



(12) **EUROPEAN PATENT APPLICATION**
published in accordance with Art. 153(4) EPC

(43) Date of publication:
14.10.2009 Bulletin 2009/42

(51) Int Cl.:
A41D 15/00 (2006.01) A41D 1/00 (2006.01)

(21) Application number: **08700635.9**

(86) International application number:
PCT/CN2008/000080

(22) Date of filing: **11.01.2008**

(87) International publication number:
WO 2008/083617 (17.07.2008 Gazette 2008/29)

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT
RO SE SI SK TR**

(72) Inventor: **Shih, Lucy Hei Yu**
Hong Kong (CN)

(30) Priority: **11.01.2007 HK 07100411**
03.08.2007 HK 07108481
03.08.2007 CN 200710142895

(74) Representative: **Powell, Timothy John**
Potter Clarkson LLP
Park View House
58 The Ropewalk
Nottingham
NG1 5DD (GB)

(71) Applicant: **Shih, Lucy Hei Yu**
Hong Kong (CN)

(54) **MULTIFUNCTIONAL GARMENT OR TRAPPINGS AND ITS MANUFACTURING METHOD**

(57) The multifunctional garment or trappings and the method of the present invention includes at least one article, wherein the article has one or more of detachable connecting components, the detachable connecting components not only connect the different parts of the article, but also connect two or more articles, so that the multifunctional garment or trappings is adapted to be re-

arranged to change the style or the connection. The article further has one or more of openings and adjustable members, wherein one or more of opening and closing connection means are provided at the openings of the article, so that the multifunctional garment or trappings has a variety formations of styles or functions through several manners such as mutual fastening, detaching, flexing, or opening or closing the openings at the article.

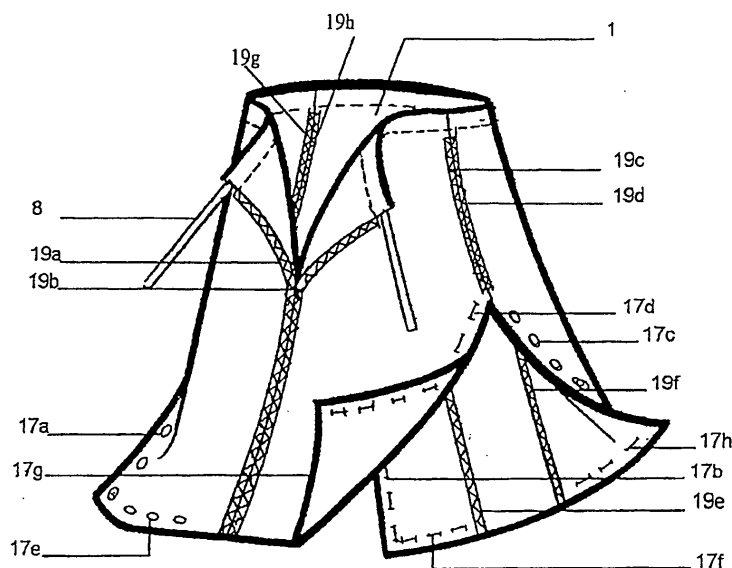


Fig. 1

Description

Background of the Present Invention

Field of Invention

[0001] The present invention relates to a garment, and more particularly to a multifunctional garment or trappings and the method of manufacturing thereof, wherein the garment has variety of formations of styles or functions.

Description of Related Arts

[0002] Currently on the market has the common transformation clothing including the following types:

1. A trousers having a partially detachable trouser legs and a long-sleeves top having a partially detachable sleeves, wherein the trousers becomes a shorts by detaching the detachable portion of the trouser legs, wherein the long-sleeves top becomes a short-sleeves top by detaching the detachable portion of the long-sleeves top.
2. A top having a detachable sleeves, wherein the top becomes a sleeveless top by detaching the detachable sleeves.
3. A top or a jacket having a collar for receiving a cap coupling with the top or jacket, wherein the cap is detachably coupling with the collar so that the cap is able to be detached from the collar or stored in the collar.
4. A double layers clothing such as a double layers windbreaker which has a detachable inner layer detachably coupling with a outer layer of the windbreaker, so that the inner layer and outer layer can be separated into two jackets with two different styles or combined together to provide a warmer windbreaker.
5. Clothing which can be folded into a bag or a backpack.
6. Clothing having a configuration capable of being transformed into relatively smaller clothing, for instance, a large shopping bag capable of being folded to small bag.
7. Some clothing having an inexplicit styles, for example, a top having a large collar which can be pulled down to waist, so that the blouse can be wear as a skirt by pulling down the collar to waist.
8. A rectangular shawl which is able to put on as a coat by buttoning up its two ends or it is able to be

wrapped at the waist as a skirt.

[0003] The clothing of the above types 1, 2, and 3 have the drawbacks as followings: while the trouser legs or the sleeves are partially detached, the main parts thereof remain unchanged and still the same type as the original clothing, i.e. the trousers and shorts both are pants, and long-sleeves and short-sleeves tops are both a kind of top. The only different is the length of the trousers and the sleeves. On the other hand, the detachable portions are useless after detached from the main clothing.

[0004] The clothing of the above type 4 does not have any alterations to either the inner layer or outer layer, and the overlapping of inner and outer layer thereof actually are producing a single clothing with double articles and working process.

[0005] The clothing of the above types 5 and 6 are folded into the bag or backpack reduced the actual space of the bag or backpack so as to reduce the capacity of the bag or backpack, also the folded portion of the clothing usually needs more than 50 percent extra article of the clothing, it is a waste of the article. Besides, the type of clothing only designed for a top, a pair of pants, or a skirt to be folded into a bag in a singular way.

[0006] The clothing of the above type 7 has an inexplicit clothing design, and it is hard to determine the style and the function of the clothing with respect to its appearance before putting it on the human body.

[0007] The clothing of the above type 8 has limited styles and transformations.

[0008] Besides, the current clothing itself does not have many different changes before combining with other products. Even if there are some changes, it's usually no more than three changes.

Summary of the Present Invention

[0009] A main object of the present invention is to provide a multifunctional garment or trappings which can be put on in different ways, wherein the multifunctional garment or trappings can change its styles and functions by rearranging the clothing itself, so that the clothing has a plurality of styles and functions.

[0010] Another object of the present invention is to provide a manufacturing method of multifunctional garment or trappings.

[0011] Accordingly, in order to accomplish the above objects, the multifunctional garment or trappings of the present invention comprises at least one article, wherein one or more detachable connecting components are provided at the article, so that the article can be rearranged by the detachable connecting component connecting the different parts of the article or connecting between two articles, such that the detachable connecting components can change the formation of the article or the connection between two or more articles.

[0012] An adjustable member is provided at the article for adjusting the dimensions of the article where the ad-

justable member is located, wherein the adjustable member can be a string, a rubber band, or other components having the expand, contract, or adjustable property. On the other hand, the multifunctional garment or trappings can be made by an adjustable member or adopts the adjustable producing method, wherein the article itself has the expanded and contracted quality to flexibly adjust the dimension of the article, so that the article needs no extra adjustable member to adjust the size of the article in this situation.

[0013] An opening is further provided at the article so that the article could be opened and closed by the opening and closing connection means, wherein the opening and closing connection means can be a button, a zipper, a Velcro or other connecting means. Alternatively, a producing method can replace the opening for retaining the article in an open or a close position.

[0014] Wherein, the detachable connecting components can be any components which are able to detachably connect the different parts of the article or more than two pieces of the articles, or the connecting components can be a detachable producing method for connecting the different parts of the article or more than two pieces of the articles, in such manner of repeatedly detaching and connecting, the multifunctional garment or trappings can realize not only the detachment or connection between different parts of the same article but also the detachment or connection between different pieces of the article. In particular, the detachable connecting components could be a button, a zipper, a Velcro or any other means having similar connection capability. Besides, the detachable connecting components can be directly formed by producing method such that it can be detached or connected as desired. Therefore, the detachable connecting components are able to be repeatedly fastened and detached the pieces of articles and change the configuration of the pieces of articles, so as to change the formations of the multifunctional garment or trappings which are formed by at least one piece of article.

[0015] Wherein, the opening of the garment or trappings of the present invention is usually provided at a multifunctional opens. For instance, the opening is provided at the waist open, trouser legs, collar/neckline, sleeves/armholes or the peripheral of the sleeves. Besides, the openings are also provided at the opens which are formed by any producing methods. In the other words, the openings can be formed by the producing methods such as sewing, binding, weaving, or other manufacturing method. The openings have different functions as the changing of the multifunctional garment or trappings, for instance, an opening can be a collar or neckline of a first style and a cuff of a sleeve of a second style of the multifunctional garment, or an opening of a pair of pants can also be a sleeve/armhole opening when the pants transformed to a top.

[0016] The garment of the present invention includes upper clothing such as tops, vests, dress, jackets and lower clothing such as trousers, and skirt. For the trapping

includes hat, bags, scarves, shawls, gloves, socks, headbands, belts, turbans, watches, spectacles bracelets and any others clothing accessories etc.

[0017] The manufacturing method of producing the multifunctional garment or trappings comprises at least one piece of article, wherein one or more detachable connecting components, one or more adjustable members, and/or one or more -opening and closing connection means are provided at the multifunctional garment or trappings.

[0018] Through the mutual fastening, detaching, elasticity, or opening manners, the multifunctional garment or trappings can be changed into many different styles and have many different connecting ways between the articles.

[0019] As the multifunctional garment or trappings of the present invention provides the detachable connection, adjustable structure, and the opening manners, one article of multifunctional garment or trappings can connect the different parts of the article, or connect the plurality of articles through the mutual fastening, detaching, elasticity, or opening manners so as to form lots of different styles and functions of the clothing. The multifunctional garment not only can have a wide range of styles and functions through one of the mutual fastening, detaching, adjustable or opening manners, but also can through two or more than two of the above manners to have plurality of styles and functions. Thus, the user can follow a designer's instructions as a reference to rearrange the multifunctional garment or trappings through mutual fastening, detaching, adjustable or opening manners to form different styles and functions, and also, the user can create more different styles of the multifunctional garment according to their personal preference.

[0020] Thus it can be seen that the manufacturing method of the multifunctional garment or trappings of the present invention creates many styles of the clothing. Compare to the present skills of the prior arts, the multifunctional garment or trapping of the present invention has the following advantages:

First, according to the present invention, the multifunctional garment or trapping is able to be changed to either upper clothing such as tops, or lower clothing such as pants or clothing accessories. The detached parts of the multifunctional garment or trapping can be also formed as another styles or functions of the clothing.

Second, according to the present invention, the multifunctional garment or trapping can made by only one piece of article and the manufacturing method to accomplish the multipurpose uses of the multifunctional garment or trapping, so that the multifunctional garment can maximum the use of resources.

[0021] Then, according to the present invention, the multifunctional garment or trapping is able to change in

a variety of functions. For instance, one of the multifunctional garments or trappings can be transformed into a pair of pants, a bag, skirt, or a top, so that the product of the multifunctional garment or trapping includes all the functions of those clothing.

[0022] Furthermore, the multifunctional garment or trapping of the present invention could be avoided wasting article while folding the clothing to another formation, wherein the folded portion while folding to another style or function of the clothing is less than 25% of the entire article of the multifunctional garment or trapping, so that we can use the same one article of the clothing to form many different functions and uses to maximize the use of resources, such that it can avoid the unnecessary extra article for folding the clothing. In the other hands, the detached parts of the multifunctional garment or trapping have another different styles or functions through changing its formations. Also, in some circumstances the detached parts of the multifunctional garment or trapping itself are the other clothing without through any changes. Moreover, any changes of the multifunctional garment or trapping of the present invention can be clearly distinguished its styles and functions in a two-dimensional respect such as hanging or plat the clothing or three dimensional respects such as warn on a human's body. Thus, each of the variable changes of the multifunctional garment or trapping has clear styles and functions.

[0023] These and other objectives, features, and advantages of the present invention will become apparent from the following detailed description, the accompanying drawings, and the appended claims.

Brief Description of the Drawings

[0024]

Fig. 1 is the perspective view of a multifunctional garment or trapping according to a first preferred embodiment of the present invention.

Fig. 1a is the sectional view of the multifunctional garment or trapping according to Fig. 1 of the first preferred embodiment of the present invention, partially illustrating an enlarged view of the position of the adjustable member thereof.

Fig. 1b is the sectional view of the multifunctional garment or trapping according to Fig. 1 of the first preferred embodiment of the present invention, illustrating an enlarged view of the position of the opening thereof.

Fig. 1c is the sectional view of the first formation of the multifunctional garment or trapping according to Fig. 1 of the first preferred embodiment of the present invention, illustrating the transitional change of the first formation of the multifunctional garment or trapping.

Fig. 1d is the perspective view of the first formation of the multifunctional garment or trapping according to Fig. 1 of the first preferred embodiment of the present invention.

Fig. 1e is the sectional view of the first formation of the multifunctional garment or trapping according to the first preferred embodiment of the present invention, illustrating the side opening of fig. 1 d.

Fig. 1f is the perspective view of a second formation of the multifunctional garment or trapping according to Fig. 1 of the first preferred embodiment of the present invention.

Fig. 1g is the sectional view of a third formation of the multifunctional garment or trapping according to Fig. 1 of the first preferred embodiment of the present invention, illustrating the transitional change of the third formation of the multifunctional garment.

Fig. 1h is the perspective view of the third formation of the multifunctional garment or trapping according to Fig. 1 of the first preferred embodiment of the present invention.

Fig. 1i is the sectional view of a fourth formation of the multifunctional garment or trapping according to Fig. 1 of the first preferred embodiment of the present invention, illustrating the transitional change of the third formation of the multifunctional garment.

Fig. 1j is the perspective view of the fourth formation of the multifunctional garment or trapping according to Fig. 1 of the first preferred embodiment of the present invention.

Fig. 1k and Fig. 1l are the sectional views of a fifth formation of the multifunctional garment or trapping according to Fig. 1 of the first preferred embodiment of the present invention.

Fig. 1m is the perspective view of the fifth formation of the multifunctional garment or trapping according to Fig. 1 of the first preferred embodiment of the present invention.

Fig. 1n is the sectional view of a sixth formation of the multifunctional garment or trapping according to Fig. 1 of the first preferred embodiment of the present invention.

Fig. 1o is the perspective view of the sixth formation of the multifunctional garment or trapping according to Fig. 1 of the first preferred embodiment of the present invention.

Fig. 2 is the perspective view of a multifunctional

garment or trapping according to a second preferred embodiment of the present invention.

Fig. 2-1 is the other perspective view from another angle of the multifunctional garment or trapping according to Fig. 2 of the second preferred embodiment of the present invention.

Fig. 2-2 is the sectional view of the multifunctional garment or trapping according to Fig. 2 of the second preferred embodiment of the present invention.

Fig. 2-3 is the partially enlarged view of the multifunctional garment or trapping according to Fig. 2-2 of the second preferred embodiment of the present invention.

Fig. 2a is the perspective view of a first formation of the multifunctional garment or trapping according to Fig. 2 of the second preferred embodiment of the present invention.

Fig. 2a-1 is the sectional view of the first formation of the multifunctional garment or trapping according to Fig. 2a of the second preferred embodiment of the present invention.

Fig. 2b is the perspective view of a second formation of the multifunctional garment or trapping according to Fig. 2 of the second preferred embodiment of the present invention.

Fig. 2c is the perspective view of a third formation of the multifunctional garment according to Fig. 2 of the second preferred embodiment of the present invention.

Fig. 2d is the perspective view of a fourth formation of the multifunctional garment or trapping according to Fig. 2 of the second preferred embodiment of the present invention.

Fig. 2e is the perspective view of a fifth formation of the multifunctional garment or trapping according to Fig. 2 of the second preferred embodiment of the present invention.

Fig. 2e-1 is the sectional view of the fifth formation of the multifunctional garment or trapping according to Fig. 2e of the second preferred embodiment of the present invention.

Fig. 2f is the perspective view of a sixth formation of the multifunctional garment or trapping according to Fig. 2 of the second preferred embodiment of the present invention.

Fig. 2f-1 is the transformation process of the sixth

formation of the multifunctional garment or trapping according to Fig. 2f of the second preferred embodiment of the present invention.

Fig. 2g is the perspective view of a seventh formation of the multifunctional garment or trapping according to Fig. 2 of the second preferred embodiment of the present invention.

Fig. 2g-1 is the transformation process of the seventh formation of the multifunctional garment or trapping according to Fig. 2g of the second preferred embodiment of the present invention.

Fig. 2h is the perspective view of an eighth formation of the multifunctional garment or trapping according to Fig. 2 of the second preferred embodiment of the present invention.

Fig. 2h-1 is the transformation process of the eighth formation of the multifunctional garment or trapping according to Fig. 2h of the second preferred embodiment of the present invention.

Fig. 2i is the perspective view of a ninth formation of the multifunctional garment or trapping according to Fig. 2 of the second preferred embodiment of the present invention.

Fig. 2i-1 and Fig. 2i-2 is the transformation process of the ninth formation of the multifunctional garment or trapping according to Fig. 2 of the second preferred embodiment of the present invention.

Fig. 2j is the perspective view of a tenth formation of the multifunctional garment or trapping according to Fig. 2 of the second preferred embodiment of the present invention.

Fig. 2k is the perspective view of an eleventh formation of the multifunctional garment or trapping according to Fig. 2 of the second preferred embodiment of the present invention.

Fig. 2k-1 is the schematic view of the eleventh formation of the multifunctional garment or trapping according to Fig. 2k of the second preferred embodiment of the present invention.

Fig. 2l is the perspective view of a twelfth formation of the multifunctional garment or trapping according to Fig. 2 of the second preferred embodiment of the present invention.

Fig. 2l-1 is the schematic view of the twelfth formation of the multifunctional garment or trapping according to Fig. 2l of the second preferred embodiment of the present invention.

Fig. 2m is the perspective view of a thirteenth formation of the multifunctional garment or trapping according to Fig. 2 of the second preferred embodiment of the present invention.

Fig. 2m-1 is the schematic view of the thirteenth formation of the multifunctional garment or trapping according to Fig. 2m of the second preferred embodiment of the present invention.

Fig. 2n is the perspective view of a fourteenth formation of the multifunctional garment or trapping according to Fig. 2n of the second preferred embodiment of the present invention.

Fig. 3 is the perspective view of a multifunctional garment or trapping according to a third preferred embodiment of the present invention.

Fig. 3a is the perspective view of a first formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention.

Fig. 3a-1 is the schematic view of the first formation of the multifunctional garment or trapping according to Fig. 3a of the third preferred embodiment of the present invention.

Fig. 3a-2 is the partially enlarged view of the first formation of the multifunctional garment or trapping according to Fig. 3a of the third preferred embodiment of the present invention.

Fig. 3b is the perspective view of a second formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention.

Fig. 3c is the perspective view of a third formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention.

Fig. 3d is the perspective view of a fourth formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention.

Fig. 3e is the perspective view of a fifth formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention.

Fig. 3e-1 is the schematic view of the fifth formation of the multifunctional garment or trapping according to Fig. 3e of the third preferred embodiment of the present invention.

Fig. 3f is the perspective view of a sixth formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention.

Fig. 3f-1 is the schematic view of the sixth formation of the multifunctional garment or trapping according to Fig. 3f of the third preferred embodiment of the present invention.

Fig. 3g is the perspective view of a seventh formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention.

Fig. 3h is the perspective view of an eighth formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention.

Fig. 3i is the perspective view of a ninth formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention.

Fig. 3i-1 is the schematic view of the ninth formation of the multifunctional garment or trapping according to Fig. 3i of the third preferred embodiment of the present invention.

Fig. 3j is the perspective view of a tenth formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention.

Fig. 3j-1 is the schematic view of the tenth formation of the multifunctional garment or trapping according to Fig. 3j of the third preferred embodiment of the present invention.

Fig. 3k is the perspective view of an eleventh formation of the multifunctional garment according to Fig. 3 of the third preferred embodiment of the present invention.

Fig. 3l is the perspective view of a twelfth formation of the multifunctional garment according to Fig. 3 of the third preferred embodiment of the present invention.

Fig. 3m is the perspective view of a thirteenth formation of the multifunctional garment according to Fig. 3 of the third preferred embodiment of the present invention.

Fig. 3n is the perspective view of a fourteenth formation of the multifunctional garment according to Fig. 3 of the third preferred embodiment of the present invention.

present invention.

Fig. 3n-1 is the schematic view of the fourteenth formation of the multifunctional garment according to Fig. 3n of the third preferred embodiment of the present invention. 5

Fig. 3o is the perspective view of a fifteenth formation of the multifunctional garment according to Fig. 3 of the third preferred embodiment of the present invention. 10

Fig. 3o-1 is the schematic view of the fifteenth formation of the multifunctional garment according to Fig. 3o of the third preferred embodiment of the present invention. 15

Fig. 3p is the perspective view of a sixteenth formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention. 20

Fig. 3p-1 is the schematic view of the sixteenth formation of the multifunctional garment or trapping according to Fig. 3p of the third preferred embodiment of the present invention. 25

Fig. 3q is the perspective view of a seventeenth formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention. 30

Fig. 3r is the perspective view of an eighteenth formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention. 35

Fig. 3s is the perspective view of a nineteenth formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention. 40

Fig. 3s-1 is the transformation process of the nineteenth formation of the multifunctional garment or trapping according to Fig. 3s of the third preferred embodiment of the present invention. 45

Fig. 3t is the perspective view of a twentieth formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention. 50

Fig. 3t-1 is the transformation process of the twentieth formation of the multifunctional garment or trapping according to Fig. 3t of the third preferred embodiment of the present invention. 55

Fig. 3u is the perspective view of a twenty first for-

mation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention.

Fig. 3u-1 is the transformation process of the twenty first formation of the multifunctional garment or trapping according to Fig. 3u of the third preferred embodiment of the present invention.

Fig. 3v is the perspective view of a twenty second formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention.

Fig. 3w is the perspective view of a twenty third formation of the multifunctional garment or trapping according to Fig. 3 of the third preferred embodiment of the present invention.

Fig. 4 is the perspective view of a multifunctional garment or trapping according to a fourth preferred embodiment of the present invention.

Fig. 4a is the perspective view of a first formation of the multifunctional garment or trapping according to the fourth preferred embodiment of the present invention.

Fig. 4b is the perspective view of a article 3 and a article 4 of the multifunctional garment or trapping according to Fig. 4 of the fourth preferred embodiment of the present invention.

Fig. 4c is the schematic view of a second formation of the multifunctional garment or trapping according to Fig. 4 of the fourth preferred embodiment of the present invention.

Fig. 4d is the perspective view of the second formation of the multifunctional garment or trapping according to Fig. 4 of the fourth preferred embodiment of the present invention.

Fig. 5 is the sectional view of a multifunctional garment or trapping according to a fifth preferred embodiment of the present invention.

Fig. 5a is the perspective view of a article 1 of the multifunctional garment or trapping according to the fifth preferred embodiment of the present invention.

Fig. 5b is the perspective view of a article 2 of the multifunctional garment or trapping according to the fifth preferred embodiment of the present invention.

Fig. 5c is the perspective view of a article 3 of the multifunctional garment or trapping according to the fifth preferred embodiment of the present invention.

Fig. 5d is the perspective view of a first formation of the multifunctional garment or trapping according to the fifth preferred embodiment of the present invention.

Fig. 5e and Fig. 5f are the transformation process of a second formation of the multifunctional garment or trapping according to Fig. 5 of the fifth preferred embodiment of the present invention.

Fig. 5g is the perspective view of the second formation of the multifunctional garment or trapping according to Fig. 5 of the fifth preferred embodiment of the present invention.

Fig. 5h is the schematic view of a third formation of the multifunctional garment or trapping according to Fig. 5 of the fifth preferred embodiment of the present invention.

Fig. 5i is the perspective view of the third formation of the multifunctional garment or trapping according to Fig. 5 of the fifth preferred embodiment of the present invention.

Fig. 5j is the perspective view of a fourth formation of the multifunctional garment or trapping according to Fig. 5 of the fifth preferred embodiment of the present invention.

Fig. 5k is the transformation process of a fifth formation of the multifunctional garment trapping according to Fig. 5 of the fifth preferred embodiment of the present invention.

Fig. 5l is the perspective view of the fifth formation of the multifunctional garment trapping according to Fig. 5 of the fifth preferred embodiment of the present invention.

Fig. 5m and 5n are the transformation process of a sixth formation of the multifunctional garment or trapping according to Fig. 5 of the fifth preferred embodiment of the present invention.

Fig. 5o is the perspective view of the sixth formation of the multifunctional garment or trapping according to Fig. 5 of the fifth preferred embodiment of the present invention.

Fig 5p is the plane view of the article 3 of Fig. 5 of the multifunctional garment or trapping according to the fifth preferred embodiment of the present invention.

Fig. 5q is the perspective view of a seventh formation of the multifunctional garment or trapping according to Fig. 5 of the fifth preferred embodiment of the

present invention.

Fig. 5r is the transformation process of an eighth formation of the multifunctional garment or trapping according to Fig. 5 of the fifth preferred embodiment of the present invention.

Fig. 5s is the perspective view of the eighth formation of the multifunctional garment or trapping according to Fig. 5 of the fifth preferred embodiment of the present invention.

Fig. 5t is the perspective view of a ninth formation of the multifunctional garment or trapping according to Fig. 5 of the fifth preferred embodiment of the present invention.

