base according to one embodiment of the present invention.

Fig. 2 is a drawing for describing other variation of the shape relating to an elasticated region having an approximate H shape.

DESCRIPTION OF EMBODIMENT

[0012]

Embodiments of the present invention are explained below, with reference to the accompanying drawings. Fig. 1 is a drawing for describing a wig base according to one embodiment of the present invention. Fig.1 (a) is a side view of a wig base 1, and Fig.1 (b) is a perspective view seen obliquely from behind.

[0013] <<Basic Configuration of Wig Base>>

The wig base 1 is configured by each region (part) as described below, and formed by stitching these portions together. While it is not illustrated, a wig product is formed by planting artificial hairs such as artificial hairs or natural hairs to the wig base 1.

(a) An elasticated region 10 having an approximate H shape which extends with covering a golden point (GP) of the head of a wearer. The "approximate H shape" of the present invention will be described below.

(b) A sinciput region 11 stitched to the elasticated region 10, which extends to the sinciput side of the wearer.

(c) An occipital region 12 stitched to the elasticated region 10, which extends to the occipital side of the wearer.

(d) A nape region 13 stitched to the occipital region 12, which covers an area around a wearer's neckline.

(e) A side region 14 stitched to the elasticated region 10, which covers an area around a side region of the wearer's head.

(f) A side protector 15 stitched to the side region 14, which is placed ahead of the ear of the wearer.

The wig base 1 has a side region 14 and a side protector 15 which are similar to the above in an opposite side.

[0014]

The above mentioned configuration of each part is merely one example. In the present invention, as far as the wig base 1 has the elasticated region 10 having the "approximate H shape",

it can take any specific configuration for the other portions. While it is not illustrated, it is possible to provide an adequate adjusting mechanism which adjusts a circumferential length of a circumferential portion of the wig base.

[0015] <<Material for forming Elasticated Region 10>>

As far as the elasticated region 10 has property that can expand and contract (elastic deformation), a material and a construction are not limited specific ones. For example, while it is preferable to utilize a mesh material using a spandex (a polyurethane elastic fiber) in order to provide elasticity, a resin or other materials may also be utilized.

It is also preferable that each part other than the elasticated region 10 has certain elasticity.

[0016] <<Golden Pointy>>

A golden point (GP) is a term usually used in hairdressing field or the like. As shown in Fig.1 (a), the golden point means a point at which a virtual line (L) which connects a tip of the chin (A) and a top of the ear (B) crosses a center surface which divides the head (human body) into right and left portions.

In Fig. 1(b), the point GP indicated in the elasticated region 10 shows a location to correspond to the golden point of the head when the wig is put on the wearer's head.

[0017] <<Meaning of Approximate H Shape>>

In the present invention, the elasticated region 10 has the "approximate H shape" which includes the "center portion" and

the "four protruding portions which extend outwardly from the center portion". The scope of this description will be described with referring to Fig.2.

Fig.2(a) is a view of the wig base of Fig.1 seen from the top. In the right side of the Fig.2(a), only the elasticated region 10 is picked up and illustrated. The elasticated region 10 has the center portion 10a and the protruding portions 10b, 10c, 10d and 10e which extend outwardly from the center portion 10a.

According to such formation, it can efficiently absorb any external forces added to the wig base 1 from front-back, right-left and oblique directions when the wig base is put on the head, thereby achieving a high fit feeling.

[0018]

As the "approximate H shape" which can obtain the same effect, there are various alternatives. While shapes as illustrated in <A>, <B>, <C> and <D> of Fig.2(b) correspond to the "approximate H shape" to be similar to the above, it is not limited thereto.

In the illustrated examples, while the elasticated region 10 has a symmetrical shape in the vertical direction and in the horizontal direction in the drawing, the symmetrical shape is not always necessary as far as the four protruding portions are included.

[0019]

In addition to the shapes as exemplified in the above, if a shape has a center portion which becomes a base and four protruding portions which extend outwardly from the center portion, it corresponds to the "approximate H shape" of the present invention.

[0020] <<Position of Elasticated Region having Approximate H Shape>>

In the present invention, a position and a direction of the elasticated region 10 having the approximate H shape can be arbitrarily determined in the wig base 1. It is, however, preferable that the center portion 10a of the elasticated region 10 extends with covering the golden point (GP) of the wearer's head. The golden point (GP) is a point at which a virtual line (L) which connects a tip of the chin (A) and a top of the ear (B) crosses a center surface which divides the head (human body) into right and left portions, and it is located at a little bit behind the parietal region.

[0021]

Generally, an area of the occipital region in which the golden point exists is largest in the human head, and an area becomes gradually smaller in the sinciput region direction toward the face and in the occipital region direction toward the neck. On the contrary, the amount of expansion and contraction of each portion in the elasticated region 10 is in proportion to an area thereof. Therefore, the amount of

expansion and contraction is largest in the center portion 10a, and the amount of expansion and contraction is smaller in the protruding portions 10b to 10e.

Accordingly, a high fit feeling which corresponds to an actual shape of the head can be achieved by placing the center portion 10a whose area is largest such that it covers the golden point (GP).

[0022]

Specifically, as shown in the illustrated embodiment, in the case that the elasticated region 10 having the "approximate H shape" is placed at the center, and the side regions 14 are place at the both sides of the elasticated region 10, a part which covers the golden point is located at the center and a plurality of circumferential parts are stitched thereto. If the part located at the center (the elasticated region 10) has the "approximate H shape", there is an advantage such that it is easy to determine shapes of the other parts and to manufacture the wig base.

[0023] <<Protruding Portion which tapers off >>

In the shapes shown in <B> and <D of Fig.2(b),the four protruding portions of the elasticated region have a shape which tapers off toward the end with having a pointed tip. A reason why the shape which tapers off to the end is excellent will be described below.

As stated above, generally, the area of the occipital region

is widest in the human head, and the area becomes gradually narrower in the sinciput region direction toward the face and in the occipital region direction toward the neck. The amount of expansion and contraction of each portion in the elasticated region 10 is in proportion to an area thereof.

If the protruding portions 10b to 10e have a shape which tapers off to the ends, the amount of expansion and contraction of the elasticated region 10 is gradually reduced correctly corresponding to the shape of the head which becomes gradually narrower in the sinciput region direction and in the occipital region direction, which results in achieving a high fit feeling.

[0024]

Further, if the protruding portions 10b to 10e have a shape which tapers off to the ends, there is an advantage such that it is easy to stitch the elasticated region 10 and the circumferential other parts together.

[0025] <<Thread used for stitching each part>>

Each of the parts 10 to 15 can be stitched with using any stitching method in this field. The most preferable embodiment is stitching with using an elastic thread. Even in the case that the parts including the elasticated region 10 can expand and contract, if a thread for stitching is not elastic, expansion and contraction will be blocked at the stitching point. If an elastic thread is used, such defects will not occur.

<<DESCRIPTION OF REFERENCE NUMBERS>>

1	Wig base
10	Elasticated region
10a	Center Portion
10 b to 10d	Protruding Portion
11	Sinciput Region
12	Occipital Region
13	Nape Region
14	Side Region
15	Side Protector

WHAT IS CLAIMED IS:

1. A wig base which forms a wig by planting imitation hairs thereto, comprising an elasticated region (10) having an approximate H shape including a center portion (10a) and four protruding portions (10b to 10e) which extend outwardly from said center portion,

wherein: the center portion (10a) of said elasticated region is placed at a position which covers a golden point (GP) of the head on the wig base when the wig base is put on the wearer's head.

2. The wig base according to claim 1, wherein:

said elasticated region (10) is formed by an elastic mesh material.

3. The wig base according to claim 1 or 2, wherein:

the four protruding portions (10b to 10e) of said elasticated region have a shape which tapers off toward the end.

4. The wig base according to any one of claims 1 to 3, wherein:

said elasticated region (10) is stitched to a circumferential part thereof with an elastic thread.