Detailed Description of the Preferred Embodiment

20 **[0025]** Referring to Fig. 1 of the drawings, a multifunctional garment or trappings according to a first preferred embodiment of the present invention is illustrated, wherein the multifunctional garment or trapping comprises an article 1 having one or more detachable connecting components, wherein each of the detachable connecting components, wherein each of the detachable connecting component comprises a zipper 19a and a zipper 19b, wherein the detachable connecting component is provided vertically along the vertical direction of the article 1 to divide the article 1 into two parts. The article 1 further comprises an adjustable member provided at the upper peripheral edge of the article 1, wherein the rubber band 8 forms as the adjustable member in the first preferred embodiment and penetrated through the upper peripheral edge of the article 1, as shown in the partially enlarged drawing of Fig. 1a. The two side parts of the article 1 of clothing have two openings symmetrically provided at the lower portion of the two side parts, and a plurality of connecting means 17a, 17b, 17c, 17d, which are preferably embodied as buttons. Moreover, the article 1 of clothing vertically provides two opening gaps provided with the detachable connecting means 19e and 19f for adjusting the width of the article 1, such that the width of the article 1 is reduced by closing the detachable connecting means 19e and 19f, so as to overlap the material between the detachable connecting means 19e, 19f. Another two openings are symmetrically provided at the upper portion of the two side parts of the article 1 of clothing, wherein a zipper 19c, a zipper 19d and a zipper 19g, a zipper 19h of connecting means are provided at the edge of the openings respectively. One of the zippers 19c, 19d and zippers 19g, 19h is illustrated to zoom in as shown in Fig 1b. A plurality of the connecting means 17e, 17f, 17g, 17h are further provided at the lower peripheral edge of the article 1.

55 **[0026]** Accordingly, the first preferred embodiment of the present invention has a plurality of formations. The followings list some formations and instructions of the multifunctional garment of the first preferred embodiment

of the present invention:

[0027] A first formation of the first preferred embodiment of the present invention is described below: zip up the zippers 19a, 19b of the piece of article 1, and buckle up parts of the connecting means 17a, 17b of the lower opening of the side parts of the article 1 and the connecting means 17c, 17d of the lower opening of the other side parts. The zippers 19c, 19d and zippers 19g, 19h of the upper openings of the article 1 are zipped up. Moreover, through adjusting the rubber band 8 of the top peripheral edge of the article 1 to a size fitting a waist of human, the article 1 of the multifunctional garment becomes a skirt as shown in Fig. 1d, wherein the opening and connecting means of one side of the two side parts is partially illustrated as shown in Fig. 1e. The transition of the formation of Fig. 1d is illustrated in Fig. 1c.

[0028] A second formation of the first preferred embodiment of the present invention is described below: based on the skirt of Fig 1d, the zippers 19c, 19d and zippers 19g, 19h of the upper openings of the article 1 are unzipped to open the upper openings so as to form two armholes openings, then adjust the rubber band 8 that is suitable for the size of the neckline. The zippers 19a and 19b can be the centre front zipper for unzipping the zippers 19a and 19b to evert the neckline. According to the above steps, a vest is formed as shown in Fig. 1f.

[0029] A third formation of the first preferred embodiment of the present invention is described below: based on the skirt of Fig. 1d, a top is formed by flipping over the skirt, wherein in the bottom peripheral edge of the article 1 is on the bottom of the top, and adjust the rubber band 8 to a waist size of the top. The connecting means 17e, 17f and the connecting means 17g, 17h are buckled to form a neckline. Some of the connecting means at lower portion of the side part of the skirt are buckled up to form two sleeve openings of the top. According to the above steps, the top is formed as shown in Fig 1h, wherein the decomposition diagram of the formation of the top is shown as Fig. 1g.

[0030] A fourth formation of the first preferred embodiment of the present invention is described below: based on the skirt of Fig. 1d, a pair of trousers is formed by buckling the connecting means 17a and the connecting means 17d, and buckling the connecting means 17b and the connecting means 17c of other side parts of the skirt, so as to form two trouser legs. The waist size of the trouser is adjusted by the rubber band 8. The zippers 19a, 19b, the zippers 19c, 19d, and zippers 19g, 19h are zipped up, so that the trouser is formed as shown in Fig. 1j, wherein the decomposition diagram of the formation of the top is shown as Fig. 1i.

[0031] A fifth formation of the first preferred embodiment of the present invention is described below: two pairs of the above trousers of Fig. 1j are connected to form a jacket, wherein the unzipped zippers 19a and 19b of Fig. 1k are mutually re-zipped up between the two pair of trousers to form a top of Fig. 1l, wherein one of the trouser legs of each pair of trousers is formed a sleeve,

and the other of the trouser legs is connected to the other pair of trouser to form the front and back panel of the jacket body having a tubular shape. Moreover, through zipping up the two opening gaps zippers 19e and 19f, the sleeve can be constricted to a suitable size. The size of the neckline is able to be adjusted by the two rubber bands 8 of the two pairs of trouser. Finally a top jacket is formed as shown in Fig. 1m.

[0032] A sixth formation of the first preferred embodiment of the present invention is described below: another style of a second top is formed by connecting two of the same skirts of Fig. 1d, wherein two lower parts of the two skirt are formed the main part of the second top. The details is described as follows: one of the connecting means 17a, 17b, 17c, and 17d are fastened with the other connecting means 17a, 17b, 17c, and 17d of the side parts of the skirt as shown in Fig. 1n. Two sleeves are formed by constricting the rubber bands 8 of the two skirts, so that another style of the second top is formed as shown in Fig. 1o.

[0033] Referring to Fig. 2 of the drawings, a multifunctional garment or trappings according to a second preferred embodiment of the present invention is illustrated, wherein Fig. 2-1 is shown the view from different angles of Fig. 2, wherein the multifunctional garment or trappings comprises a article 1 and a article 2. Fig. 2-2 shows the sectional view of the second preferred embodiment of the present invention. Accordingly, the article 1 has an approximate barrel shape, wherein a rubber band 18a, 18b of the adjustable member is provided at the lower peripheral part of the article 1, wherein a zipper 19a and a zipper 19f of the detachable connecting components is provided at the lower edge of the article 1. Two sides of the article 1 symmetrically have openings, and zippers 19b, 19c, 19d, and 19e are provided at the edges of the openings. Zippers 29a and 29b are provided at the upper opening of the article 2 and respectively matched with the zipper 19a and the zipper 19f as shown in Fig. 2-3. Two lateral openings are symmetrically provided at the two sides of the article 2, wherein a plurality of connecting means 27a, 27b, 27c, and 27d are provided thereat and the connecting means 27e and 27f are provided at the lower peripheral edge of article 2, all of which are preferably embodied as buttons hereto. Opening and closing connection means, i.e. zippers 29c, 29d, 29e, 29f, 29g, and 29h are further provided at the article 2.

[0034] Accordingly, the second preferred embodiment of the present invention has a plurality of formations. The followings list some formations and instructions of the multifunctional garment of the second preferred embodiment of the present invention.

[0035] A first formation of the second preferred embodiment of the present invention is described below: zip up the zippers 19b, 19c and zippers 19d, 19e of the openings of the article 1. Moreover, the article 1 is connected with the article 2 by zipping up the zippers 19a, 29a and the zippers 19f, 29b. Further, the opening and closing connection means, i.e., zippers 29c, 29d and the zippers

29e, 29f provided at the two sides of the article 2 are zipped up, so that the multifunctional garment of the second preferred embodiment of the present invention turns into a skirt as shown in Fig. 2a, wherein a view of the formation of the skirt is illustrated in Fig. 2a-1.

[0036] A second formation of the second preferred embodiment of the present invention is described below: based on the skirt of Fig. 2a, the zippers 19b, 19c and the zippers 19d, 19e of the side openings of the article 1 are unzipped for formatting two armholes openings, so that the above skirt of the multifunctional garment is changed to a first style top as shown in Fig. 2b.

[0037] A third formation of the second preferred embodiment of the present invention is described below: based on the above first style top, an adjusting band 18 of the adjustable member is provided at the top peripheral opening of the article 1, wherein a collar of the top opening can be adjusted to a suitable size of the neckline through the adjusting band 18 so as to form a second style top as shown in Fig. 2c.

[0038] A fourth formation of the second preferred embodiment of the present invention is described below: based on the above second style top of Fig. 2a, all zippers of the article 2 are zipped up, so that a large bag is formed, wherein the rubber band 18 provided perimetrically on the upper parts of the article 1 becomes a hand-held part of the bag as shown in Fig. 2d.

[0039] A fifth formation of the second preferred embodiment of the present invention is described below: based on the skirt of Fig. 2a, two side parts of the connecting means 27e, 27f of the lower peripheral edge of the skirt is fastened to form a shoulder part of a third style top and defined a neck opening therebetween, the side parts of the article 2 of the skirt are opened for formatting two sleeve openings, the waist part of the skirt is turned to the waist of the third style top. Therefore, the third style top is formed as shown in Fig. 2e, wherein the transition of the formation of the third style top is shown in Fig. 2e-1.

[0040] A sixth formation of the second preferred embodiment of the present invention is described below: based on the skirt of Fig. 2a, the connecting means of the side parts of the article 2 are opened for rearranging, wherein the connecting means 27a, 27d are fastened, and the connecting means 27b, 27c are fastened, so that a pair of pants is formed as shown in Fig. 2f, wherein a transformation process thereof is shown in Fig. 2f-1.

[0041] A seventh formation of the second preferred embodiment of the present invention is described below: the article 1 is independent for the seventh formation. The article 1 is reversed, wherein the zippers 19b, 19c and the zippers 19d, 19e are zipped up. The rubber bands 18a and 18b of the bottom peripheral edge of the article 1 of the skirt are constricted up to form the top portion of a hat. Moreover, the adjusting band 18 provided perimetrically on the upper parts of the article 1 is adapted for adjusting a head circumference of the hat, so that the hat is formed as shown in Fig. 2g, wherein the Fig. 2g-s shows the transitional state of the hat formation.

[0042] An eighth formation of the second preferred embodiment of the present invention is described below: the article 1 is independent for the eighth formation. The zippers 19a, 19f of the opening and closing connection means provided at the lower peripheral edge of the article 1 are zipped up to form a small bag with a hand-held portion formed by the adjusting band 18 of the adjustable member as shown in Fig. 2h, wherein the transitional changes of the small bag is shown in Fig. 2h-1.

[0043] A ninth formation of the second preferred embodiment of the present invention is described below: the article 2 is independent for the ninth formation, wherein a adjusting band 28 of the adjustable member provided at the top peripheral edge of the article 2 is adapted for adjusting the size of the top peripheral edge of the article 2 to fit the size of waist. Moreover, the zippers 29c, 29d and the zippers 29e, 29f, are partially zipped, so that a short skirt is formed as shown in Fig. 2i. The transitional changes of the short skirt are shown in Fig. 2i-1 and Fig. 2i-2.

[0044] A tenth formation of the second preferred embodiment of the present invention is described below: based on the above short skirt of Fig. 2i, the opening and closing connection means, i.e. the zippers 29c, 29d, the opening and closing connection means, i.e. the zippers 29e, 29f, and the opening and closing connection means, i.e. the zippers 29g, 29h are zipped up, so that a medium-size bag is formed with a hand-held of the second adjusting band 28 as shown in Fig. 2j.

[0045] An eleventh formation of the second preferred embodiment of the present invention is described below: another style of a top is formed by connecting two of the same skirts of Fig. 2a, as shown in Fig. 2k-1, the two articles 2 of the two skirts are connected together to form the main part of the top, wherein the connecting means 27a, 27b, 27c, and 27d of the side parts of one of the skirts are fastened with the connecting means 27b, 27a, 27d, and 27c of the side parts of the other skirts. The adjusting bands 18 of the articles 1 adjust the opening of the skirts to a suitable size of the sleeve, so that the top is formed as shown in Fig. 2k.

[0046] A twelfth formation of the second preferred embodiment of the present invention is described below: the two same articles 2 are adapted for the twelfth formation as shown in Fig. 2l-1, similar to the method of the eleventh formation, the connecting means 27a, 27b, 27c, and 27d of the side parts of the article 2 are fastened with the connecting means 27b, 27a, 27d, and 27c of the side parts of the other article 2. Moreover, the adjusting bands 28 at the top peripheral edges of the articles 2 adjust said top peripheral edges to a suitable size, so that the second vest is formed as shown in Fig. 2l.

[0047] A thirteenth formation of the second preferred embodiment of the present invention is described below: the two same articles 1 are adapted for the thirteenth formation as shown in Fig. 2m-1, wherein the zippers at the lower peripheral edge of the two articles 1 are zipped up completely, and the adjusting bands 18 of the two

articles 1 are tightened up to close the openings at the top peripheral edge of the two articles 1, so that a bag is formed as shown in Fig. 2m, wherein the adjusting bands 18 can be the hand-held of the bag.

[0048] A fourteenth formation of the second preferred embodiment of the present invention is described below: similar to the above thirteenth formation, the two same articles 1 are adapted for the fourteenth formation, wherein the zippers at the bottom peripheral edge of the two articles 1 are partially zipped up to form an opening for a half-length coat, wherein the adjusting bands 18 of the articles 1 are tightened to adjust the size to the sleeves of the half-length coat as shown in Fig. 2n.

[0049] Referring to Fig. 3 of the drawings, a multifunctional garment or trappings according to a third preferred embodiment of the present invention is illustrated, wherein the multifunctional garment comprises five articles, i.e. a article 1, a article 2, a article 3, a article 4, and a article 5, wherein the article 1 has an approximate barrel shape having openings provided at two side parts of the article 1, wherein a plurality of connecting means 17a, 17b, 17c and 17d are provided at the position of the openings respectively. Another two openings are symmetrically provided at the middle two side parts of the article 1, wherein a plurality of detachable connecting components of zippers 19a, 19b and 19e, 19f are provided along the two openings. Fig. 3a-2 partially shows one of the two openings of the article 1. An adjusting band 18 is provided at the top peripheral edge of the top opening of the article 1. A zipper 19c, and a zipper 19d of the detachable connecting components are further respectively provided at the bottom peripheral edge of the article 1. Each of the articles 2, 3, 4, 5 has an approximate rectangular shape, wherein the detachable connecting components, i.e. a zipper 29a and a zipper 29b are respectively provided at the top peripheral edge and bottom peripheral edge of the article 2, wherein a plurality of connecting means 27a and connecting means 27b are respectively provided at two side parts of the article 2. The detachable connecting components, i.e. a zipper 39a and zipper 39b are respectively provided at the top peripheral edge and bottom peripheral edge of the article 3, wherein a plurality of connecting means 37b and 37a are respectively provided at two side parts of the article 3. The detachable connecting components, i.e. two zippers 49a and 49b are respectively provided at the top peripheral edge and bottom peripheral edge of the article 4, wherein a plurality of connecting means 47a and 47b are respectively provided at two side parts of the article 4.

[0050] Accordingly, the third preferred embodiment of the present invention has a plurality of formations. The followings list some formations and instructions of the multifunctional garment of the third preferred embodiment of the present invention.

[0051] A first formation of the third preferred embodiment of the present invention is described below: close the openings of the article 1 by zipping up the zippers 19a, 19b, and the zippers 19e, 19f of the article 1, and

then buckle the connecting means 17a, 17c with the connecting means 17b, 17d at the two lower side parts of the article 1. Moreover, the connecting means 27a at the side parts of the article 2 are buckled with the connecting means 37a at the side parts of the article 3, and the connecting means 37b at the side parts of the article 3 are buckled with the connecting means 27b at the side parts of the article 2. The connecting means 47a at the side parts of the article 4 are buckled with the connecting means 57a at the side parts of the article 5, and the connecting means 47b at the side parts of the article 4 are buckled with the connecting means 57b at the side parts of the article 5. Further, the zipper 19c at the bottom peripheral edge of the article 1 is detachably zipped with zipper 29a at the top peripheral edge of the article 2, and the zipper 39a at the top peripheral edge of the article 3 are detachably zipped with the zipper 19d at the bottom part of the article 1. The 29b at the bottom peripheral edge of the article 2 are detachably zipped with the zipper 49a at the top peripheral edge of the article 4, and the zipper 39b at the bottom peripheral edge of the article 3 are detachably zipped article the zipper 59a at the top peripheral edge of the article 5, so that a first skirt is formed by the above steps as shown in Fig. 3a. A sectional view of the transition change of the first skirt is shown in Fig. 3a-1.

[0052] A second formation of the third preferred embodiment of the present invention is described below: based on the first skirt of Fig. 3a, the zippers 19a, 19b and the zippers 19e, 19f of the openings of the article 1 are unzipped to open the openings. The top opening of the article 1 is adjusted to a suitable size of a collar of the dress by the adjusting band 18 at the top peripheral edge of the article 1 so as to form two sleeve cuffs of a dress, as shown in Fig. 3b.

[0053] A third formation of the third preferred embodiment of the present invention is described below: based on the above dress of Fig. 3b, the article 4 and the article 5 are detached by unzipping the zipper 29b and the zipper 49a, and unzipping the zipper 39b and the zipper 59a. Therefore, a first top is formed as shown in Fig 3c.

[0054] A fourth formation of the third preferred embodiment of the present invention is described below: based on the above first top of Fig. 3c, a second top is formed by constricting the adjusting band 18 at the top peripheral edge of the article 1 as shown in Fig. 3d.

[0055] A fifth formation of the third preferred embodiment of the present invention is described below: the zippers 19a, 19b and the zippers 19e, 19f of the article 1 are zipped, and two side openings at the lower parts of the article 1 are remained. opened The zipper 19c at the bottom peripheral edge of the article 1 and the zipper 29a at the top peripheral edge of the article 2 are zipped up to connect articles 1 and 2. The zipper 19d at the bottom peripheral edge of the article 1 and the zipper 39a at the top peripheral edge of the article 3 are zipped up to connect articles 1 and 3. The connection means at two sides of the article 2 and article 3 are unbuckled. The

zipper 29b at the bottom peripheral edge of the article 2 and the zipper 39b at the bottom peripheral edge of the article 3 are partially zipped up to connect two ends of the bottom peripheral edges of the articles 2 and 3 to define a middle opening of a third top, so that the third top is formed as shown in Fig. 3e. A sectional view of the transitional change of the third top is shown in Fig. 3e-1.

[0056] A sixth formation of the third preferred embodiment of the present invention is described below: buckle the connecting means 47a at the side peripheral edge of the article 4 and the connecting means 57a at the side peripheral edge of the article 5, and buckle the connecting means 57b at the side peripheral edge of the article 5 and the connecting means 47b at the side peripheral edge of the article 4, so that the articles 4 and 5 are detached from the above first skirt are connected to form a second skirt. A adjusting band 58 is further provided at the top parts of the article 5, so that a waist size of the second skirt can be adjusted to a suitable size of the waist to form the second skirt as shown in Fig. 3f. A sectional view of the transitional change of the second skirt is shown in Fig. 3f-1.

[0057] A seventh formation of the third preferred embodiment of the present invention is described below: based on the above second skirt of Fig. 3f, unbuckled some connecting means of the upper side parts of the articles 4 and 5, so that two sleeves are formed so as to form a fourth top as shown in Fig. 3g.

[0058] An eighth formation of the third preferred embodiment of the present invention is described below: based on the above fourth top of Fig. 3g, a adjusting band 48a provided at the article 4 and the adjusting band 58 at the article 5 are adapted for constricting the top parts of the articles 4 and 5 to form a fifth top as shown in Fig. 3h.

[0059] A ninth formation of the third preferred embodiment of the present invention is described below: buckle the connecting means 47a at the side peripheral edge of the article 4 and the connecting means 57a at the side peripheral edge of the article 5, and buckle the connecting means 57b at the side peripheral edge of the article 5 and the connecting means 47b at the side peripheral edge of the article 4. Moreover, the zipper 49b at the bottom peripheral edge of article 4 is zipped with the zipper 59b at the bottom peripheral edge of the article 5, so that a first bag is formed as shown in Fig. 3i. The adjusting band 48a at the top parts of the article 4 and the adjusting band 58 at the top parts of the article can be formed as the hand-held of the first bag. A sectional view of the transitional change of the first bag is shown in Fig. 3i-1.

[0060] A tenth formation of the third preferred embodiment of the present invention is described below: the article 4 or the article 5 is independent for the tenth formation. Taking the article 4 as an example, the adjusting bands 48a and 48b are respectively provided at the top peripheral edge and bottom peripheral edge of the article 4. The connecting means 47a and 47b at the side peripheral edge of the article 4 are buckled to form a main body of a second bag. Further, the adjusting bands 48a and

48b are constricted to close two ends of the main body of the second bag, such that the second bag is formed as shown in Fig. 3j. The adjusting bands 48a and 48b at the top peripheral edge and bottom peripheral edge of the article 4 are formed as the hand-held of the second bag. A sectional view of the transitional change of the second bag is shown in Fig. 3j-1.

[0061] An eleventh formation of the third preferred embodiment of the present invention is described below: based on the first skirt of the first formation, the zipper 29b and the zipper 49a are unzipped to detach the article 4. The zipper 39b and the zipper 59a are unzipped to detach the article 5, so that a third skirt is formed as shown in Fig. 3k.

[0062] A twelfth formation of the third preferred embodiment of the present invention is described below: based on the above third skirt of Fig. 3k, the zipper 19c and the zipper 29a are unzipped to detach the article 2. The zipper 19d and the zipper 39a are unzipped to detach the article 3, so that a shorter fourth skirt is formed as shown in Fig. 3l.

[0063] A thirteenth formation of the third preferred embodiment of the present invention is described below: based on the above fourth skirt of Fig. 3l, all the opening and closing connection means of the article 1 zippers are zipped up to form a third bag as shown in Fig. 3m.

[0064] A fourteenth formation of the third preferred embodiment of the present invention is described below: the articles 2, 3 is independent for the fourteenth formation. Taking the article 2 as an example, the connecting means 27a and the connecting means 27b at the two side peripheral edges of the article 2 are respectively buckled. A adjusting band 28 provided at the top peripheral edge of the article 2 is adapted for constricting the one end of the article 2, and another opening periphery end of the article 2 is evert, so as to form a hat as shown in Fig. 3n. A sectional view of the transitional change of the hat is shown in Fig. 3n-1. Similarly, the article 3 can also form the same style hat.

[0065] A fifteenth formation of the third preferred embodiment of the present invention is described below: the articles 2, 3, 4, 5 are used for the fifteenth formation, wherein the connecting means 47a at the side peripheral edge of the article 4 are partially buckled with the connecting means 57a, wherein the connecting means 47b at the article 4 are partially buckled with the connecting means 57b at the side peripheral edge of the article 5, so that the articles 4, 5 form the main body of a sixth top, the unbuckled part of the top part form two openings of sleeves. The connecting means 27a, 27b at the article 2 are buckled to form a first sleeve and the connecting means 37a, 37b at the article 3 are buckled to form a second sleeve. Moreover, a plurality of the thirteenth connecting means 27c, 27d are further provided at the bottom peripheral edge of the article 2, so that the connecting means 27c and the connecting means 27d are respectively buckled with the connecting means 47a and the connecting means 57a, such that the first sleeve is de-

tachably connected to the main body of the sixth top. A plurality of the connecting means 37c and connecting means 37d are further provided at the bottom peripheral edge of the article 3, so that the connecting means 37c and connecting means 37d are respectively buckled with the connecting means 47b and the connecting means 57b. Therefore, the second sleeve is detachably connected to the main body of the sixth top, so that the short-sleeved sixth top is formed as shown in Fig. 3o. A sectional view of the transitional change of the sixth top is shown in Fig. 3o-1.

[0066] A sixteenth formation of the third preferred embodiment of the present invention is described below: close the openings formed on the article 1. Buckle the connecting means 17a, 17b, 17c 17d at the lower side parts of the article 1. The and connecting means 27a, 27b at the article 2 are buckled. The connecting means 37a, 37b at the article 3 are buckled. The connecting means 47a, 47b at the article 4 are buckled. The connecting means 57b and the connecting means 57a at the article 5 are buckled. Moreover, the zipper 19c at the bottom peripheral edge of article 1 and the zipper 29a at the top peripheral edge of article 2 are zipped up. Zip up the 19d at the bottom peripheral edge of the article 1 and the zipper 39a at the top peripheral edge of the article 3. Zip up the zipper 29b at the bottom peripheral edge of the article 2 and the zipper 49a at the top peripheral edge of the article 4. Zip up the zipper 39b at the bottom peripheral edge of the article 3 and the zipper 59a at the top peripheral edge of the article 5, so that a first pair of pants as shown in Fig. 3p. A sectional view of the transitional change of the first pair of pants is shown in Fig. 3p-1.

[0067] A seventeenth formation of the third preferred embodiment of the present invention is described below: based on the above first pair of pants, articles 4, 5 are detached so that a shorter second pair of pants is formed as shown in Fig. 3q.

[0068] An eighteenth formation of the third preferred embodiment of the present invention is described below: based on the above second pair of pants of Fig. 3q, the articles 2, 3 are further detached article, so that a further shorter third pair of pants is formed as shown in Fig. 3r.

[0069] A nineteenth formation of the third preferred embodiment of the present invention is described below: based on the first pair pants of Fig. 3p, the connecting means 27a, 27b at the article 2 are partially unbuckled. The connecting means 37b, 37a at the side parts of the article 3 are partially unbuckled. Moreover, all the connecting means at two lower portions of the side parts of the article 1 are unbuckled, so that an opening of a collar of is formed, so as to form a seventh top as shown in Fig. 3s. A sectional view of the transitional change of the seventh top is shown in Fig. 3s-1.

[0070] A twentieth formation of the third preferred embodiment of the present invention is described below: based on the first pair of pants of Fig. 3p, all the connecting means of the articles 2,3,4,5 are unbuckled. The zip-

per 29b at the bottom peripheral edge of the article 2 and the zipper 49a at the top peripheral edge of the article 4 are partially unzipped to form an arm opening which is for the arm going through the arm opening. Similarly, the zipper 39b at the bottom peripheral edge of the article 3 and the zipper 59a at the top peripheral edge of the article 5 are partially unzipped to form another arm opening which is for the other arm going through the arm opening. Therefore, a shawl is formed after a series of changes as shown in Fig. 3t. A sectional view of the transitional change of the shawl is shown in Fig. 3t-1.

[0071] A twenty first formation of the third preferred embodiment of the present invention is described below: based on the first pair of pants of Fig. 3p, all the connecting means at the two lower portion of the side parts of the article 1 and at the side parts of the articles 2, 3 are unbuckled. The connecting means at the side parts of the articles 4, 5 are remained buckled. Moreover, the adjusting band 18 is adapted for adjusting the top opening of the article 1 to a suitable size of the neck, so that an eighth top is formed as shown in Fig. 3u. A sectional view of the transitional change of the eighth top is shown in Fig. 3u-1.

[0072] A twenty second formation of the third preferred embodiment of the present invention is described below: based on the above eighth top of Fig. 3u, the articles 4, 5 are respectively detached Unbuckle all the connecting means at the two lower portions of the side parts of the article 1 and at the side parts of the articles 2, 3, so that a ninth top is formed as shown in Fig. 3v.

[0073] A twenty third formation of the third preferred embodiment of the present invention is described below: based on the above ninth top of Fig 3v, connect the articles 4, 5 by respectively zipping up the zippers 49a and 49b at the article 4 with the zippers 59a and 59b at the article 5. Further, the connecting means 47a are buckled with the connecting means 17a and 17d at the lower portion of the side parts of the article 1 and some of the the connecting means 27a and 27b at the side parts of the article 2. The connecting means 57a at the side parts of the article 5 are buckled with the connecting means 17b and 17c at the lower portions of the side parts of the article 1 and some of the the connecting means 37a and 37b at the side parts of the article 3, so that a tenth top is formed as shown in Fig. 3w.

[0074] Referring to Fig. 4 of the drawings, a multifunctional garment or trappings according to a fourth preferred embodiment of the present invention is illustrated, wherein the multifunctional garment comprises four pieces of article, i.e. a article 1, a article 2, a article 3, and a article 4, wherein the articles 1, 2 are identical and have the shape of the trousers leg. The articles 3, 4 are identical as shown in Fig. 4b. A zipper 19a and a zipper 19b of the detachable connecting components are provided at the article 1, and a zipper 29a and a zipper 29b are correspondingly provided at the article 2 corresponded to the zippers 19a and 19b. The articles 1, 2 can be detachably connected by zipping the zipper 19a and zipper

29a, and zipping the zippers 19b and 29b. Moreover, a zipper 19c and a zipper 29c are respectively provided at the bottom peripheral edge of the articles 1, 2. The article 3 provides a zipper 39d at the top peripheral edge of the article 3, wherein a zipper 39c is provided at the middle part of the article 3, wherein a zipper 39a and a zipper 39b are provided at the side parts of the article 3. Similarly, the article 4 provides a zipper 49d at the top peripheral edge of the article 4, wherein a zipper 49c is provided at the middle part of the article 4, wherein a zipper 49a and a zipper 49b are provided at the side parts of the article 4.

[0075] Accordingly, the fourth preferred embodiment of the present invention has a plurality of formations. The followings list some formations and instructions of the multifunctional garment of the fourth preferred embodiment of the present invention.

[0076] A first formation of the fourth preferred embodiment of the present invention is described below: zip up the zippers 19a and 19b at the article 1, and zip up the zippers 29a and 29b at the article 2. The zippers 39a and 39b at the side parts of the article 3 are zipped up and the zippers 49a and 49b at the side parts of the article 4 are zipped up. Further, zip up the zipper 19c at the bottom part of the article 1 and the zipper 39c at the middle part of article 3. Zip up the zipper 29c at the bottom part of the article 2 and the zipper 49c at the fourth part of the article 4, so that a pair of pants is formed as shown in Fig. 4a.

[0077] A second formation of the fourth preferred embodiment of the present invention is described below: zip up the zippers 19a, 19b at the article 1 and the zipper 39d at the article 3. Zip up the zippers 29a, 29b and the zipper 49d at the article 4. Zip up the zipper 39a at the article 3 and the zipper 49a at the article 4. Zip up the zipper 39b at the article 3 and the zipper 49b at the article 4, wherein the articles 3, 4 are connected to form a main body of a top, wherein the articles 1, 2 are formed two sleeves of the top. Moreover, an adjusting band 18 and an adjusting band 28 are respectively provided at the top peripheral edges of the articles 1, 2, so that the adjusting bands 18, 28 are adapted for adjusting a size of a collar of the top, such that the top is formed as shown in Fig. 4d. A sectional view of the top is shown in Fig. 4c.

[0078] Referring to Fig. 5 of the drawings, a multifunctional garment or trappings according to a fifth preferred embodiment of the present invention is illustrated, wherein the multifunctional garment comprises an article 1, an article 2, and an article 3. As shown in Fig. 5a, the article 1 has a cylinder shape having a plurality of connecting means 17a provided at the bottom peripheral edge of the article 1, wherein a rubber band 18a of the adjustable member is provided at the bottom peripheral edge of the article 1, wherein a rubber band 18b is provided at the top peripheral edge of the article 1. Fig. 5b shows a top view of the article 2. According to the Fig. 5b, the article 2 has an opening wherein a connecting means 27a and a rubber band 28 of the adjustable member are provided

at the peripheral edge of the opening. A plurality of, zippers 29a, 29b, 29c, and 29d of the detachable connecting components are provided at the peripheral edges of the article 2. A plurality of connecting means 27a, 27b, 27c, and 27d are provided at the peripheral edges of the article 2. A plurality of detachable connecting components of zippers 39a, 39b are respectively provided at the top peripheral edge and bottom peripheral edge of the article 3, wherein a rubber band 38a and a rubber band 38b are further provided at the two side parts of the article 3 as shown in Fig. 5c.

[0079] Accordingly, the fifth preferred embodiment of the present invention has a plurality of formations. The followings list some formations and instructions of the multifunctional garment or trapping of the fifth preferred embodiment of the present invention.

[0080] A first formation of the fifth preferred embodiment of the present invention is described below: the connecting means 17a at the bottom peripheral edge of the article 1 and the connecting means 27a at an opening of the article 2 are fastened to connect the articles 1, 2. The zippers 29c, 29d at the article 2 and the zipper 39a at the top peripheral edge of the article 3 are zipped up to detachably connect the articles 2, 3. The connecting means 27a and the connecting means 27b at the article 2 are fastened to form a sleeve. The connecting means 27c and the connecting means 27d at the article 2 are fastened to form another sleeve, so that a first top is formed as shown in Fig. 5d.

[0081] A second formation of the fifth preferred embodiment of the present invention is described below: the article 2 of the fifth preferred embodiment is independent for the second formation. The article 2 as shown in Fig. 5b is vertically and symmetrically folded, wherein the rubber band 28 is constricted to close the central opening of the article 2, wherein the connecting means 27b, 27d are partially fastened to form a top opening of the article 2, so that a first skirt is formed as shown in Fig. 5g. The sectional views of the transitional changes of the first skirt are shown in the Fig. 5e and Fig. 5f.

[0082] A third formation of the fifth preferred embodiment of the present invention is described below: the article 2 of the fifth preferred embodiment is independent for the third formation. The article 2 is vertically and symmetrically folded, wherein the connecting means 27b and the connecting means 27d are fastened, wherein the connecting means 27a and the connecting means 27c are fastened to form a second top as shown in Fig. 5i. The process of change of the second top is shown in Fig. 5h.

[0083] A fourth formation of the fifth preferred embodiment of the present invention is described below: based on the second top of Fig. 5i, fasten the connecting means 27b, 27d and the connecting means 27a, 27c of the side parts of the second top. The zipper 29a and zipper 29b at the bottom of the second top are zipped up, wherein the rubber band 28 are constricted to adjust the collar of the second top, so that a first bag is formed as shown in Fig. 5j.

[0084] A fifth formation of the fifth preferred embodiment of the present invention described below: the article 3 is independent for the fifth formation, wherein the first zipper 39a at the top peripheral edge of the article 3 is partially zipped up to a size that is suitable for a waist of a skirt. Moreover, the rubber bands 38a, 38b are tightened to form a decoration, so that a second skirt is formed as shown in Fig. 5l. A sectional view of the transitional change of the second skirt is shown in Fig. 5k.

[0085] A sixth formation of the fifth preferred embodiment of the present invention described below: the article 3 is independent for the sixth formation, wherein the zipper 39a at the top peripheral edge of the article 3 and the zipper 39b at the bottom peripheral edge of the article 3 are zipped up to form an opening of the article 3, wherein the rubber bands 38a, 38b are adapted for adjusting the opening of the article 3, so that a second bag is formed as shown in Fig. 5o. The sectional views of the transitional changes of the second bag are shown in Fig. 5m and Fig. 5n.

[0086] A seventh formation of the fifth preferred embodiment of the present invention described below: the article 3 is independent for the seventh formation, wherein the article 3 is unfolded to a flat plane, wherein the zipper 39a at the top peripheral edge of the article 3 and zipper 39b at the bottom peripheral edge of the article 3 are partially zipped up the two ends of the zippers 39a and 39b, so that a shawl is formed as shown in Fig. 5q.

[0087] An eighth formation of the fifth preferred embodiment of the present invention described below: the article 1 is independent for the eighth formation, wherein the rubber band 18a is constricted to form a top of a hat, wherein the bottom peripheral edge of the article 1 is formed a brim of the hat, so that the hat is formed as shown in Fig. 5s.

[0088] A ninth formation of the fifth preferred embodiment of the present invention described below: based on the above hat of Fig. 5s, the rubber band 18b at the lower portion of the side part of the article 1 is constricted to close the brim of the hat, so that a third bag is formed as shown in Fig. 5t.

[0089] One skilled in the art will understand that the embodiment of the present invention as shown in the drawings and described above is exemplary only and not intended to be limiting. The detachable connecting components, adjustable members, or connecting means of the multifunctional garments or trappings of the present invention can have variety changes and locations to accomplish the variable formations or functions of the multifunctional garment or trapping.

[0090] The embodiments have been shown and described for the purposes of illustrating the functional and structural principles of the present invention and is subject to change without departure from such principles. Therefore, this invention includes all modifications encompassed within the spirit and scope of the following claims.

Claims

1. A multifunctional garment or trapping comprising: at least one article, wherein one or more detachable connecting components are provided at said article, wherein said detachable connecting components connect the different parts of one said article and/or connect two said articles to rearrange or recombine said article, so that said article of said multifunctional garment or trapping has variety styles and functions.
2. The multifunctional garment or trappings, as recited in claim 1, wherein one or more of adjustable members are provided at said article.
3. The multifunctional garment or trappings, as recited in claim 2, wherein one or more openings are provided at said article, wherein each of said openings is adapted to be selectively closed.
4. The multifunctional garment or trappings, as in claim 1, 2, or 3, wherein said detachable connecting components are selected from the group consisting of buttons, zippers, Velcro, and any detachably detached components formed by any producing ways.
5. The multifunctional garment or trappings, as recited in claim 3, wherein one or more connecting means are provided at said openings.
6. The multifunctional garment or trappings, as recited in claim 5, wherein said connecting means are selected from the group consisting of buttons, zippers, Velcro, and other components adapted for retaining said opening of said article between an open position and a closed position.
7. The multifunctional garment or trappings, as recited in claim 2, wherein said adjustable members are selected from the group consisting of strips, rubber bands, elastic bands, and other members having the similar adjustable function.
8. The multifunctional garment or trappings, as recited in claim 2, wherein said adjustable members are made of elastic or adjustable material, or use any producing ways to make the adjustable members have the elastic or adjustable properties.
9. The multifunctional garment or trappings, as recited in claim 7, wherein said detachable connecting components are provided at a peripheral edge of said article.
10. A method of producing a multifunctional garment or trappings, comprising the steps of (a) providing at least one article, wherein said article has one or more detachable connecting components, one or more

adjustable members, and/or one or more connecting means, and (b) changing the formations of styles or functions of said article in the manners such as mutual fastening, detaching, or opening to rearrange said article, so that a plurality of styles or configurations of said article are changed so as to change the connection of said article.

10

15

20

25

30

35

40

45

50

55

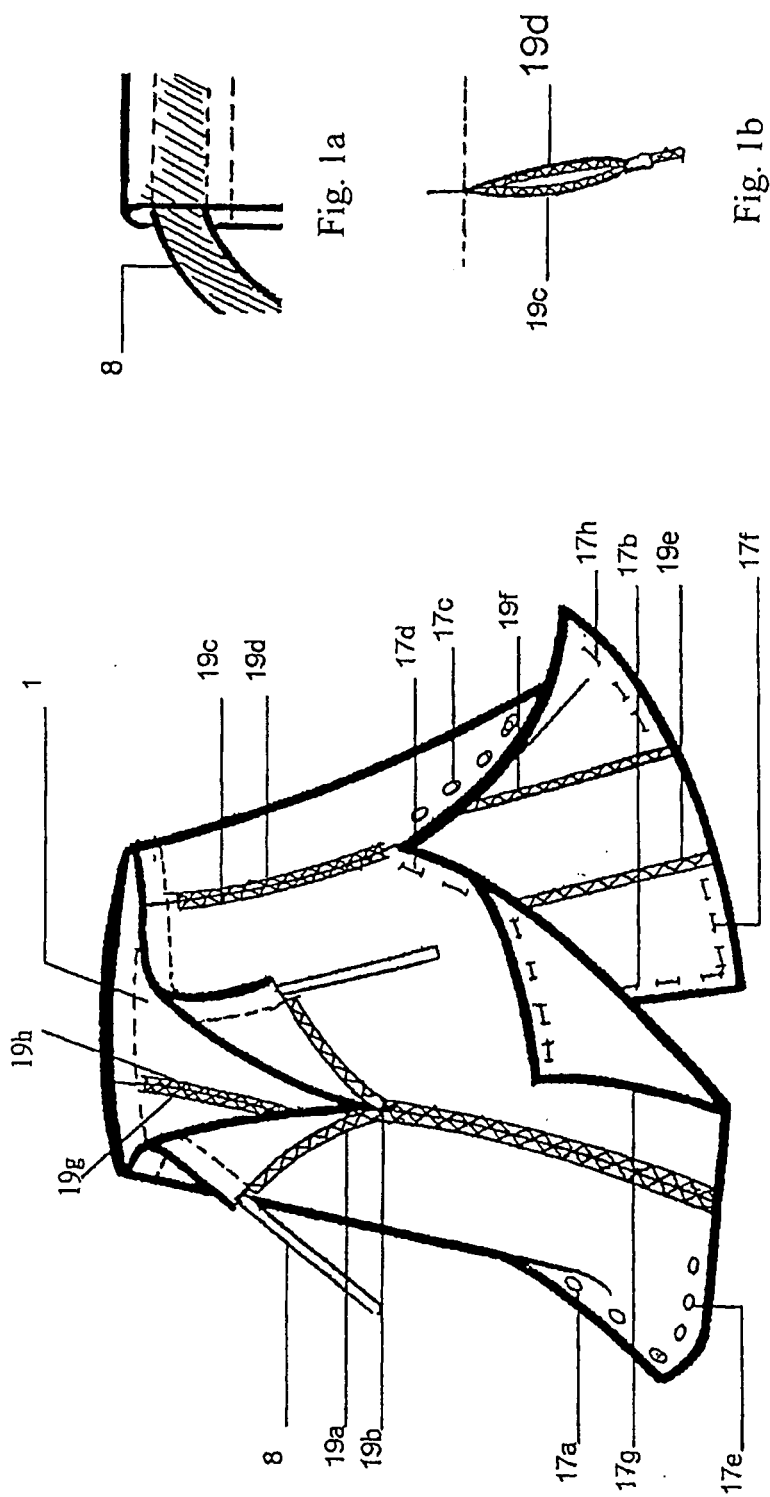
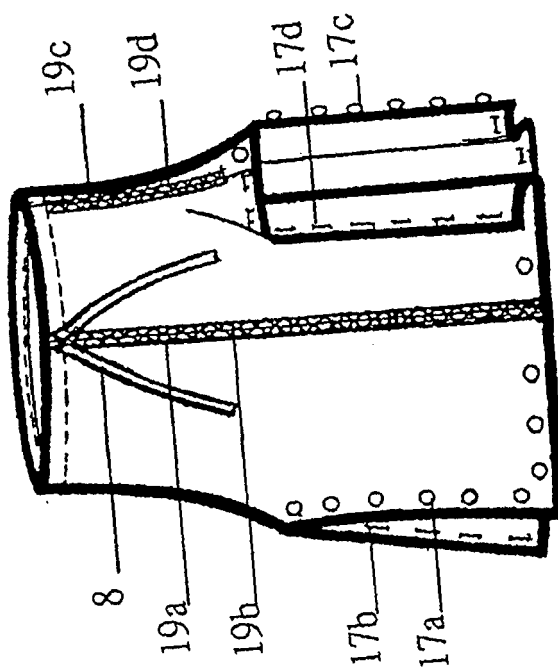
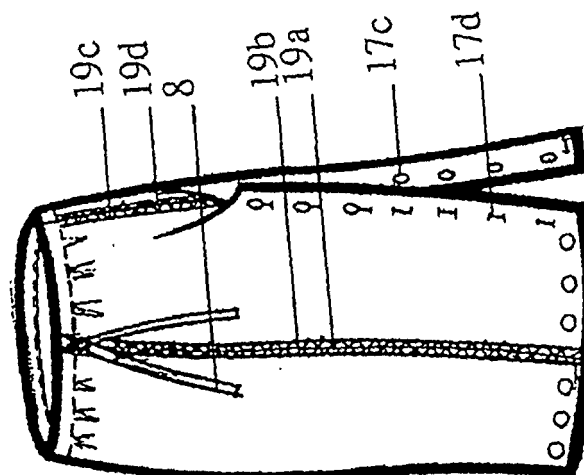
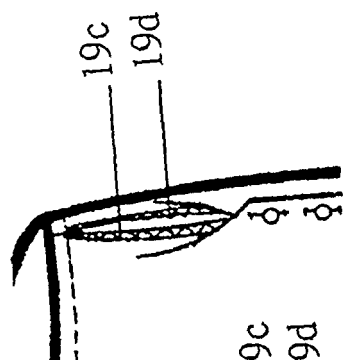