5. A wig, which is formed by planting artificial hairs on the wig base according to any one of claims 1 to 4.

TITLE OF THE INVENTION

WIG BASE WITH ELASTICATED REGION HAVING APPROXIMATE H SHAPE

BACKGROUND OF THE INVENTION

FIELD OF THE INVENTION

[0001] The present invention relates to a wig base which forms a wig by planting imitation hairs such as artificial hairs or natural hairs thereto. The wig base according to the present invention is suitable for making a whole head wig put on a user's head in which a part or all of own hairs are lost due to a congenital reason or an acquired disease treatment, and a dimension of the head is changed due to increase or decrease of the volume of hairs on the head during the disease treatment.

DESCRIPTION OF RELATED ART

[0002]

Generally, a ready-made or custom made base for a whole head wig has a hat-like shape with a peripheral portion according to the shape of a user's head so far. Such wig base is generally made of cloth in which a synthetic fiber is woven into a mesh. For making the wig base, a whole head portion is divided into several portions and such several portions are connected together, thereby forming the wig base.

[0003]

As a wig considering wearability, for example in a Patent

Document 1, it is disclosed that a metallic or resinous ear stiffener is inserted into a side protector of a wig base to prevent the side protector from being lifted up in order to correspond to a shape or a size of a user's head.

In the Patent Document 1, in order to prevent the wig base from being lifted up, a rigid member such as a metallic wire rod and a resin member, or a steel member is inserted into a portion of the wig base along a shape around the ear and then hardened by a resin material, thereby preventing the portion along the shape around the ear from being extended or deformed.

[0004]

In a wig described in a Patent Document 2, a plurality of fine wire rods are arranged sideways and formed into a curved shape, thereby forming a bone, and the bone is placed at a position to contact and press a portion corresponding to the hollow at a nape portion in order to prevent the nape portion from being lifted up and improve a fit feeling.

In a wig described in a Patent Document 3, a part of a side portion, a part of a side protector connected to a front side of the side portion or a center portion of a nape portion of a wig base is formed by a flexible net such as a polyurethane net, thereby preventing the lift up or slide up.

[0005]

In a wig described in a Patent Document 4, a wig base is formed in a hat-like shape so as to fit a shape of a user's head,

and an adjuster is provided at a nape portion of the wig base to adjust a length of the adjuster, thereby making the wig base fit a shape of a user's head.

In a Patent Document 5, there is disclosed a wig which can prevent a nape portion or a side portion from being lifted up or sliding up, thereby obtaining a comfortable wearability.

PRIOR ARTS

PATENT DOCUMENT

[0006] Patent document 1: JU S57(1982)-143218A

Patent document 2: JP 2001-81618A

Patent document 3: JP 2007-321298A

Patent document 4: JP 2007-239153A

Patent document 5: JP 2008-63696A

SUMMARY OF INVENTION

PROBLEM TO BE SOLVED

[0007]

As stated above, relating to a wig base, various ideas have been proposed to fit a shape of a user's head, thereby enhancing wearability. A purpose of the present invention is to provide a wig base in which a wearer can obtain a high fit feeling by a new configuration which is not seen in a conventional wig base.

MEANS FOR SOLVING PROBLEM AND EFFECT OF INVENTION

[0008]

A wig base according to the present invention forms a wig by planting imitation hairs thereto, and comprises an "elasticated region having an approximate H shape". The "approximate H shape" means a shape including a "center portion" and "four protruding portions which extend outwardly from the center portion". Since the elasticated region has such formation, it can efficiently absorb any external forces added to the wig base from front-back, right-left and oblique directions, thereby achieving a high fit feeling.

[0009]

As a material which forms the above mentioned elasticated region, it is not limited specific ones as far as it is elastic. It is, however, preferable to use a mesh material.

[0010]

In the present invention, it is preferable that the "center portion" of the above mentioned elasticated region extends with covering a golden point of the head of a wearer.

An amount of expansion and contraction of each portion is in proportion to an area thereof. The amount of expansion and contraction is largest in the "center section" which has a large area, and the amount of expansion and contraction is smaller in the protruding portions. On the contrary, generally, an occipital region of the wearer's head which includes the golden point is largest.

Therefore, a higher fit feeling can be obtained by placing the "center portion" which has largest amount of expansion and contraction at the golden point. In this case, if the "protruding portion" has a shape which tapers off toward the end, the amount of expansion and contraction is gradually decreased toward the end, thereby achieving an excellent fit feeling.