Fig. 1



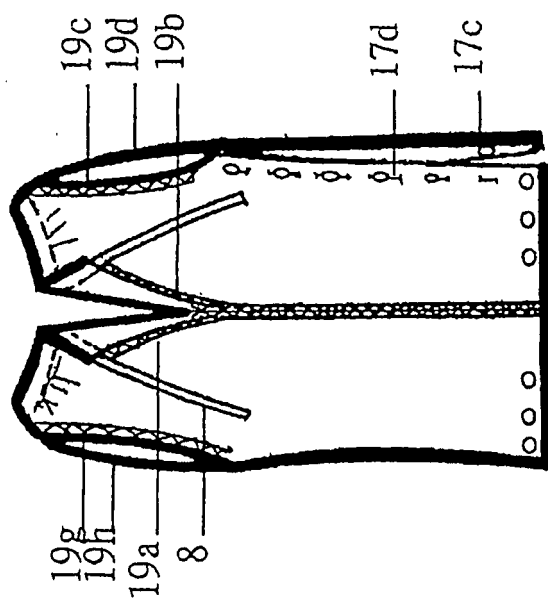


Fig. 1f

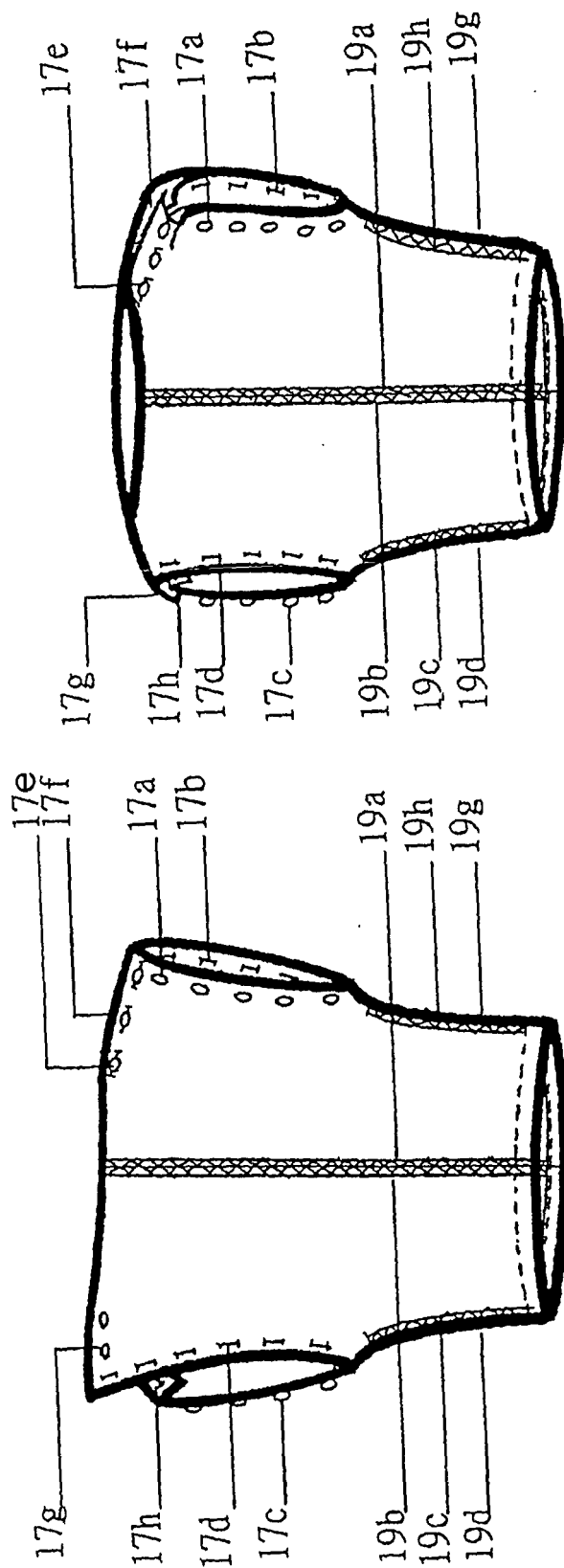


Fig. 1h

Fig. 1g

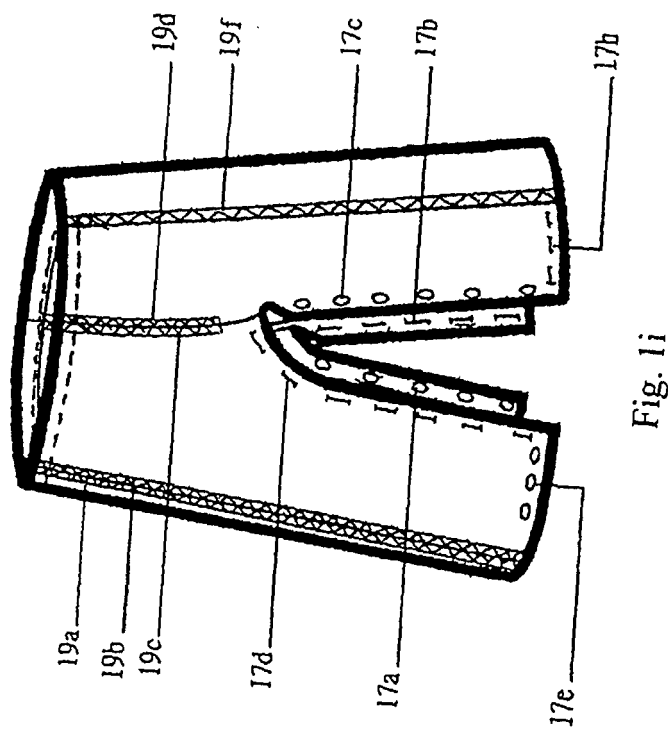


Fig. 1i

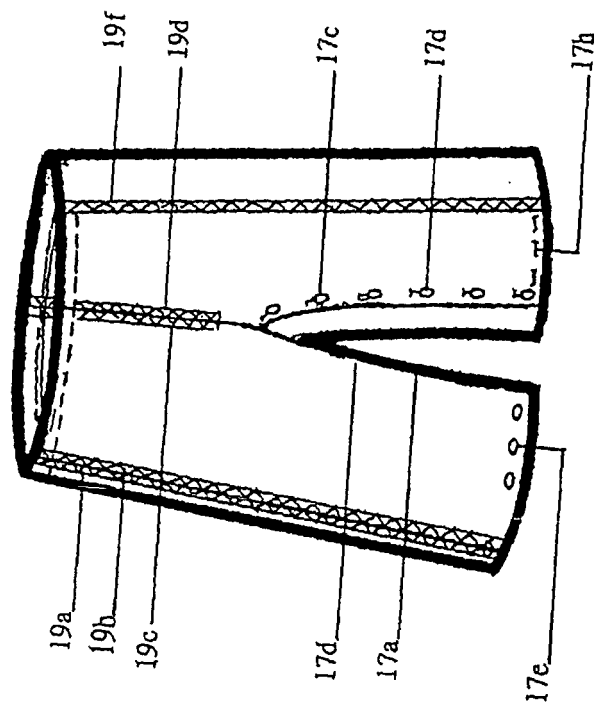


Fig. 1j

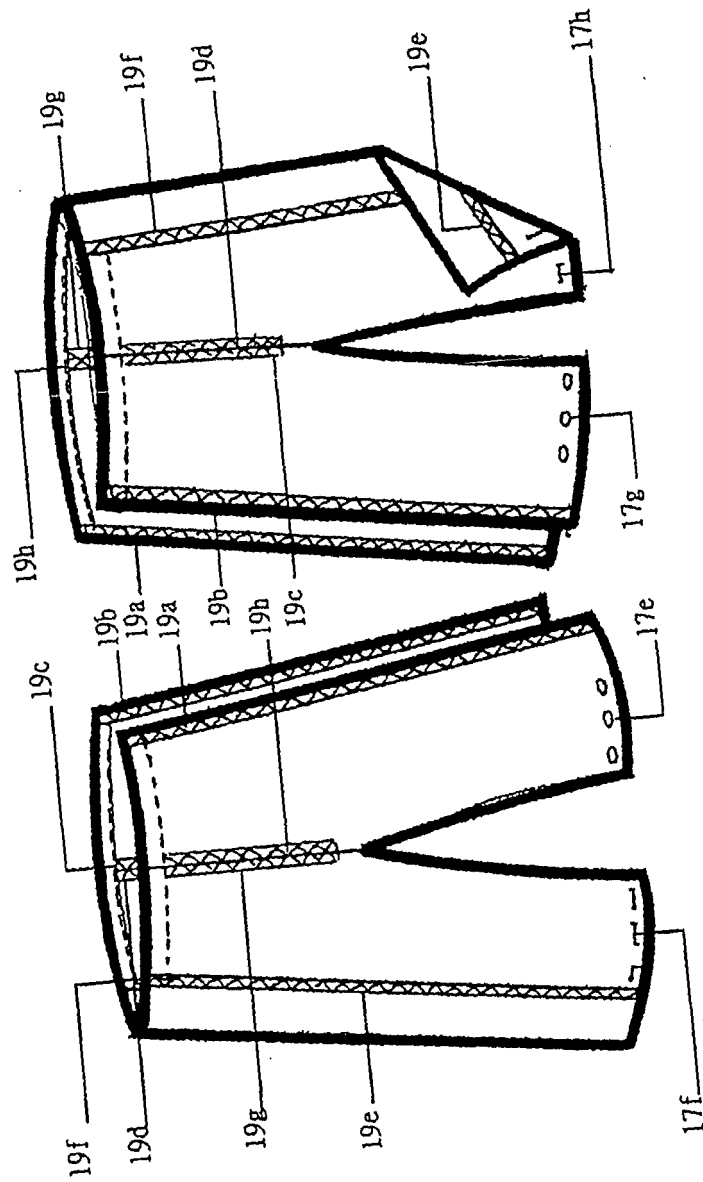
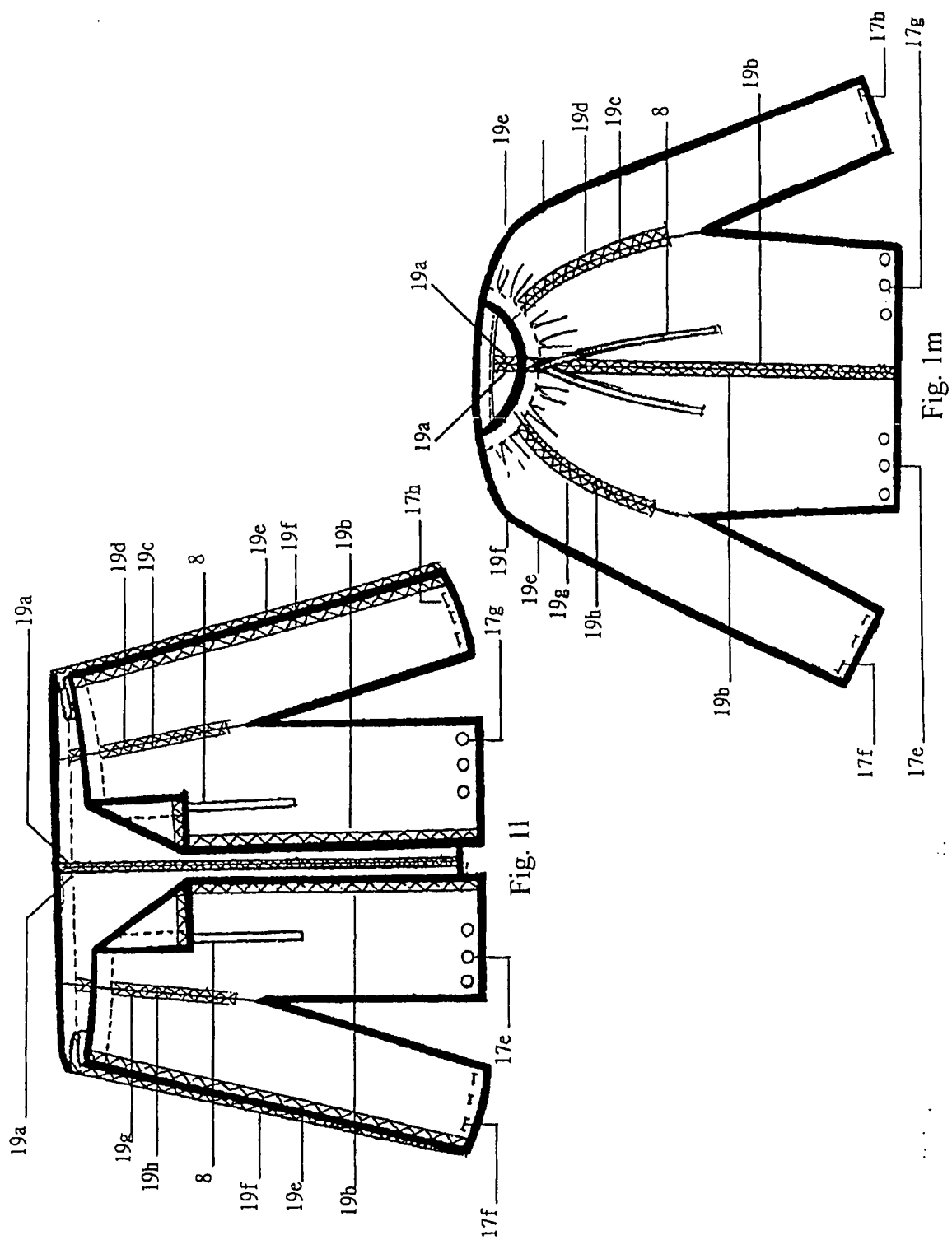


Fig. 1k



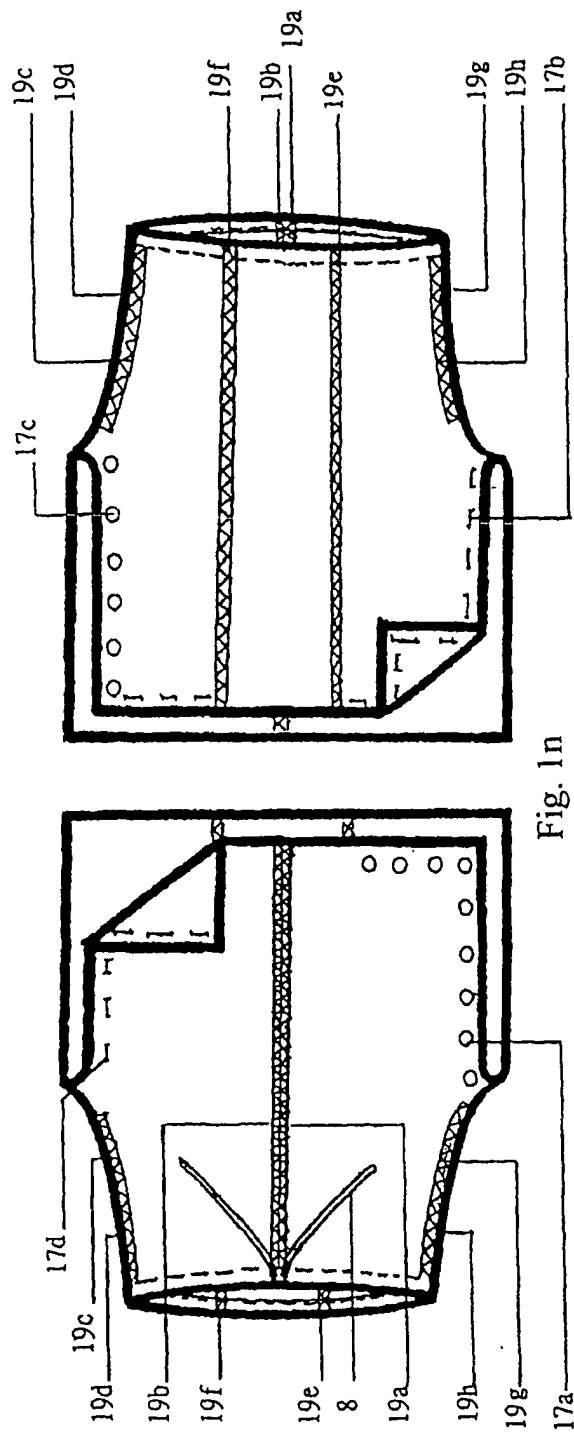


Fig. 1n

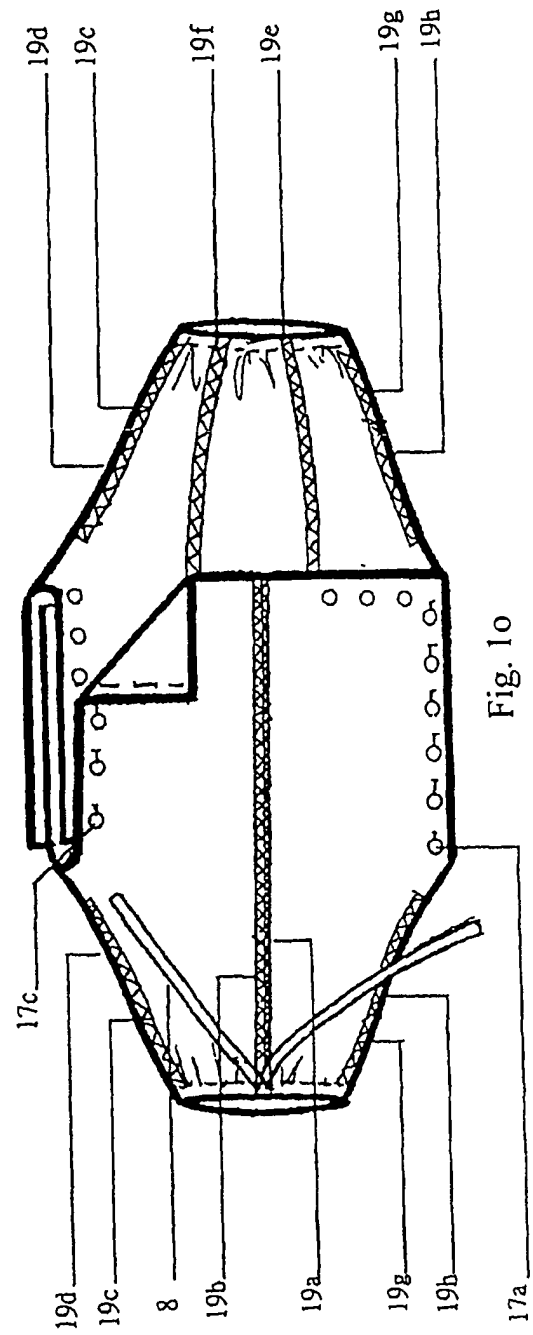


Fig. 1o

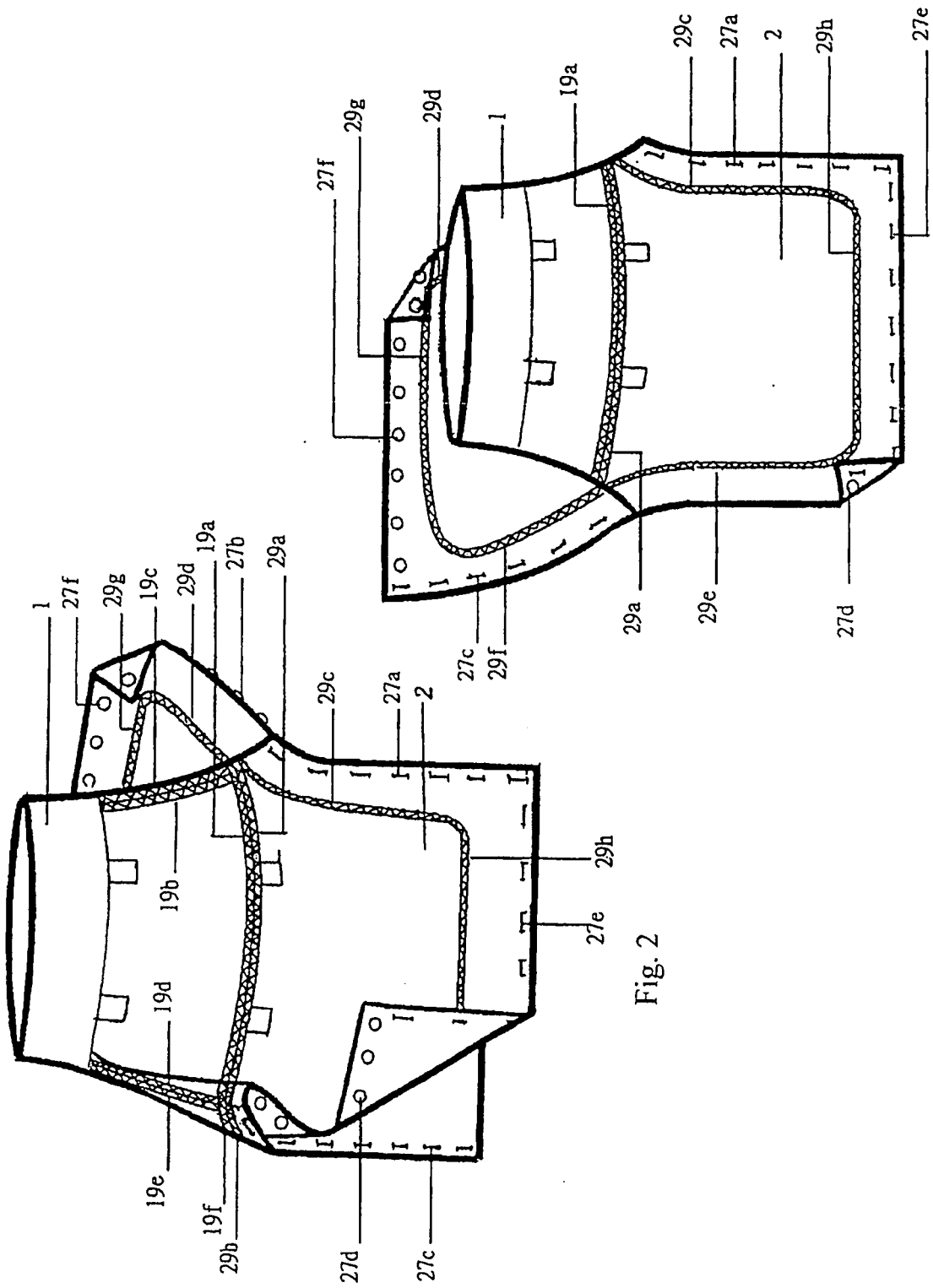


Fig. 2-1

Fig. 2

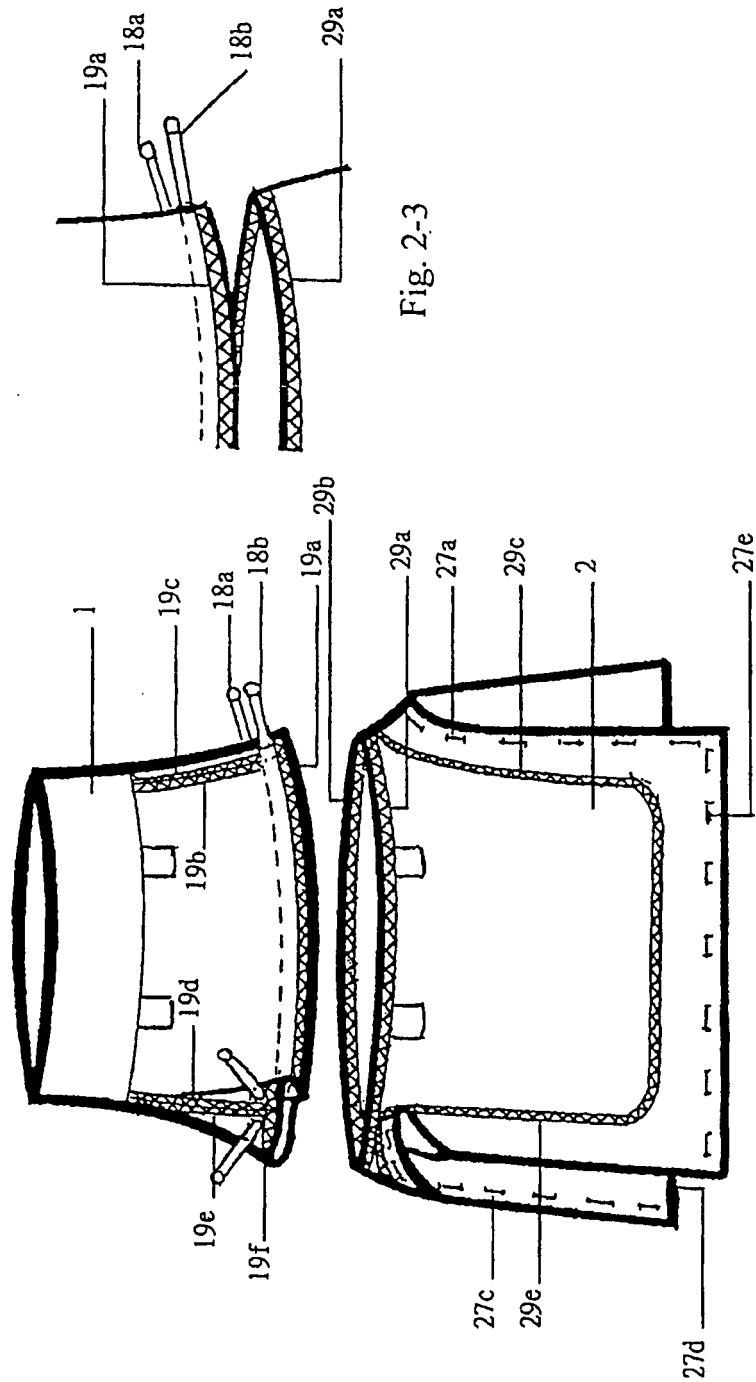


Fig. 2-2

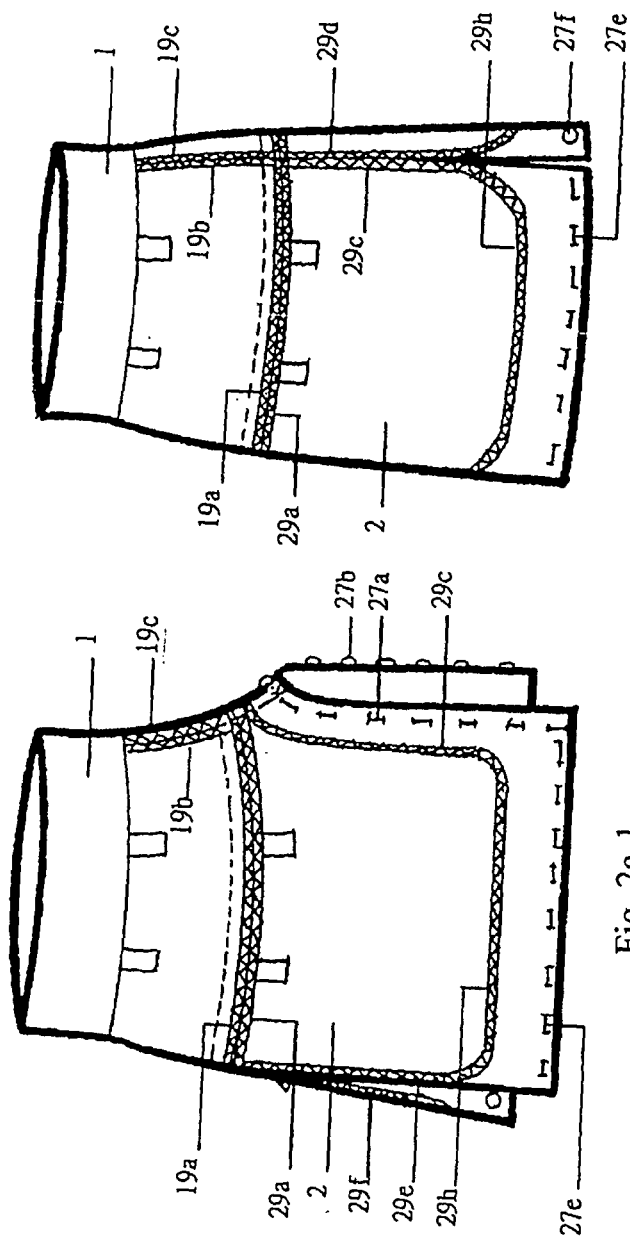


Fig. 2a

Fig. 2a-1

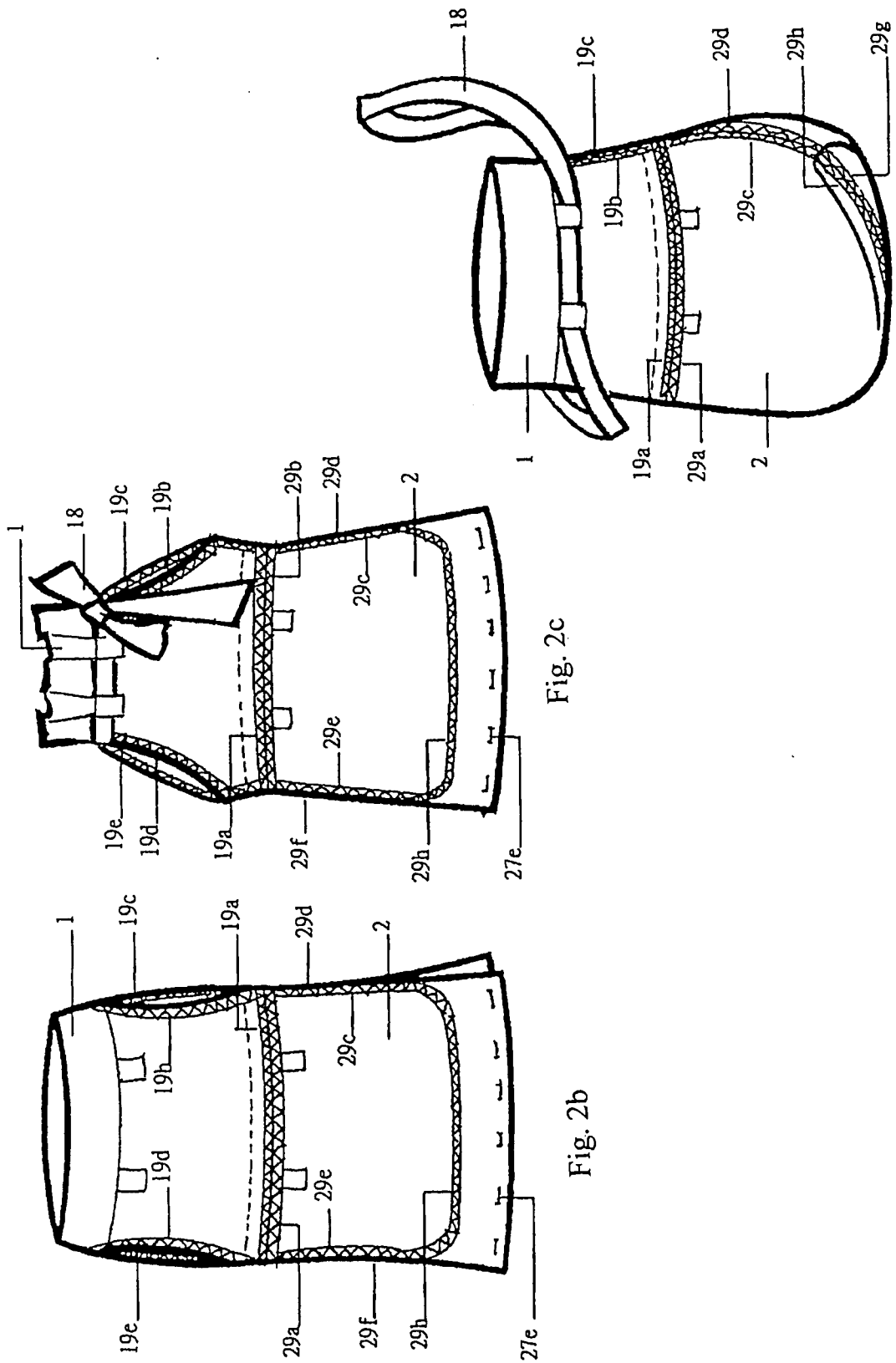


Fig. 2d

Fig. 2c

Fig. 2b

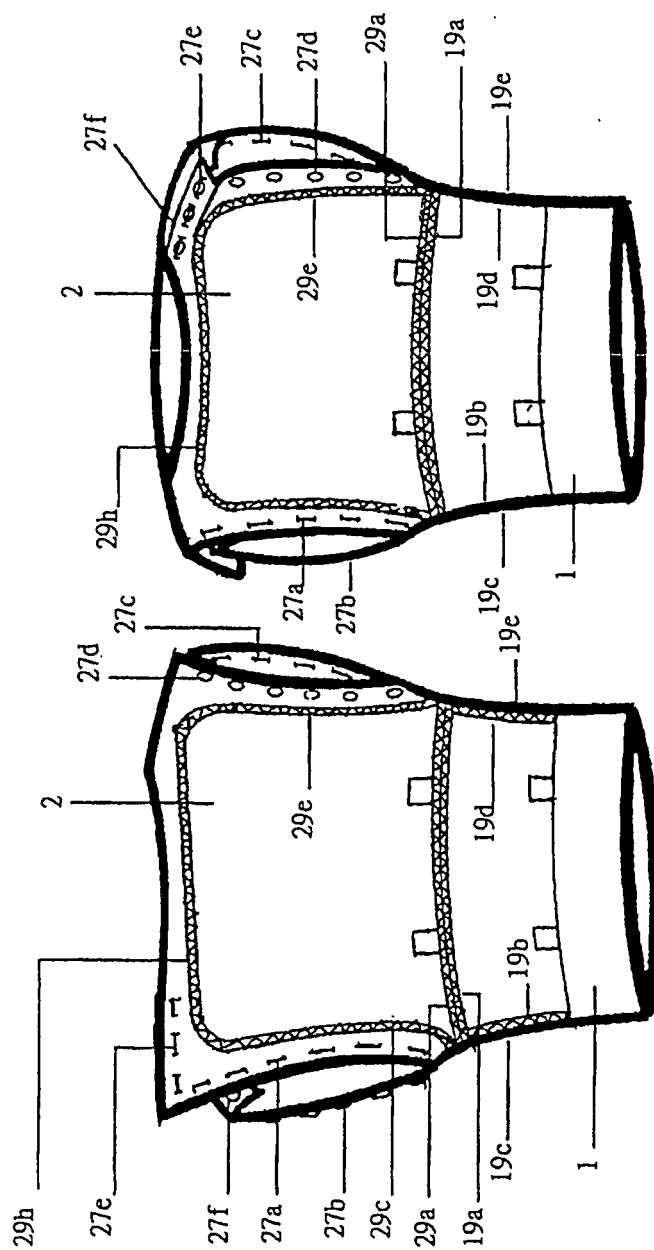


Fig. 2e

Fig. 2e-1

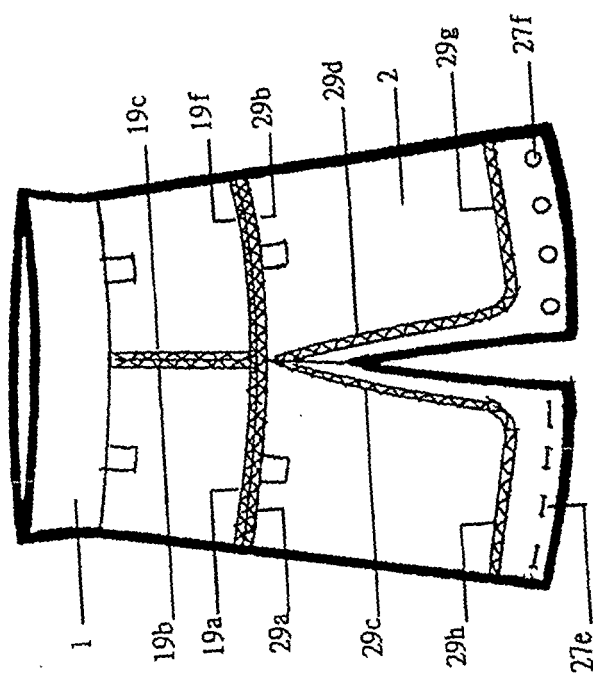


Fig. 2f

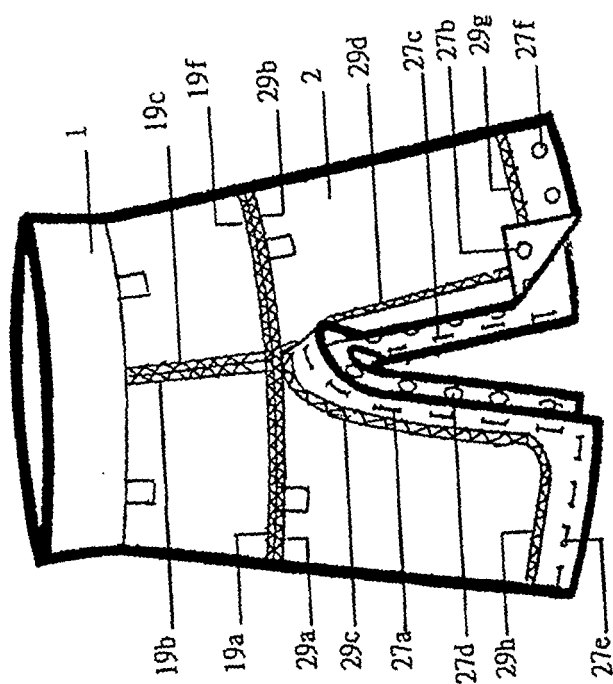
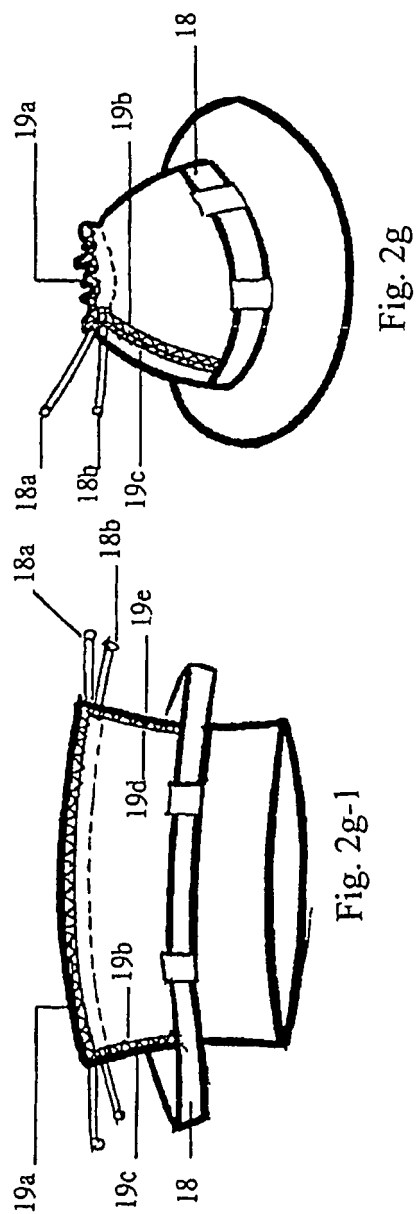


Fig. 2f-1



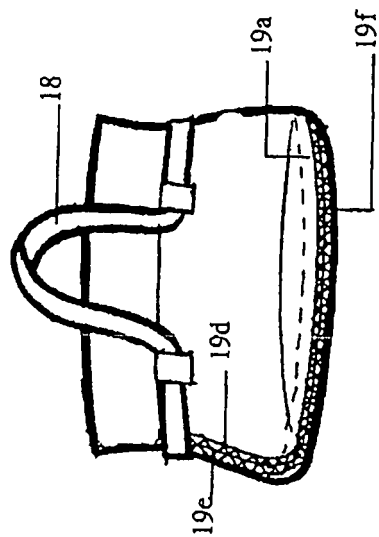


Fig. 2h

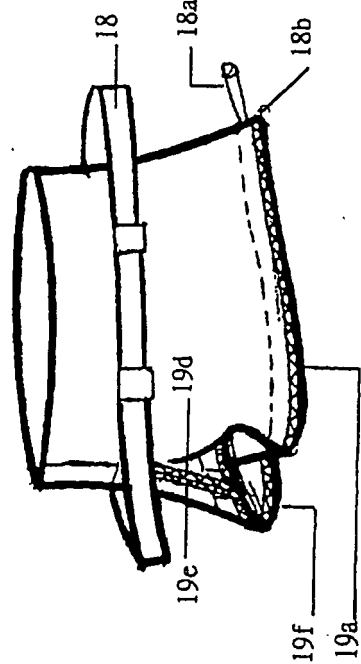
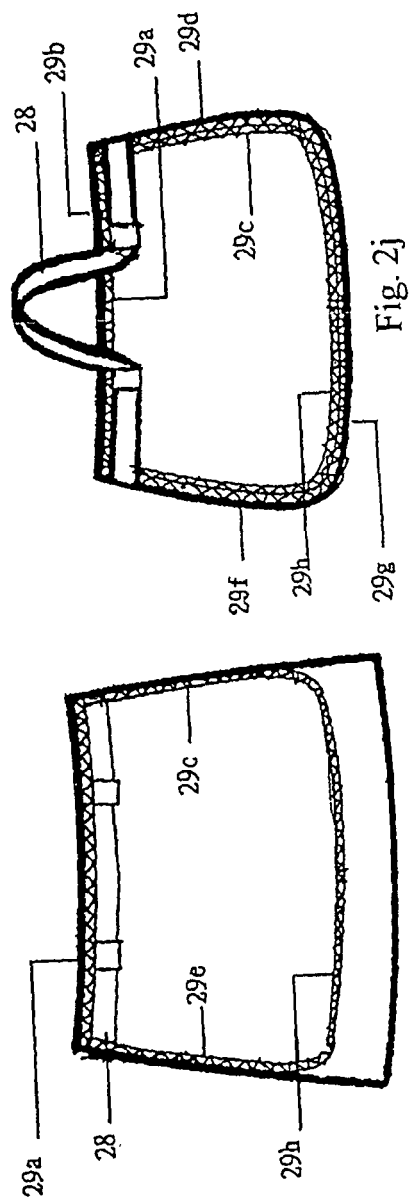
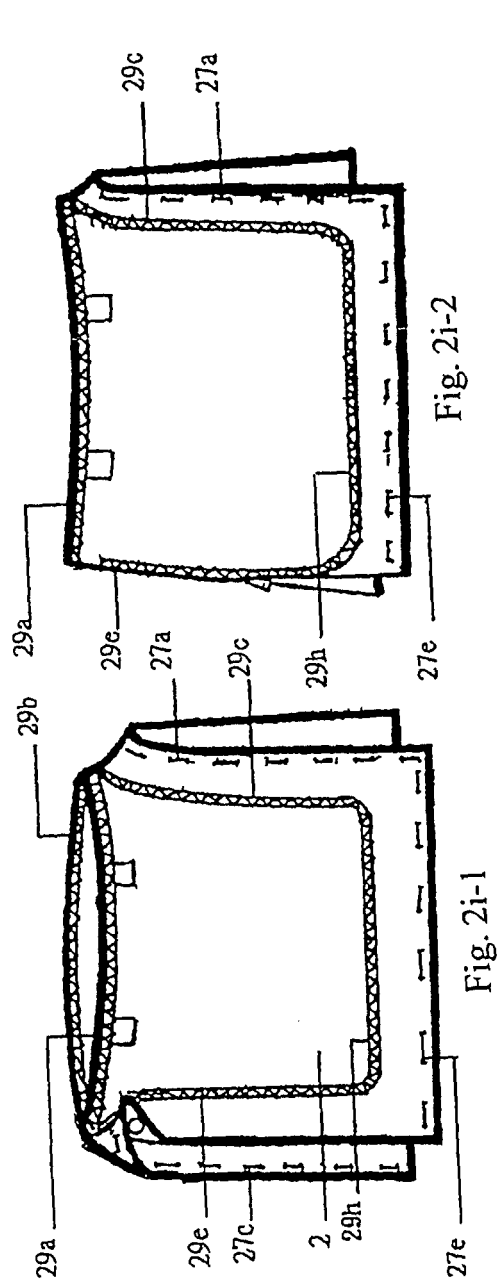