BRIEF DESCRIPTION OF THE DRAWINGS

[0011]

Fig. 1 is a drawing for describing a wig base according to one embodiment of the present invention.

Fig. 2 is a drawing for describing other variation of the shape relating to an elasticated region having an approximate H shape.

DESCRIPTION OF EMBODIMENT

[0012]

Embodiments of the present invention are explained below, with reference to the accompanying drawings. Fig. 1 is a drawing for describing a wig base according to one embodiment of the present invention. Fig.1 (a) is a side view of a wig base 1, and Fig.1 (b) is a perspective view seen obliquely from behind.

[0013] <<Basic Configuration of Wig Base>>

The wig base 1 is configured by each region (part) as described below, and formed by stitching these portions together. While it is not illustrated, a wig product is formed by planting artificial hairs such as artificial hairs or natural hairs to the wig base 1.

(a) An elasticated region 10 having an approximate H shape which extends with covering a golden point (GP) of the head of a wearer. The "approximate H shape" of the present invention will be described below.

(b) A sinciput region 11 stitched to the elasticated region 10, which extends to the sinciput side of the wearer.

(c) An occipital region 12 stitched to the elasticated region 10, which extends to the occipital side of the wearer.

(d) A nape region 13 stitched to the occipital region 12, which covers an area around a wearer's neckline.

(e) A side region 14 stitched to the elasticated region 10, which covers an area around a side region of the wearer's head.

(f) A side protector 15 stitched to the side region 14, which is placed ahead of the ear of the wearer.

The wig base 1 has a side region 14 and a side protector 15 which are similar to the above in an opposite side.

[0014]

The above mentioned configuration of each part is merely one example. In the present invention, as far as the wig base 1 has the elasticated region 10 having the "approximate H shape",

it can take any specific configuration for the other portions. While it is not illustrated, it is possible to provide an adequate adjusting mechanism which adjusts a circumferential length of a circumferential portion of the wig base.

[0015] <<Material for forming Elasticated Region 10>>

As far as the elasticated region 10 has property that can expand and contract (elastic deformation), a material and a construction are not limited specific ones. For example, while it is preferable to utilize a mesh material using a spandex (a polyurethane elastic fiber) in order to provide elasticity, a resin or other materials may also be utilized.

It is also preferable that each part other than the elasticated region 10 has certain elasticity.

[0016] <<Golden Pointy>>

A golden point (GP) is a term usually used in hairdressing field or the like. As shown in Fig.1 (a), the golden point means a point at which a virtual line (L) which connects a tip of the chin (A) and a top of the ear (B) crosses a center surface which divides the head (human body) into right and left portions.

In Fig. 1(b), the point GP indicated in the elasticated region 10 shows a location to correspond to the golden point of the head when the wig is put on the wearer's head.

[0017] <<Meaning of Approximate H Shape>>

In the present invention, the elasticated region 10 has the "approximate H shape" which includes the "center portion" and

the "four protruding portions which extend outwardly from the center portion". The scope of this description will be described with referring to Fig.2.

Fig.2(a) is a view of the wig base of Fig.1 seen from the top. In the right side of the Fig.2(a), only the elasticated region 10 is picked up and illustrated. The elasticated region 10 has the center portion 10a and the protruding portions 10b, 10c, 10d and 10e which extend outwardly from the center portion 10a.

According to such formation, it can efficiently absorb any external forces added to the wig base 1 from front-back, right-left and oblique directions when the wig base is put on the head, thereby achieving a high fit feeling.

[0018]

As the "approximate H shape" which can obtain the same effect, there are various alternatives. While shapes as illustrated in <A>, <B>, <C> and <D> of Fig.2(b) correspond to the "approximate H shape" to be similar to the above, it is not limited thereto.

In the illustrated examples, while the elasticated region 10 has a symmetrical shape in the vertical direction and in the horizontal direction in the drawing, the symmetrical shape is not always necessary as far as the four protruding portions are included.

[0019]

In addition to the shapes as exemplified in the above, if a shape has a center portion which becomes a base and four protruding portions which extend outwardly from the center portion, it corresponds to the "approximate H shape" of the present invention.