Fig. 2h-1



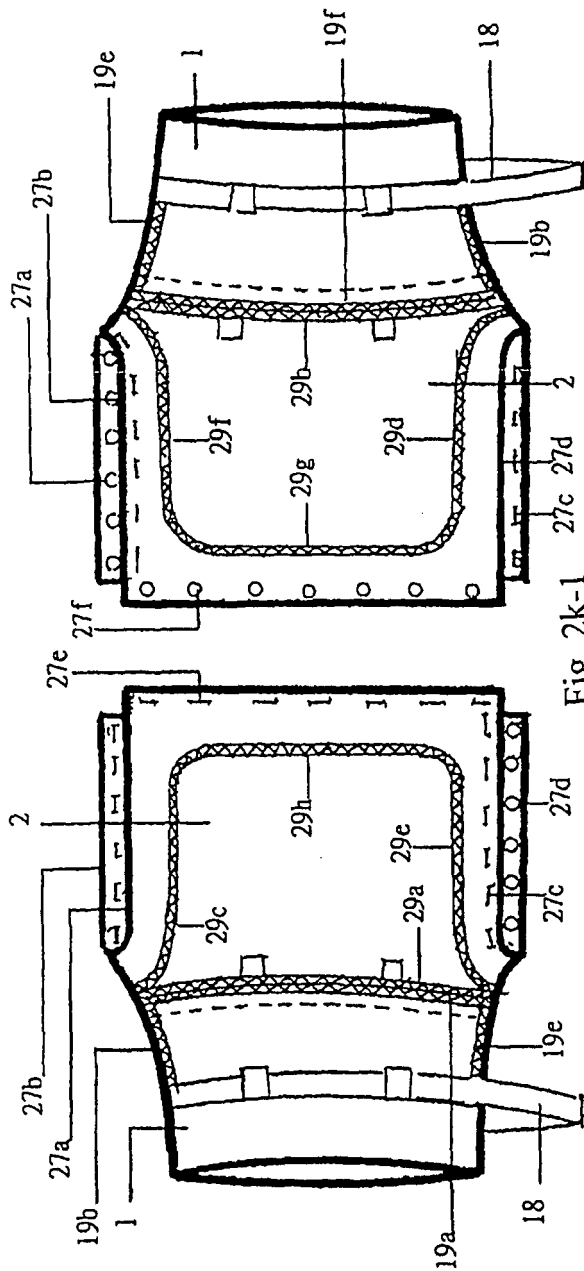


Fig. 2k-1

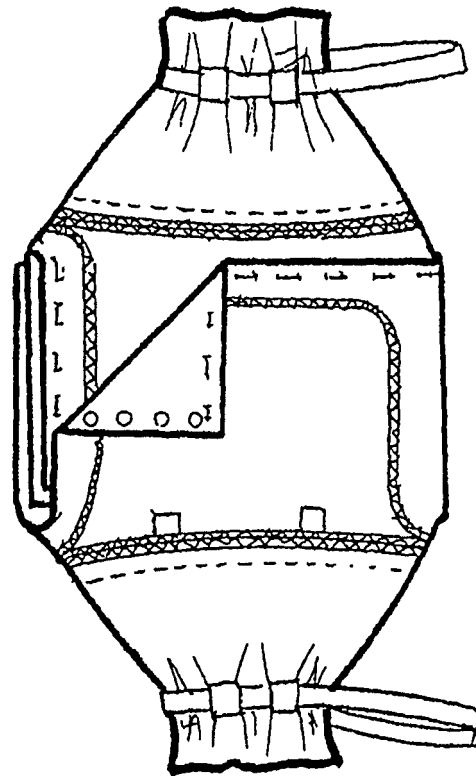


Fig. 2k

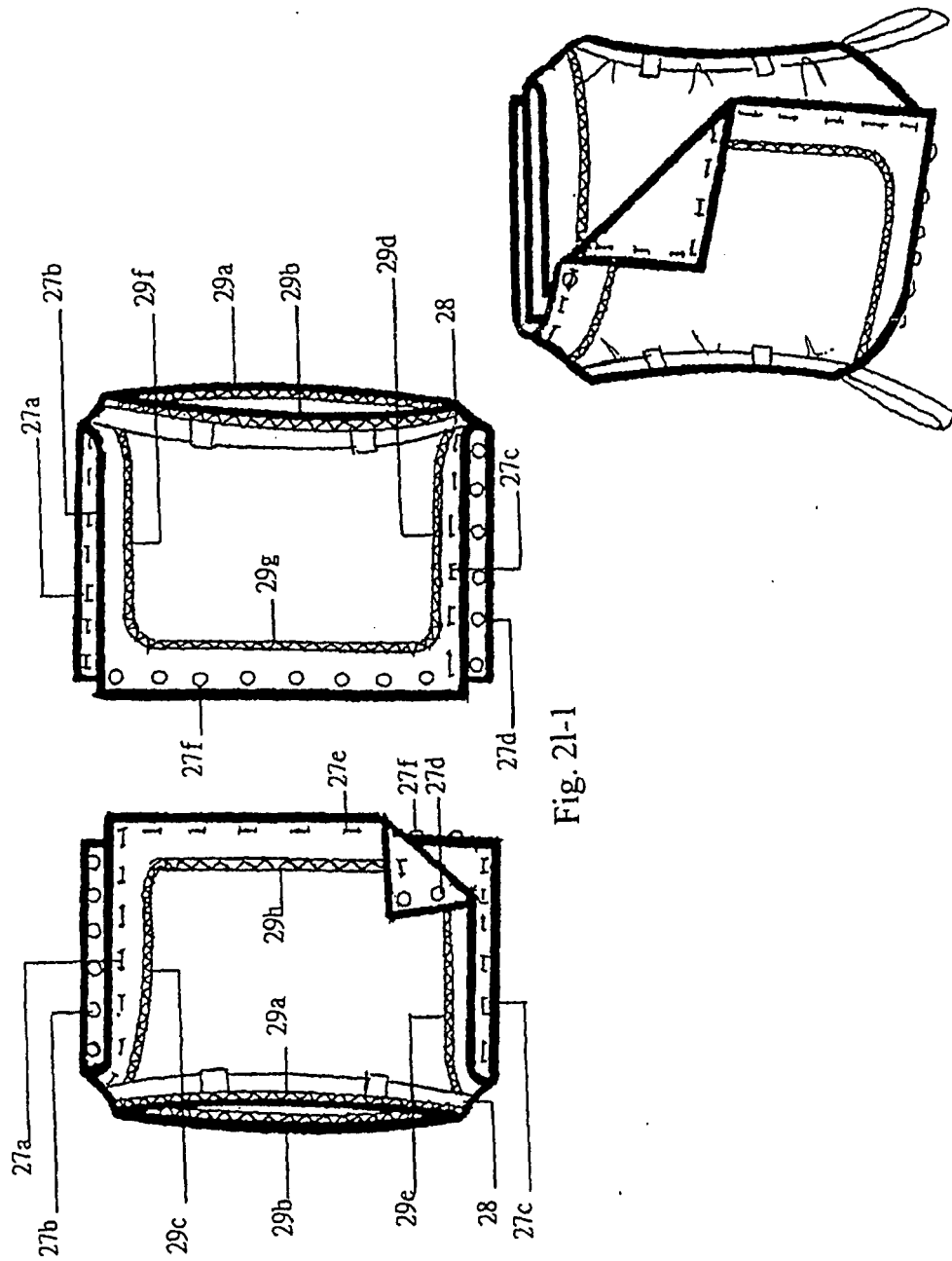


Fig. 21-1

Fig. 21

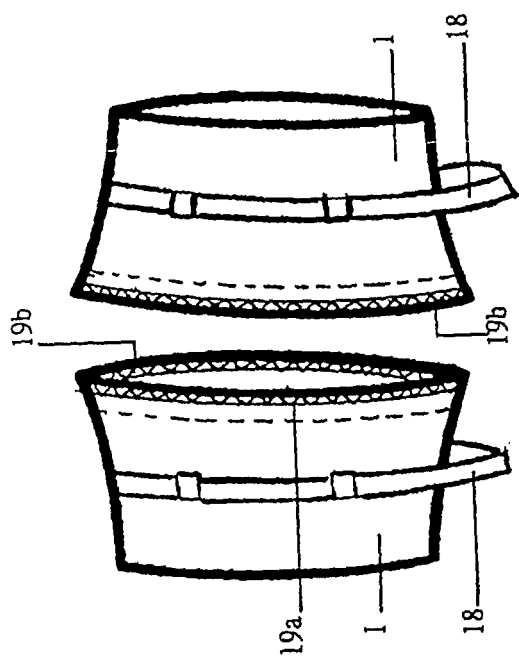


Fig. 2m-1

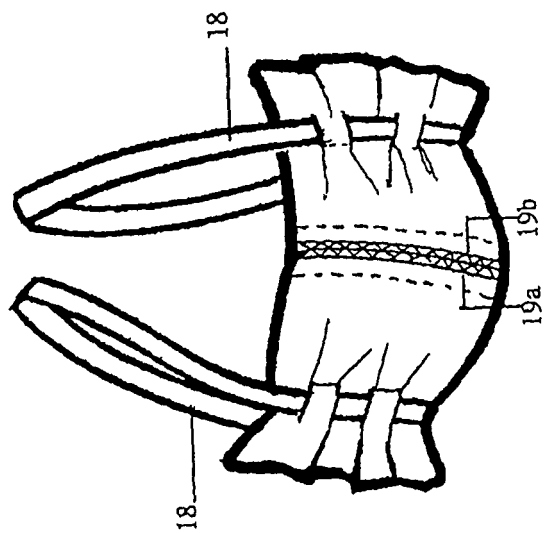


Fig. 2m

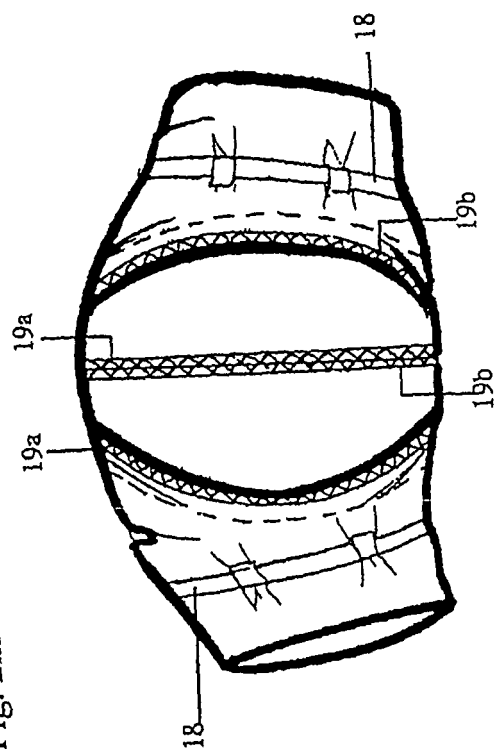


Fig. 2n

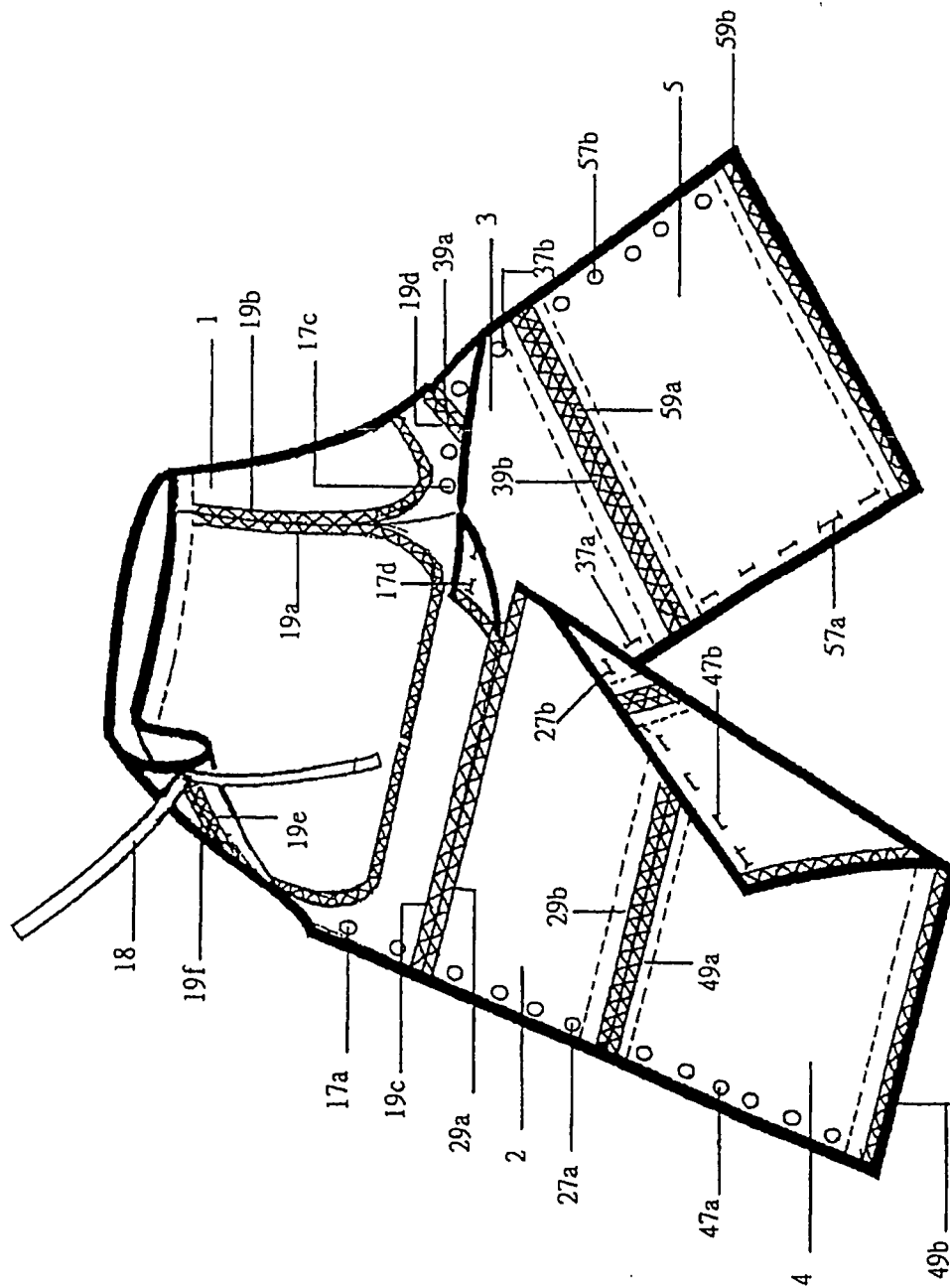


Fig. 3

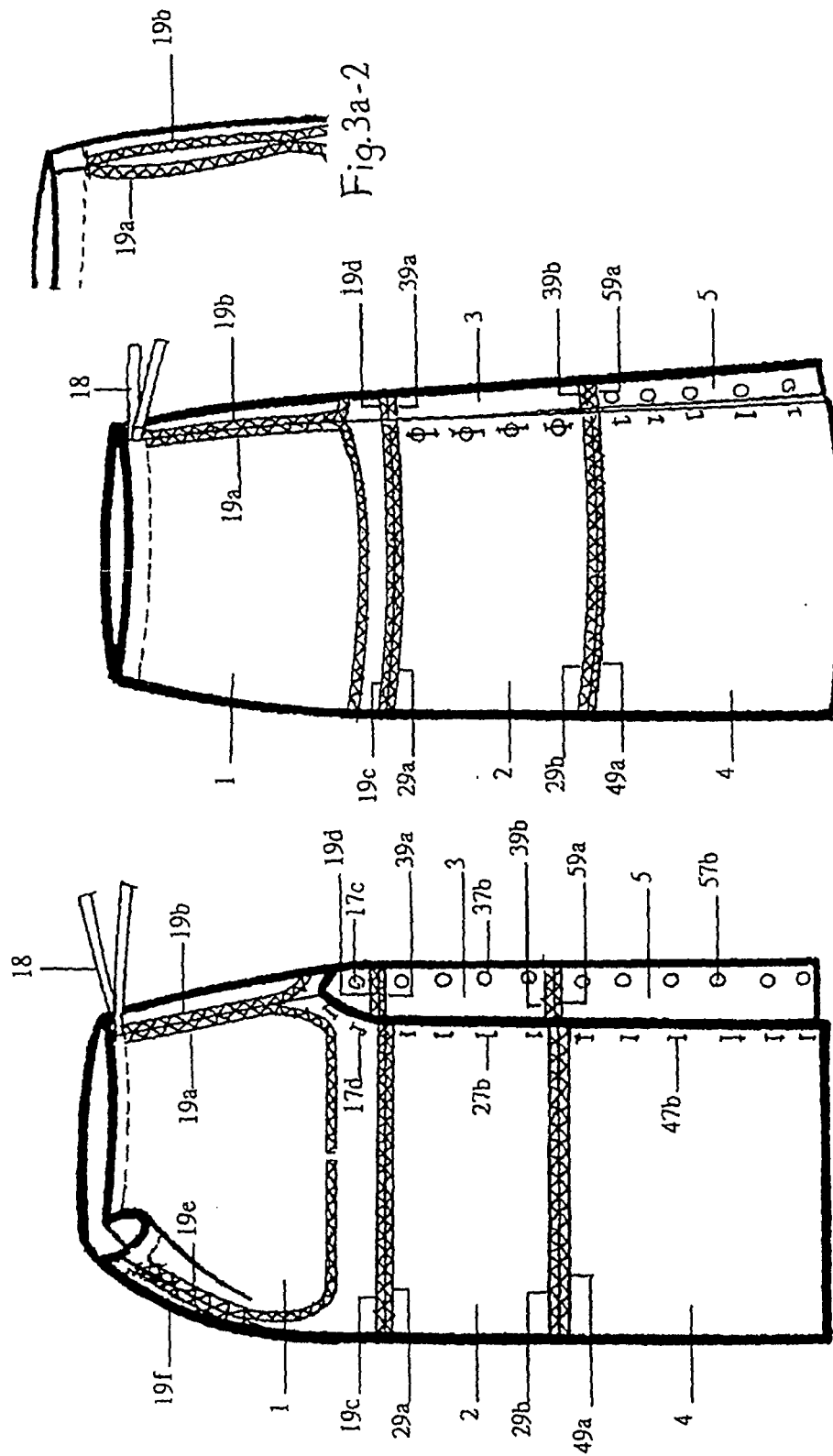


Fig. 3a

Fig. 3a-1

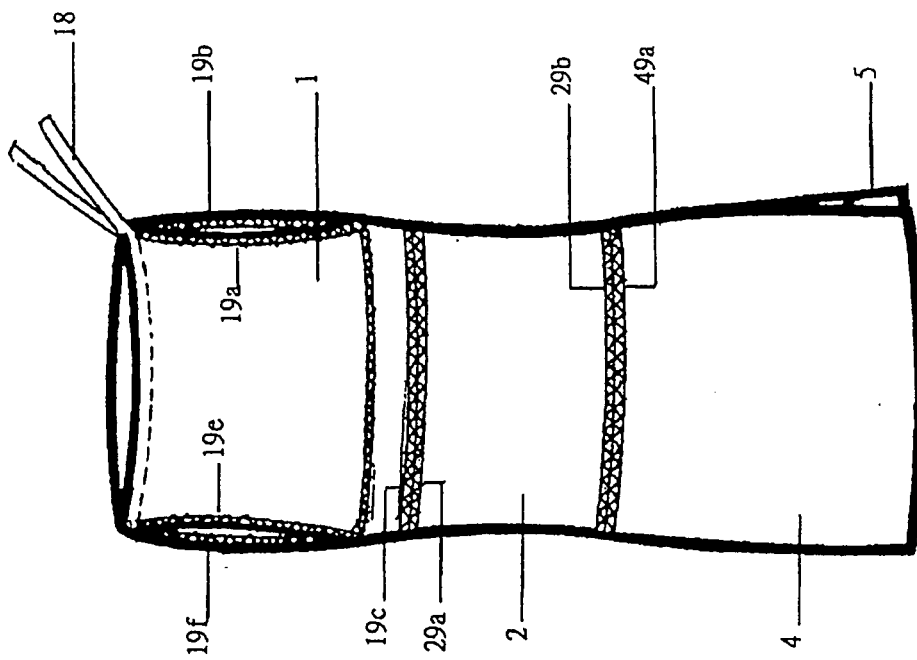


Fig. 3b

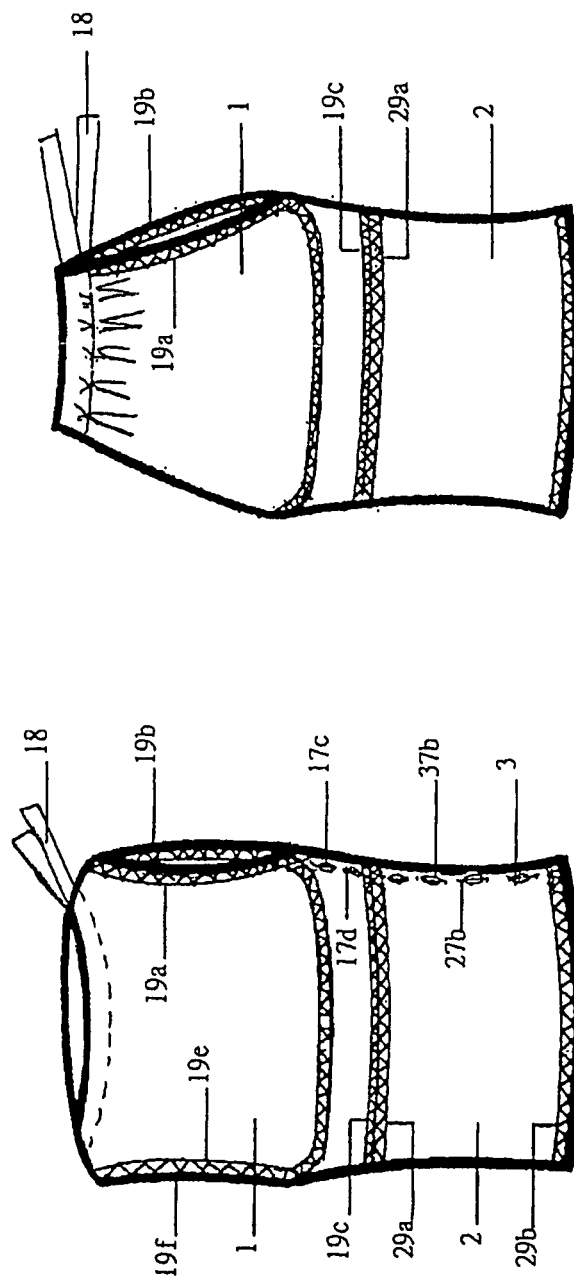


Fig. 3d

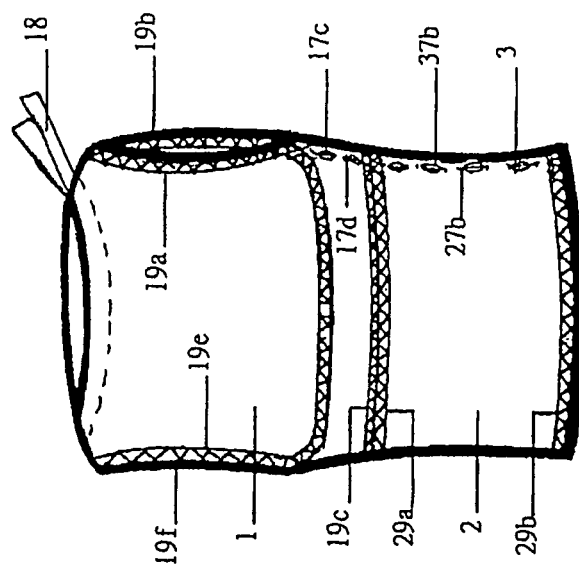
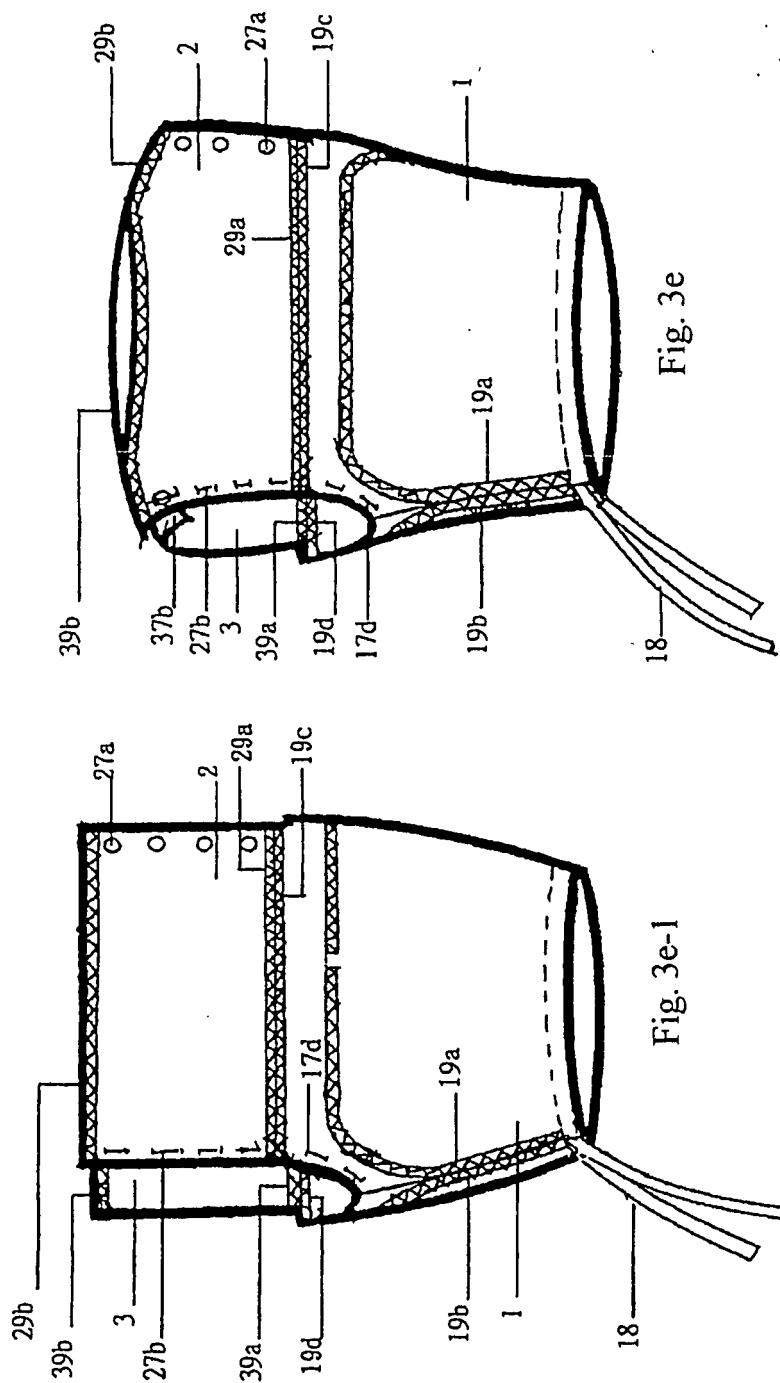
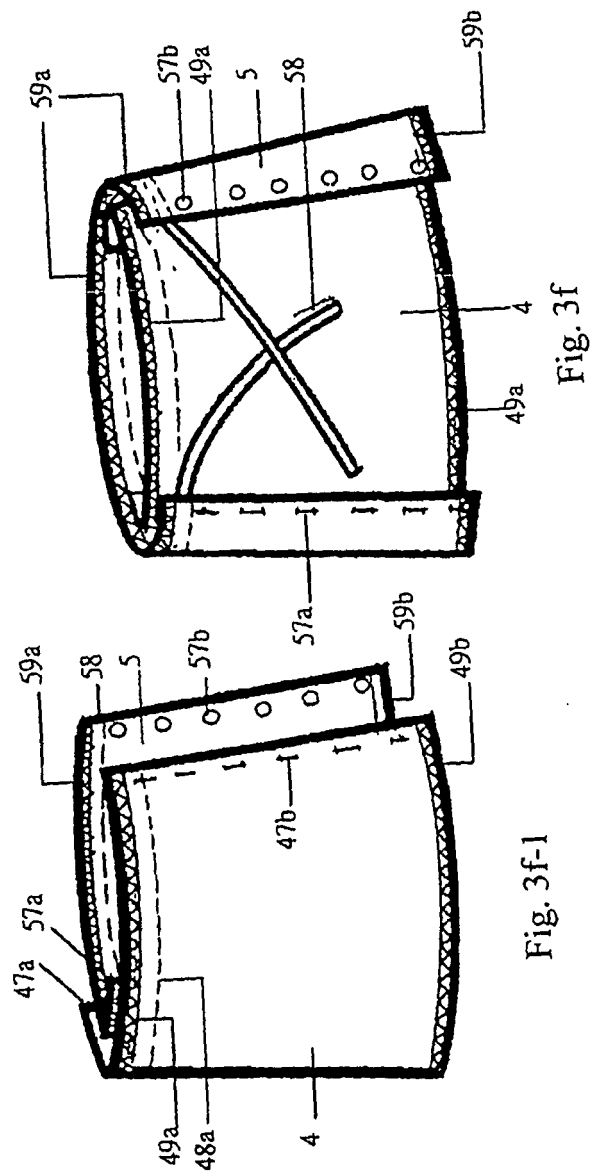


Fig. 3c





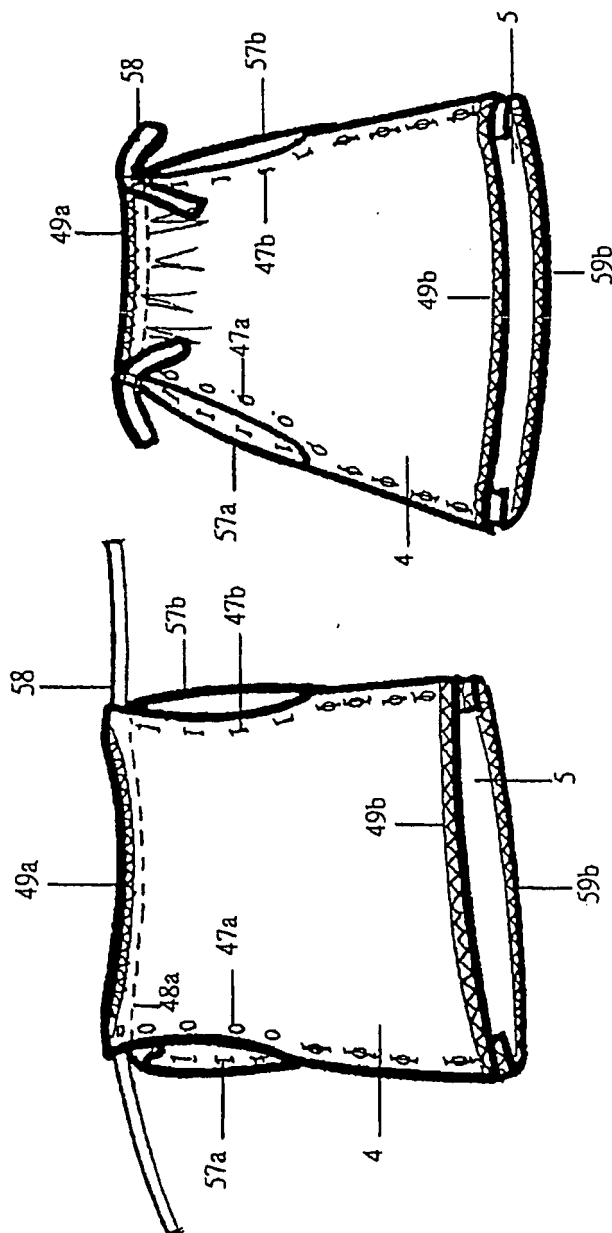


Fig. 3h

Fig. 3g

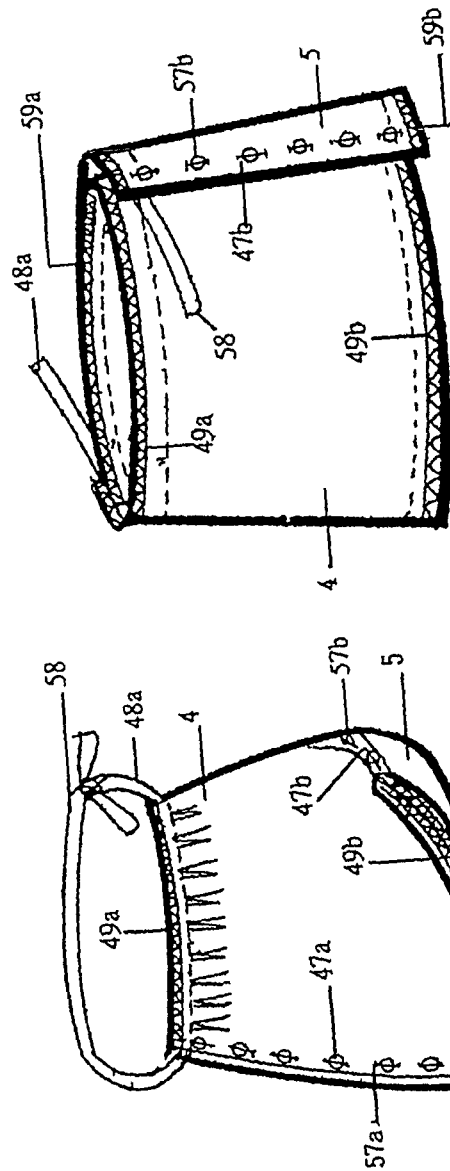


Fig. 3i-l

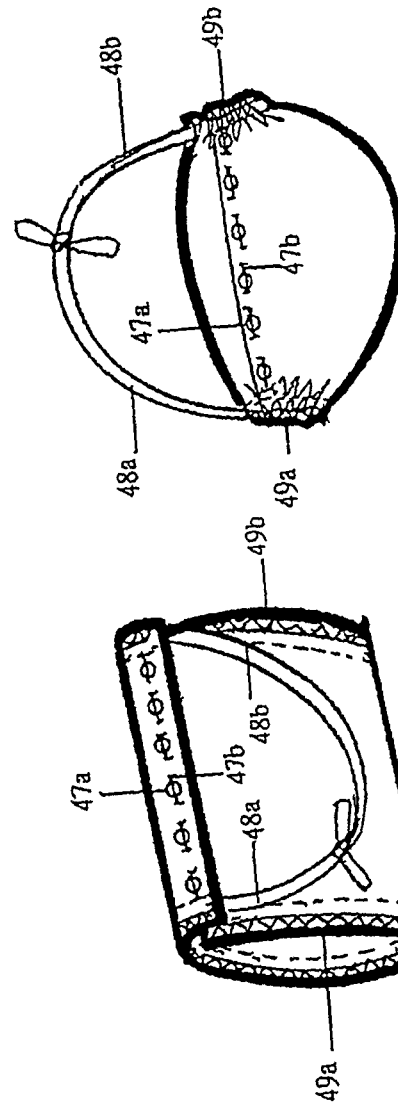
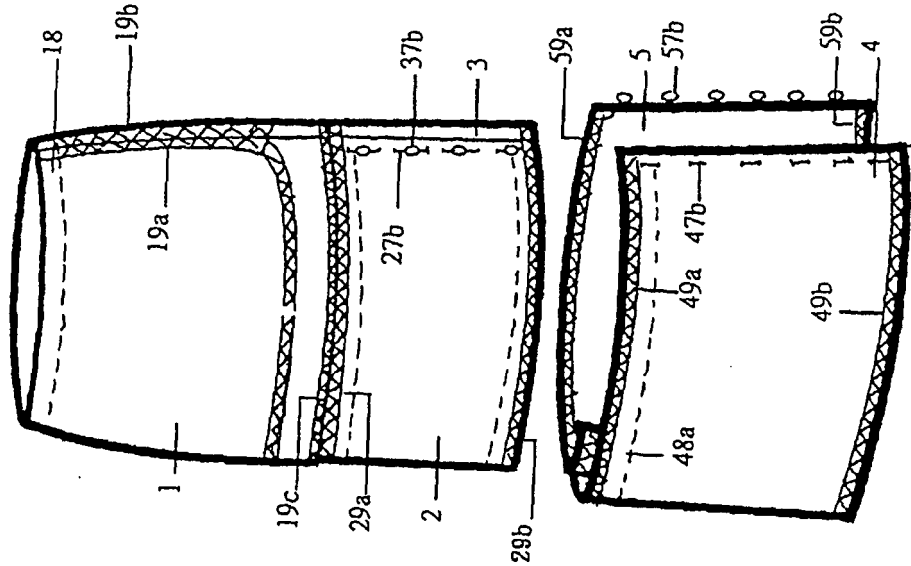
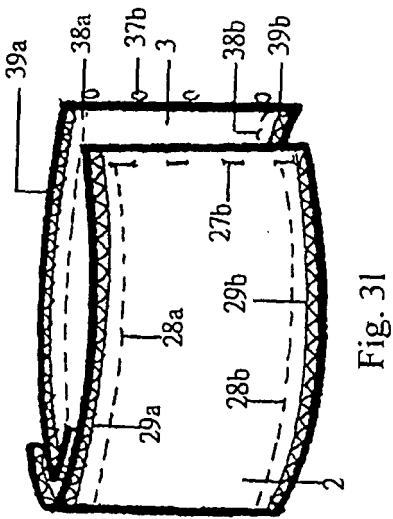
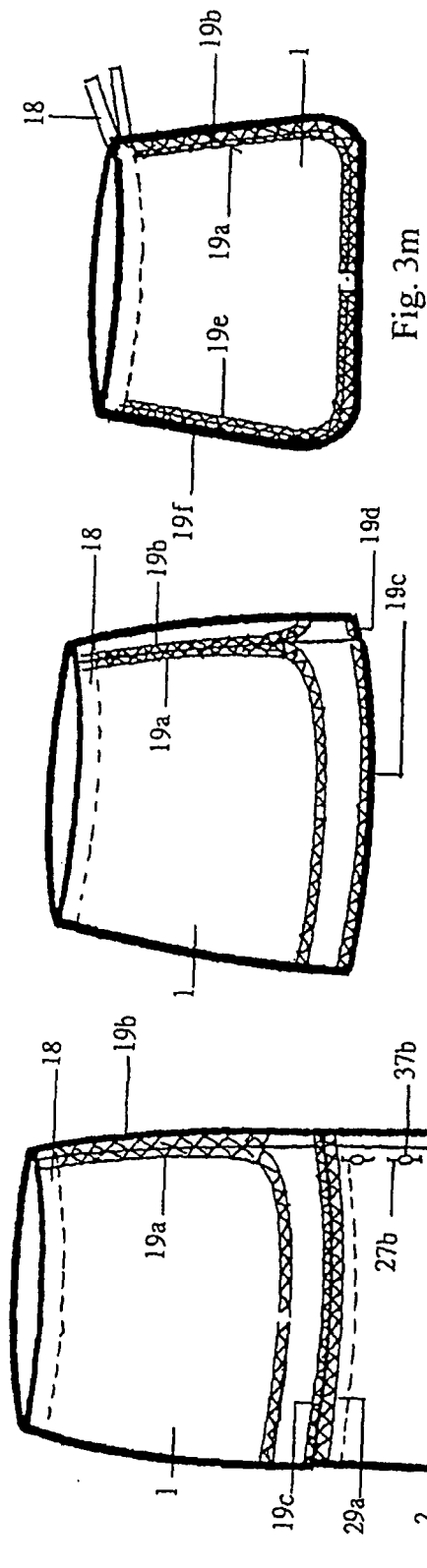
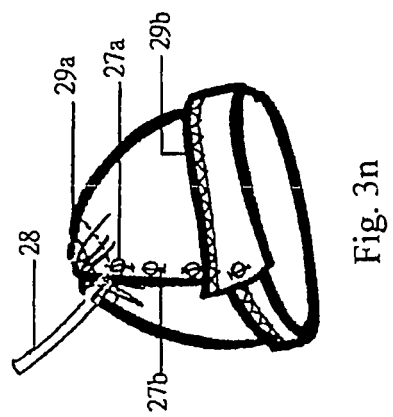
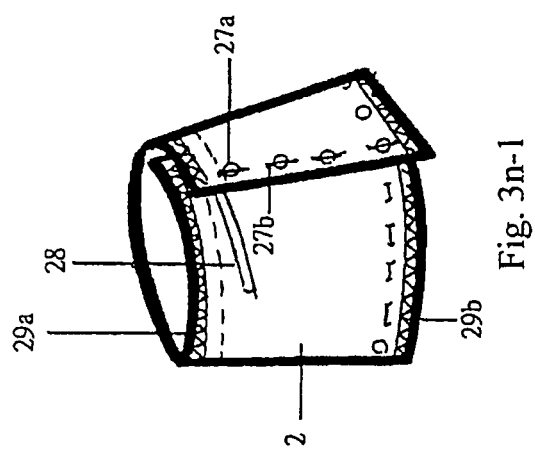


Fig. 3j

Fig. 3i

Fig. 3j-l





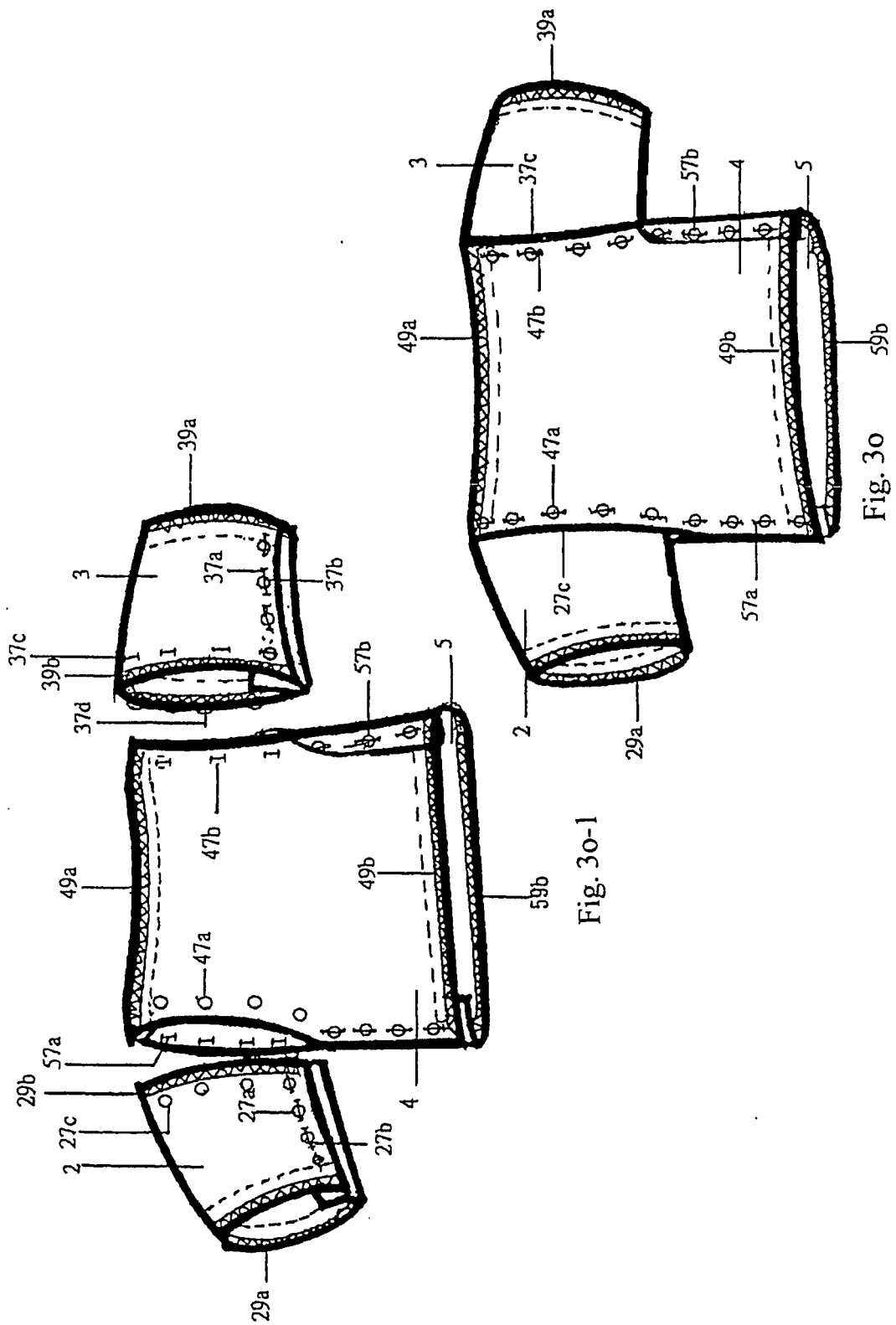


Fig. 30-1

Fig. 30

Fig. 30b

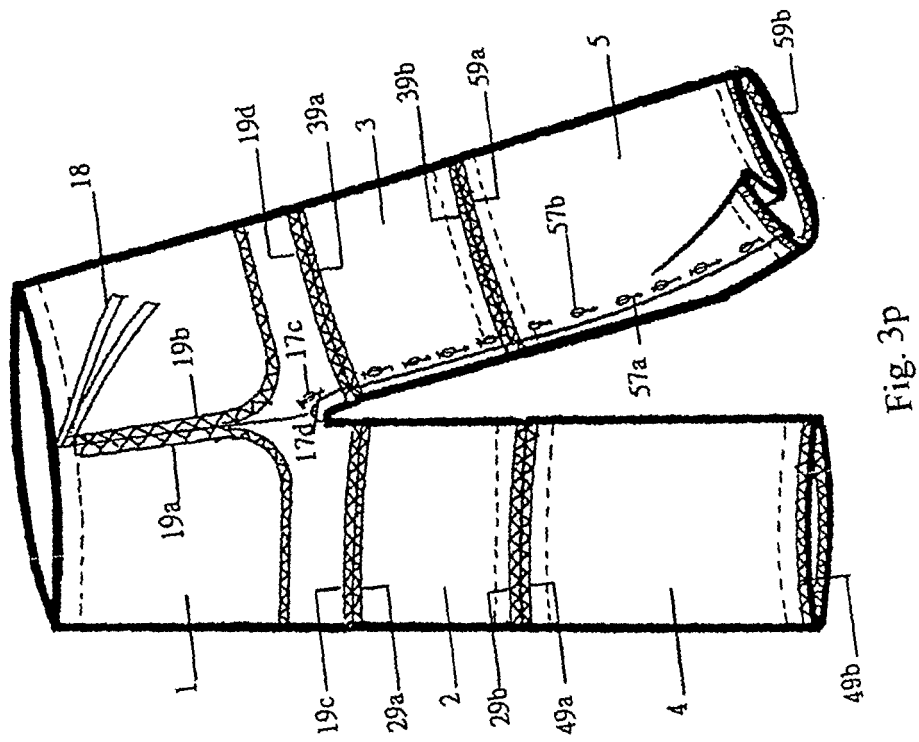


Fig. 3p

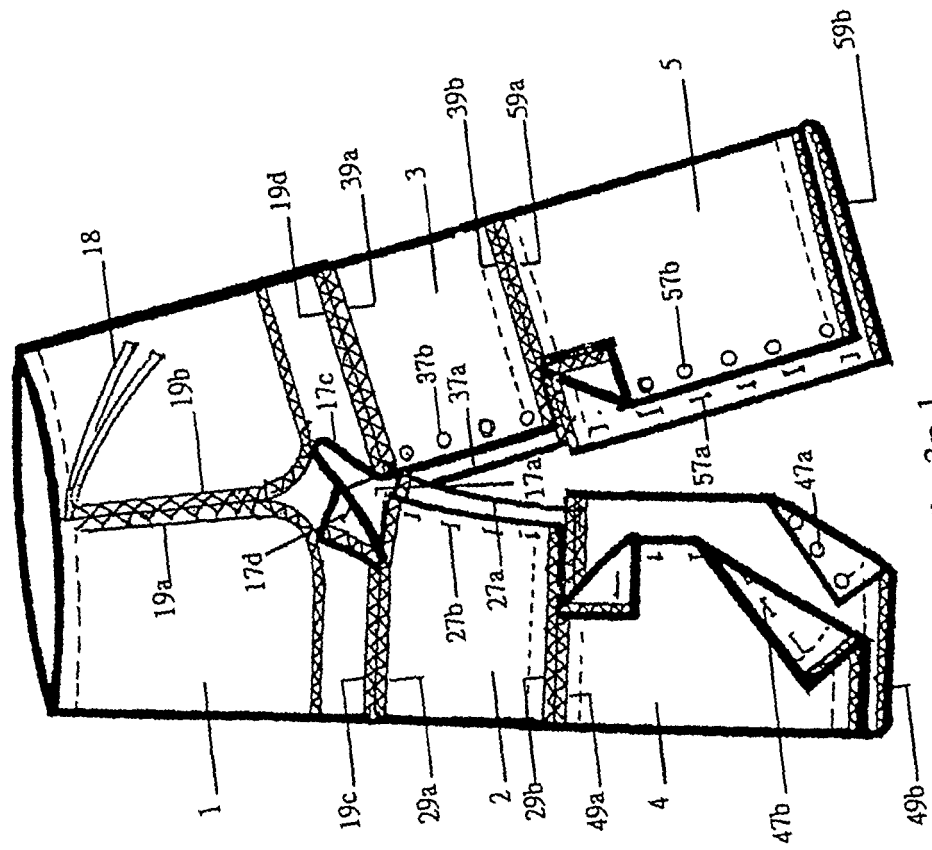


Fig. 3p-1

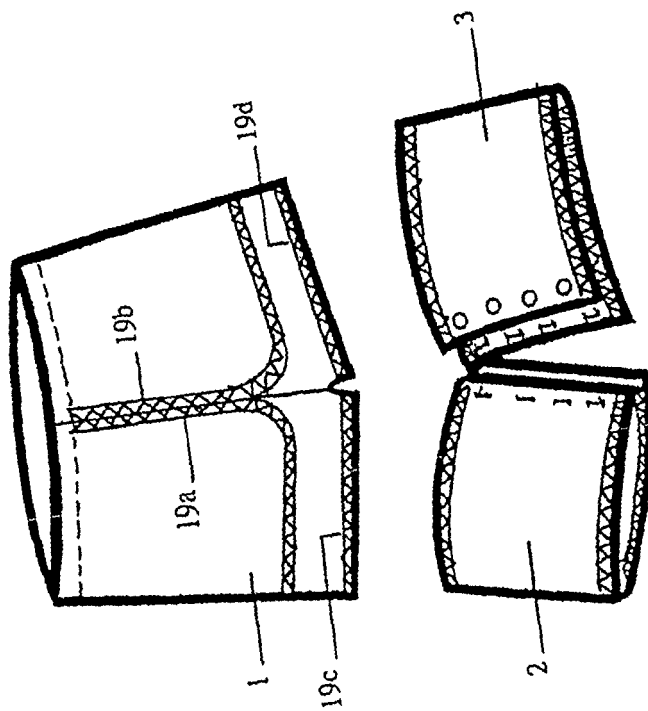


Fig. 3r

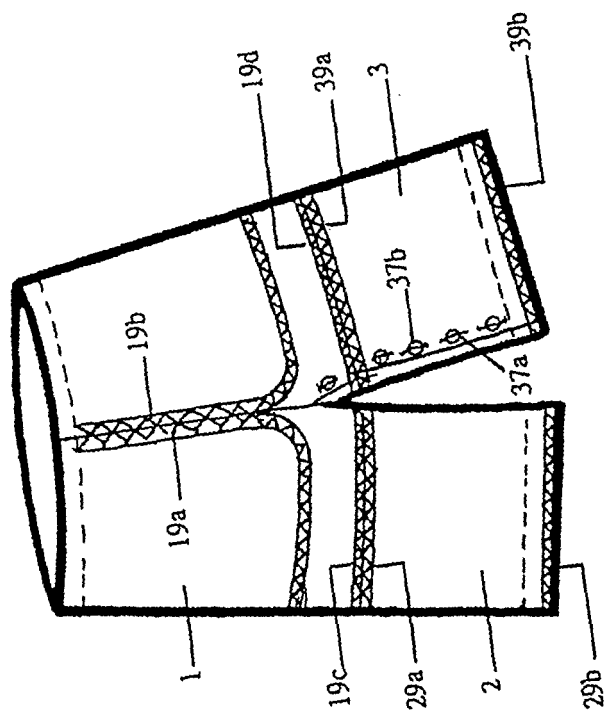
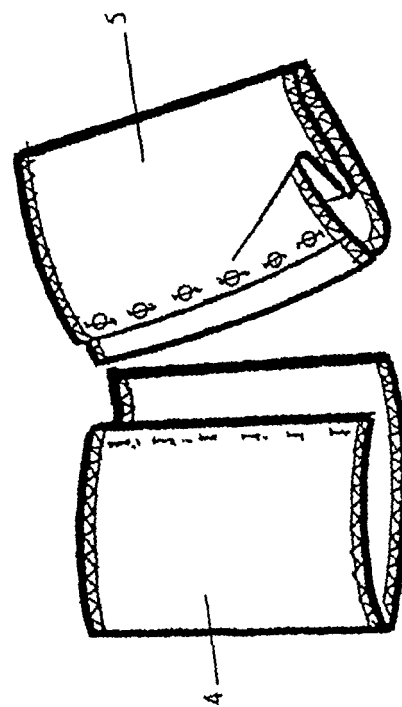
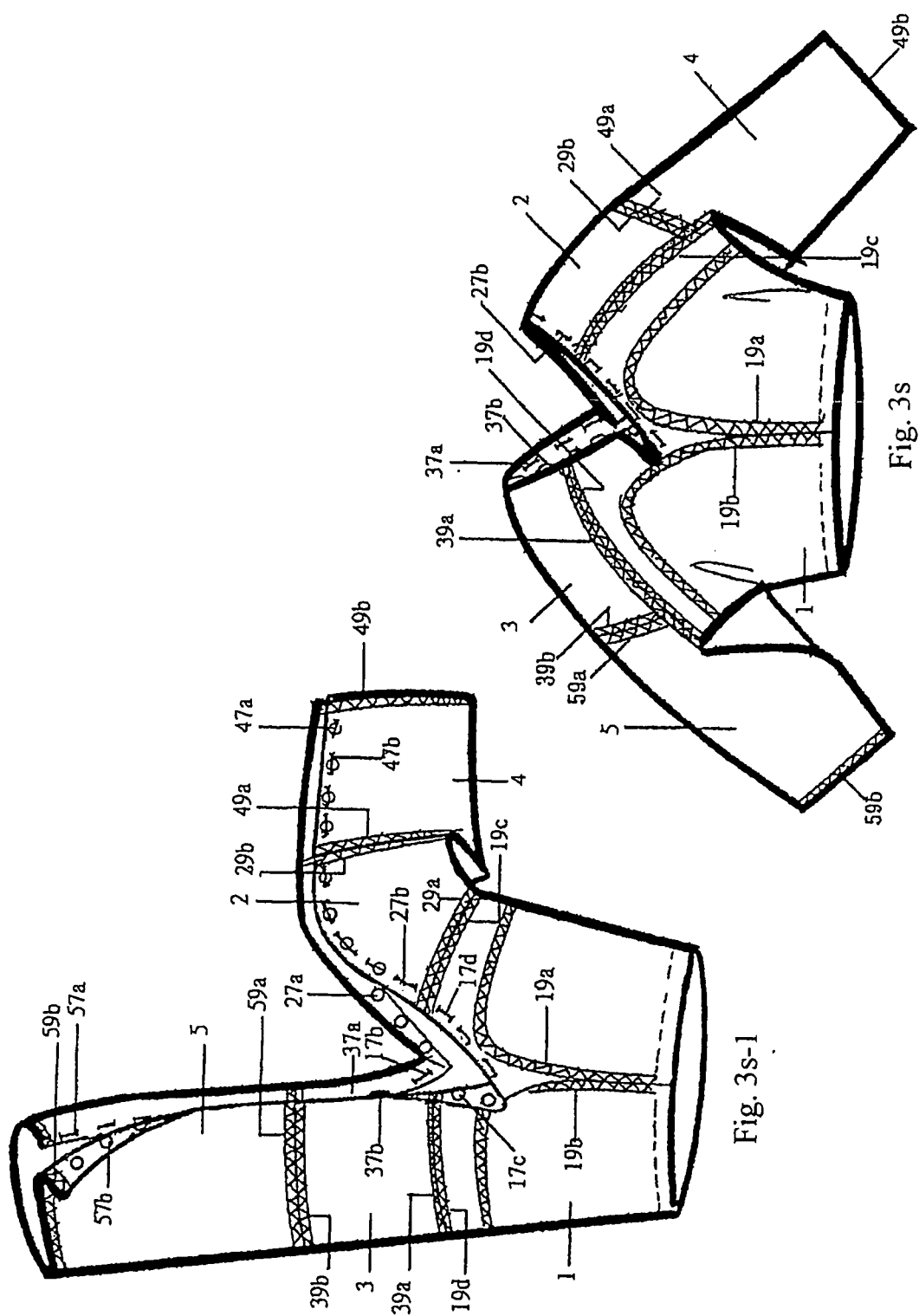


Fig. 3q





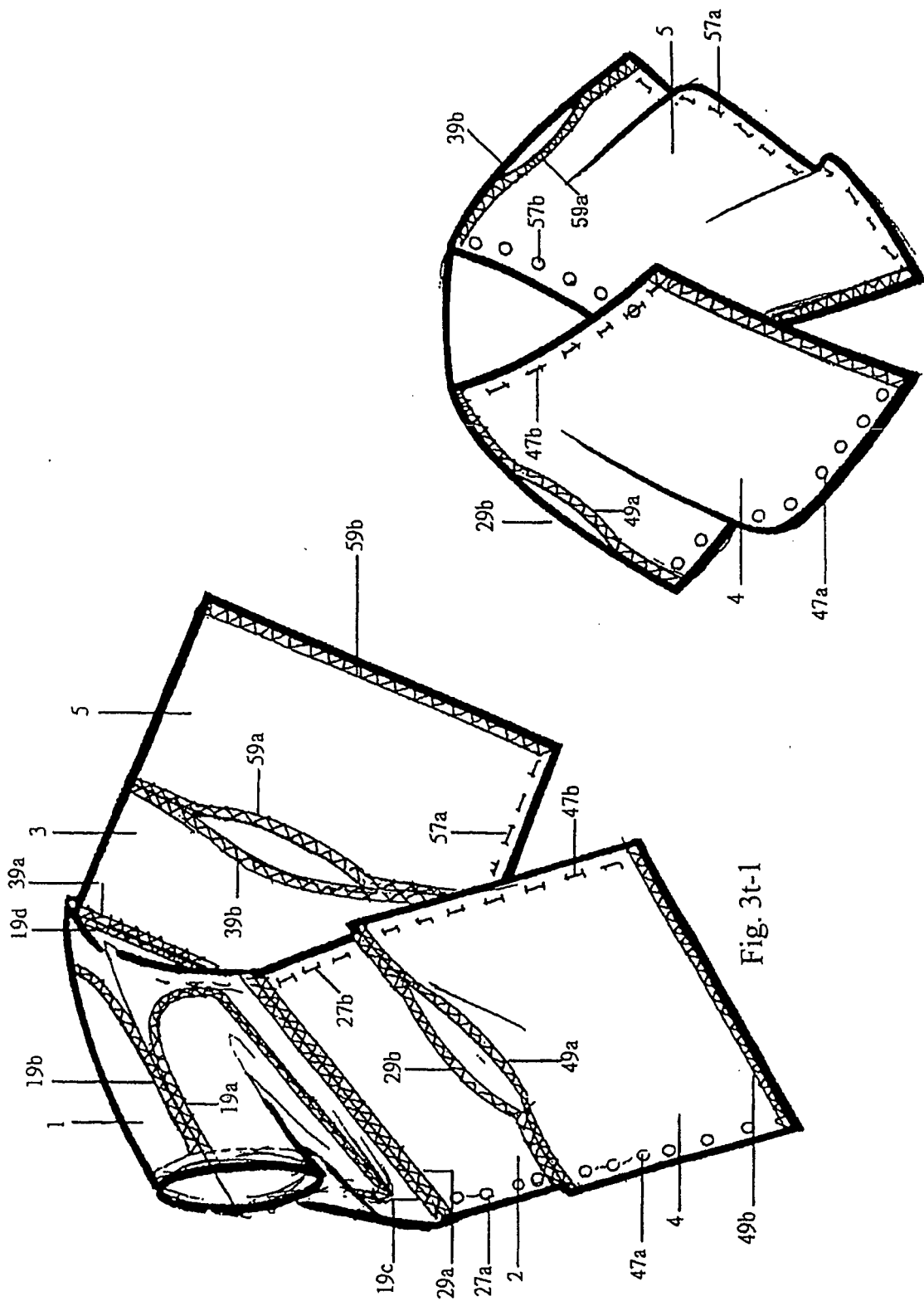
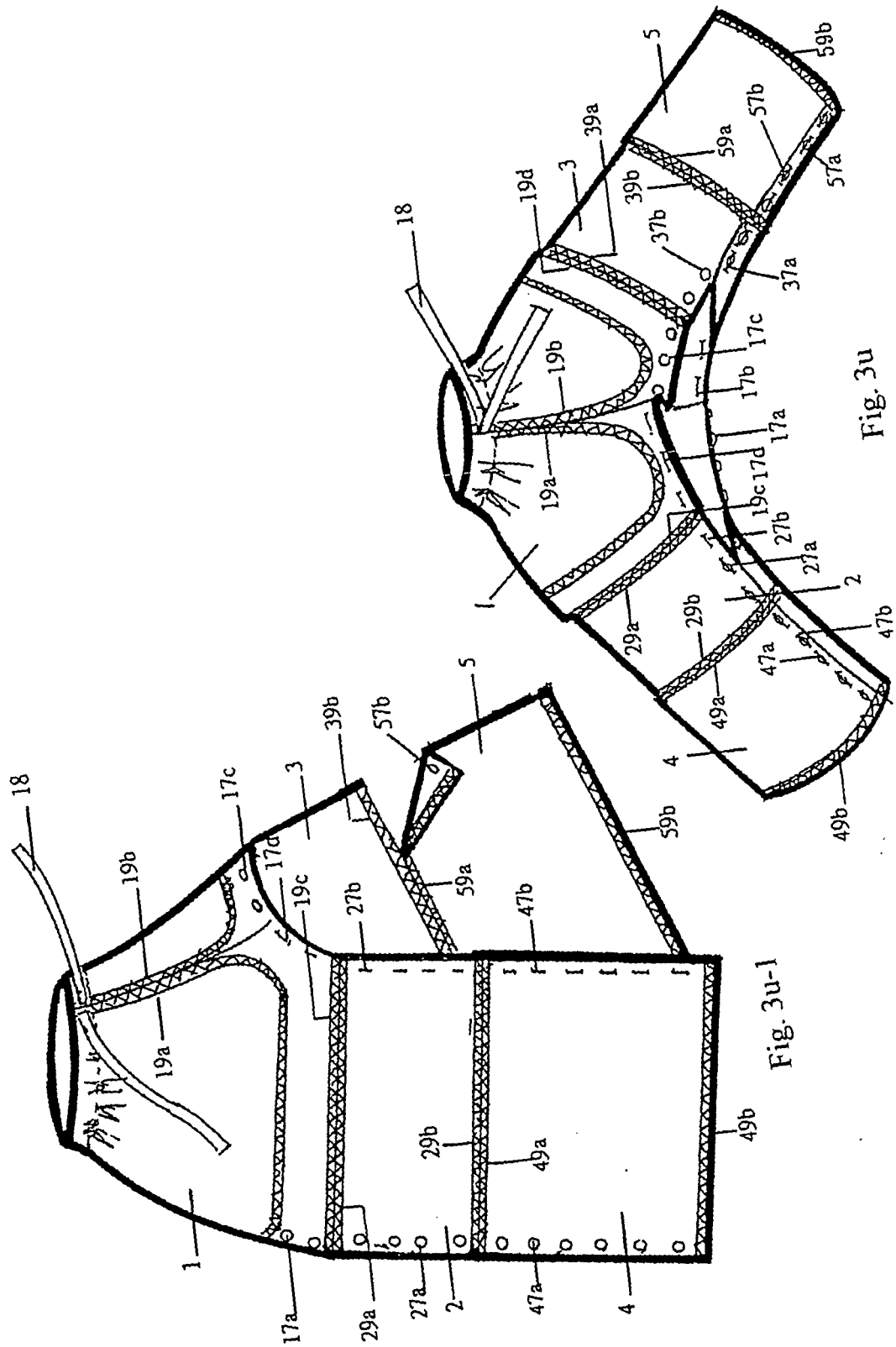