[0020] <<Position of Elasticated Region having Approximate H Shape>>

In the present invention, a position and a direction of the elasticated region 10 having the approximate H shape can be arbitrarily determined in the wig base 1. It is, however, preferable that the center portion 10a of the elasticated region 10 extends with covering the golden point (GP) of the wearer's head. The golden point (GP) is a point at which a virtual line (L) which connects a tip of the chin (A) and a top of the ear (B) crosses a center surface which divides the head (human body) into right and left portions, and it is located at a little bit behind the parietal region.

[0021]

Generally, an area of the occipital region in which the golden point exists is largest in the human head, and an area becomes gradually smaller in the sinciput region direction toward the face and in the occipital region direction toward the neck. On the contrary, the amount of expansion and contraction of each portion in the elasticated region 10 is in proportion to an area thereof. Therefore, the amount of

expansion and contraction is largest in the center portion 10a, and the amount of expansion and contraction is smaller in the protruding portions 10b to 10e.

Accordingly, a high fit feeling which corresponds to an actual shape of the head can be achieved by placing the center portion 10a whose area is largest such that it covers the golden point (GP).

[0022]

Specifically, as shown in the illustrated embodiment, in the case that the elasticated region 10 having the "approximate H shape" is placed at the center, and the side regions 14 are place at the both sides of the elasticated region 10, a part which covers the golden point is located at the center and a plurality of circumferential parts are stitched thereto. If the part located at the center (the elasticated region 10) has the "approximate H shape", there is an advantage such that it is easy to determine shapes of the other parts and to manufacture the wig base.

[0023] <<Protruding Portion which tapers off >>

In the shapes shown in <B> and <D of Fig.2(b),the four protruding portions of the elasticated region have a shape which tapers off toward the end with having a pointed tip. A reason why the shape which tapers off to the end is excellent will be described below.

As stated above, generally, the area of the occipital region

is widest in the human head, and the area becomes gradually narrower in the sinciput region direction toward the face and in the occipital region direction toward the neck. The amount of expansion and contraction of each portion in the elasticated region 10 is in proportion to an area thereof.

If the protruding portions 10b to 10e have a shape which tapers off to the ends, the amount of expansion and contraction of the elasticated region 10 is gradually reduced correctly corresponding to the shape of the head which becomes gradually narrower in the sinciput region direction and in the occipital region direction, which results in achieving a high fit feeling.

[0024]

Further, if the protruding portions 10b to 10e have a shape which tapers off to the ends, there is an advantage such that it is easy to stitch the elasticated region 10 and the circumferential other parts together.

[0025] <<Thread used for stitching each part>>

Each of the parts 10 to 15 can be stitched with using any stitching method in this field. The most preferable embodiment is stitching with using an elastic thread. Even in the case that the parts including the elasticated region 10 can expand and contract, if a thread for stitching is not elastic, expansion and contraction will be blocked at the stitching point. If an elastic thread is used, such defects will not occur.

<<DESCRIPTION OF REFERENCE NUMBERS>>

1	Wig base
10	Elasticated region
10a	Center Portion
10 b to 10d	Protruding Portion
11	Sinciput Region
12	Occipital Region
13	Nape Region
14	Side Region
15	Side Protector

WHAT IS CLAIMED IS:

1. A wig base which forms a wig by planting imitation hairs thereto, comprising an elasticated region (10) having an approximate H shape including a center portion (10a) and four protruding portions (10b to 10e) which extend outwardly from said center portion,

wherein: the center portion (10a) of said elasticated region is placed at a position which covers a golden point (GP) of the head on the wig base when the wig base is put on the wearer's head.

2. The wig base according to claim 1, wherein:

said elasticated region (10) is formed by an elastic mesh material.

3. The wig base according to claim 1 or 2, wherein:

the four protruding portions (10b to 10e) of said elasticated region have a shape which tapers off toward the end.

4. The wig base according to any one of claims 1 to 3, wherein:

said elasticated region (10) is stitched to a circumferential part thereof with an elastic thread.

5. A wig, which is formed by planting artificial hairs on the wig base according to any one of claims 1 to 4.