Fig. 3t



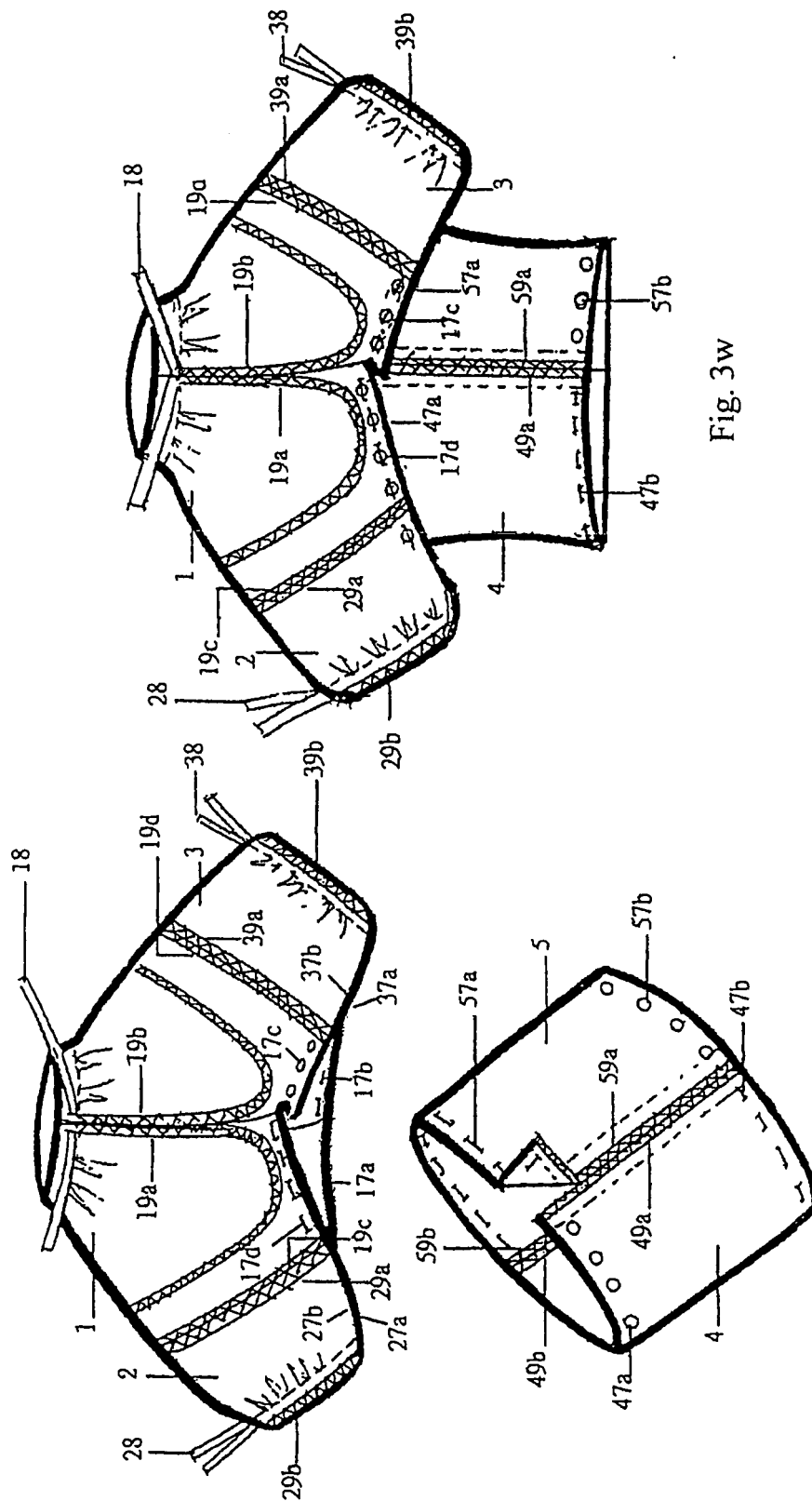


Fig. 3w

Fig. 3v

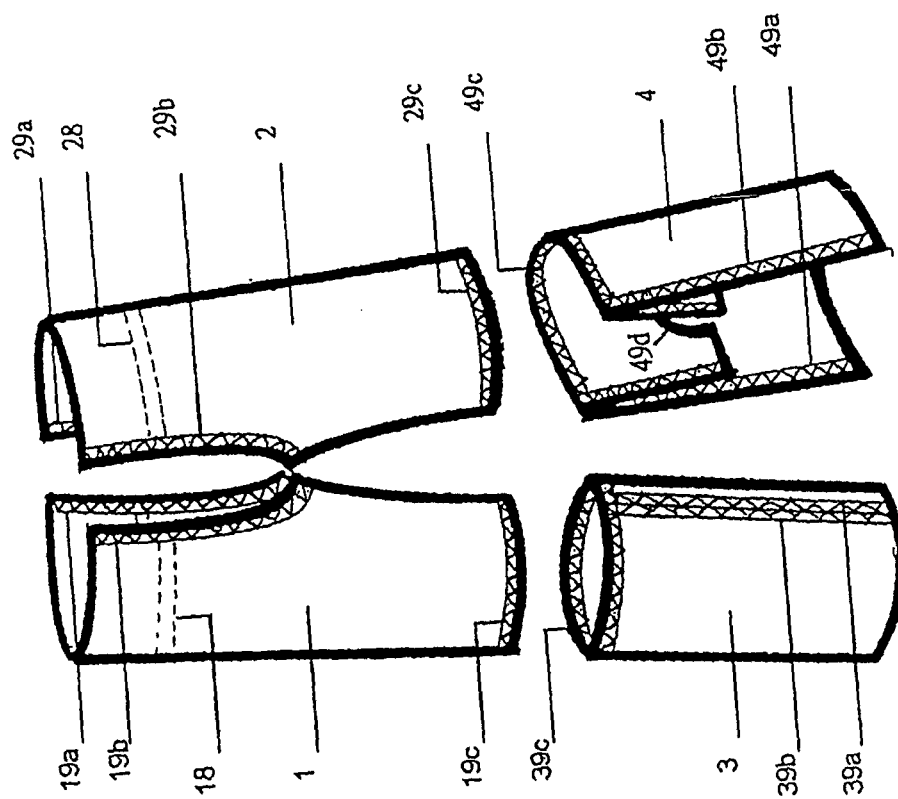


Fig. 4

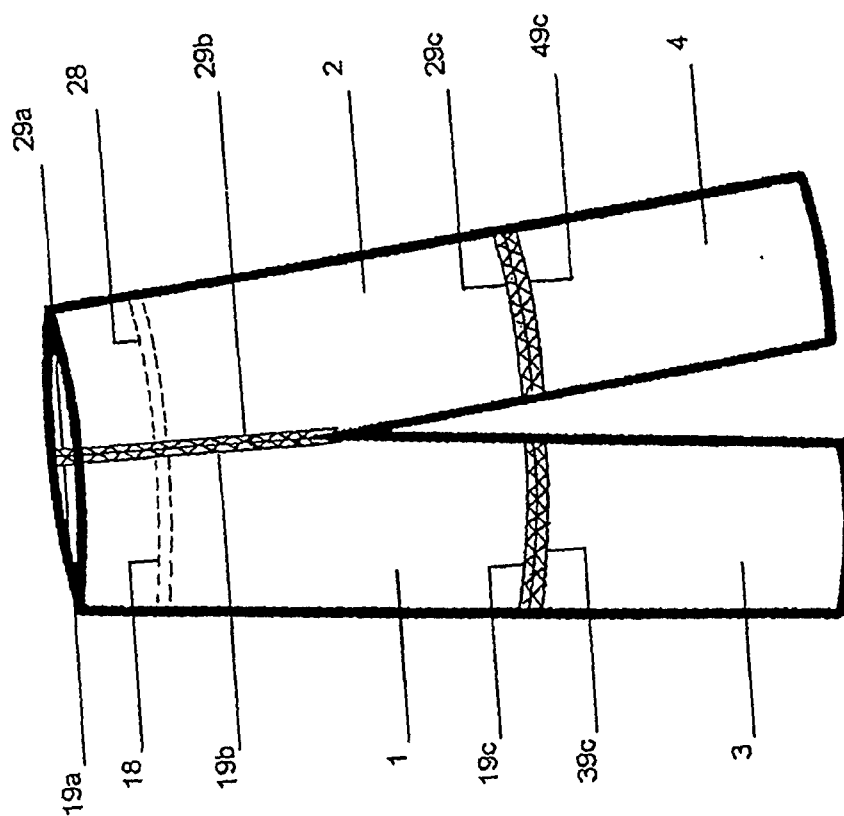


Fig. 4a

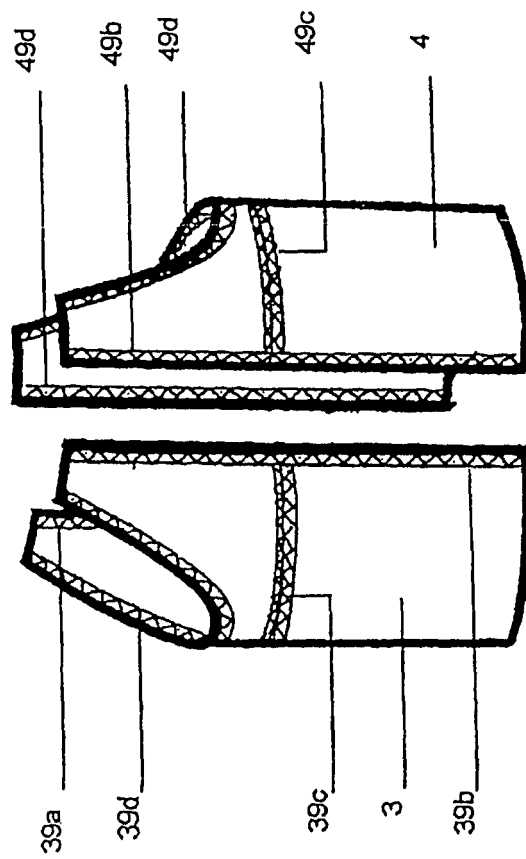


Fig. 4b

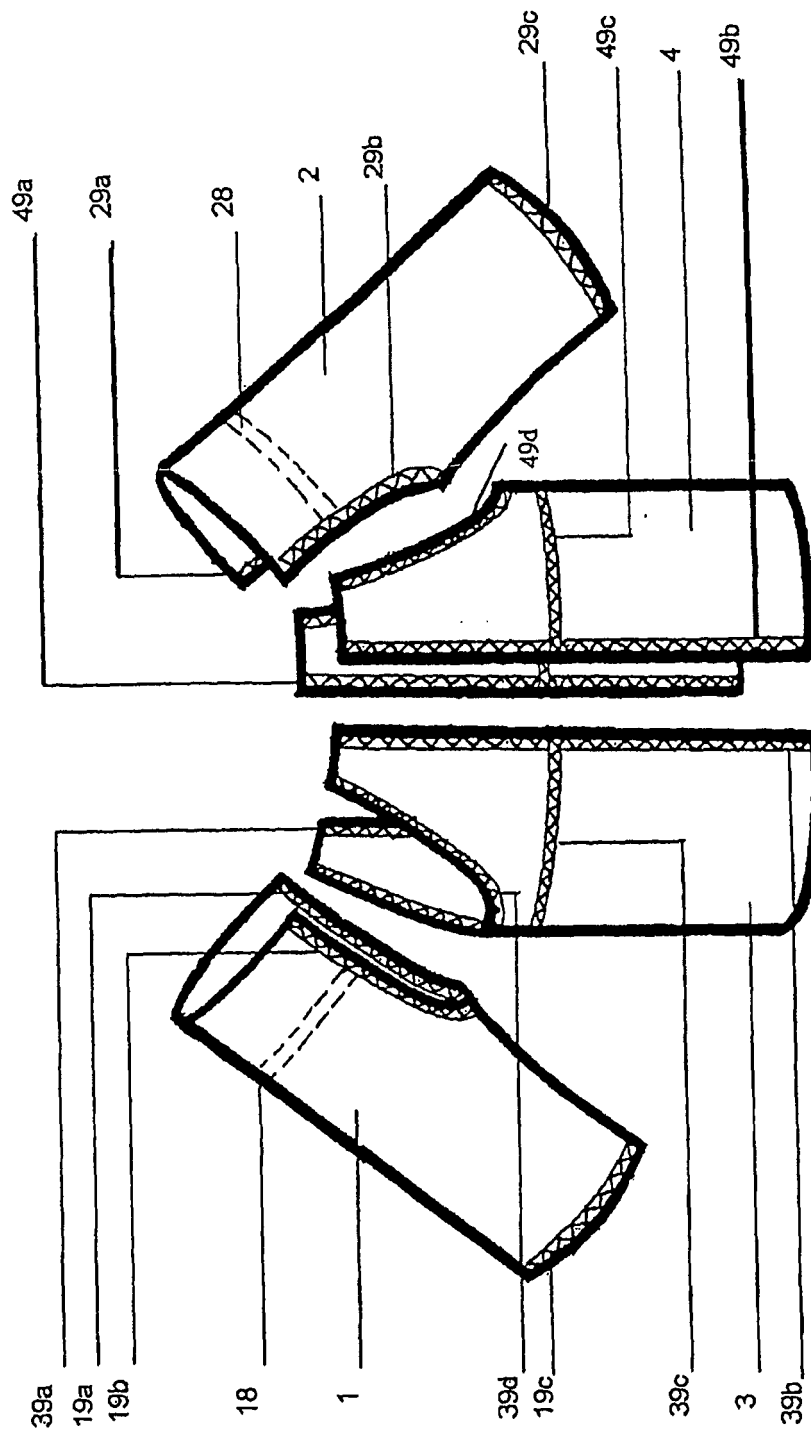


Fig. 4c

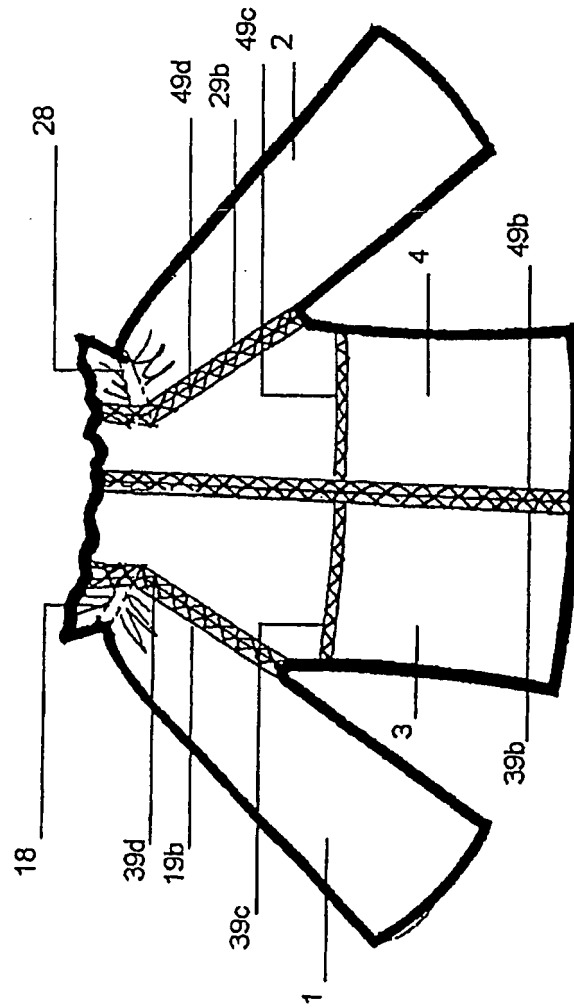


Fig. 4d

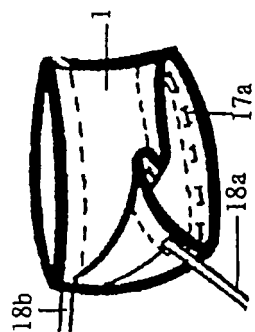


Fig. 5a

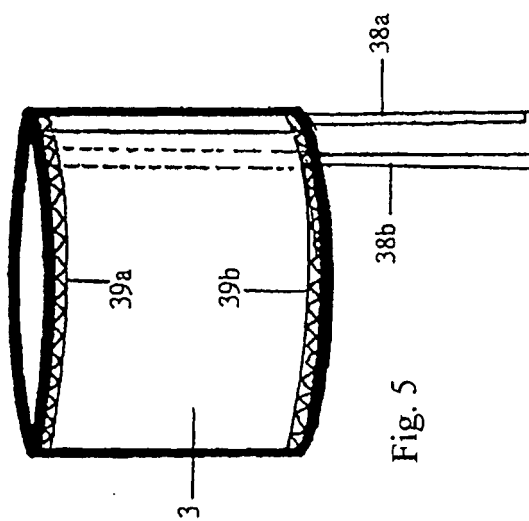
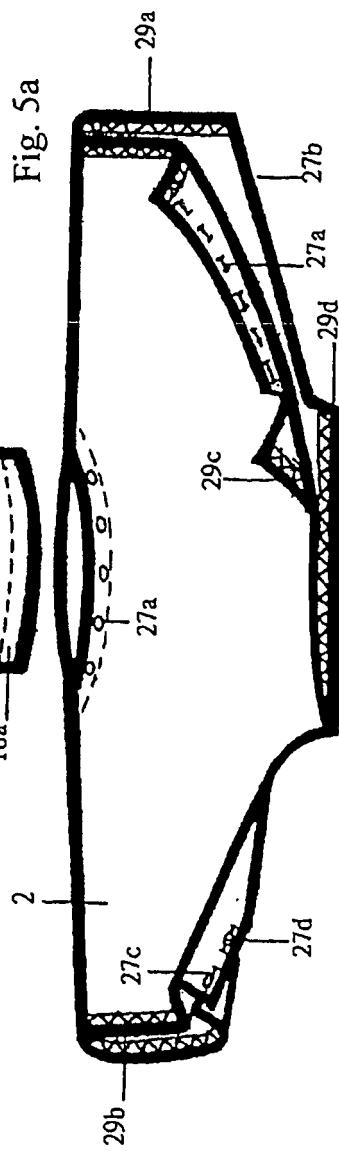
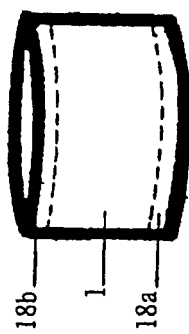


Fig. 5

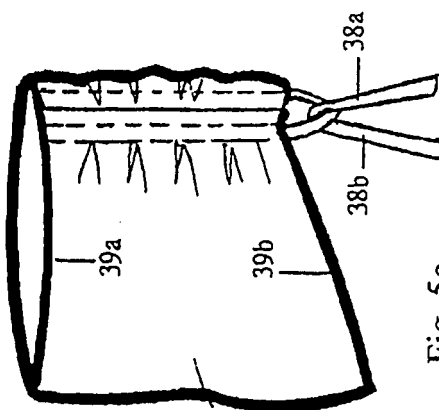


Fig. 5c

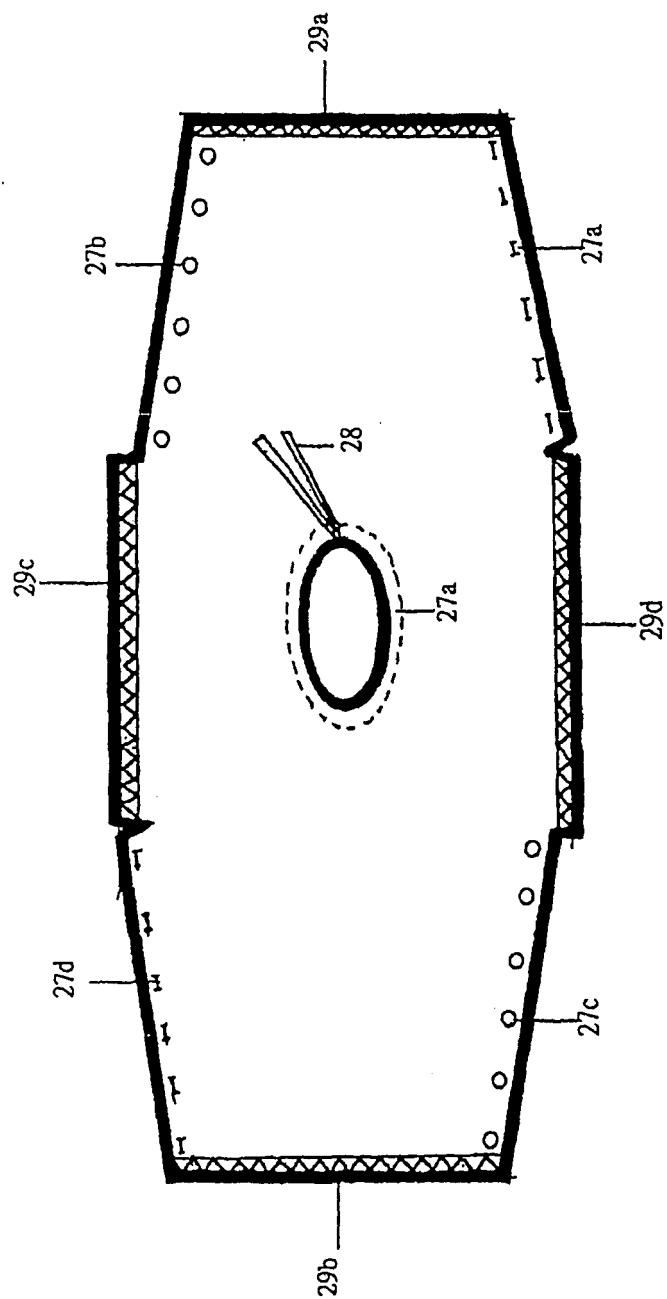


Fig. 5b

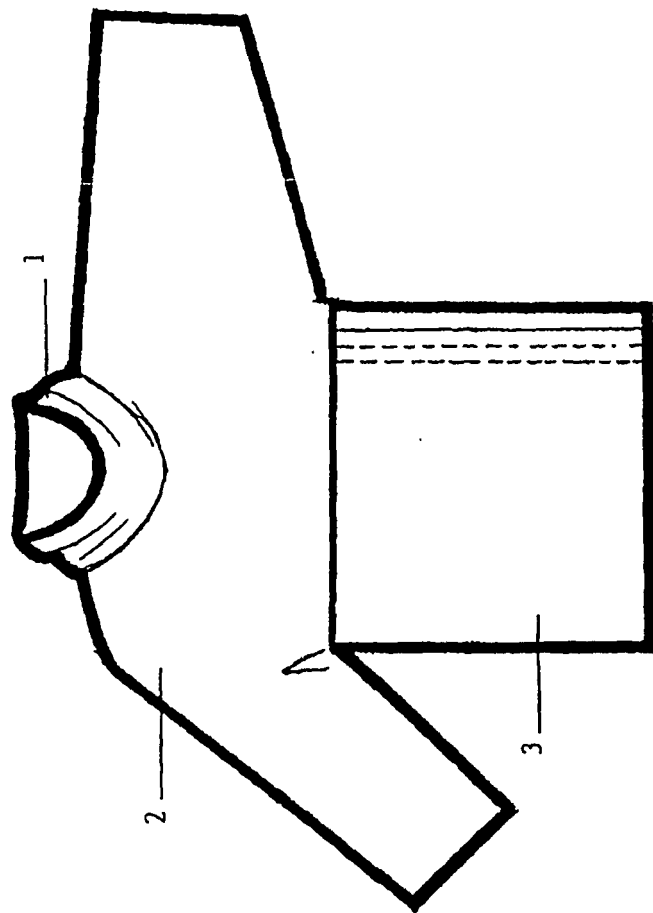


Fig. 5d

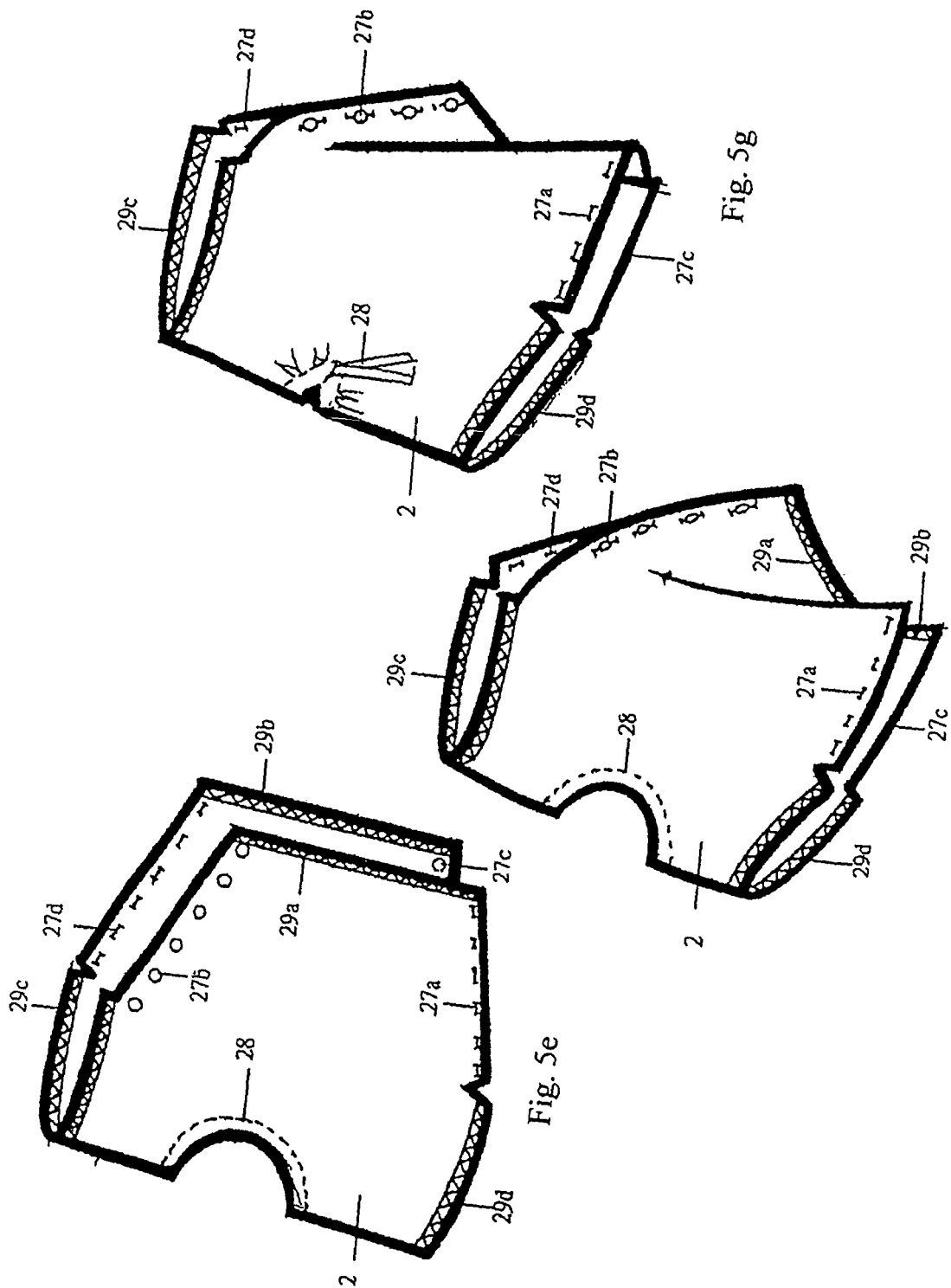
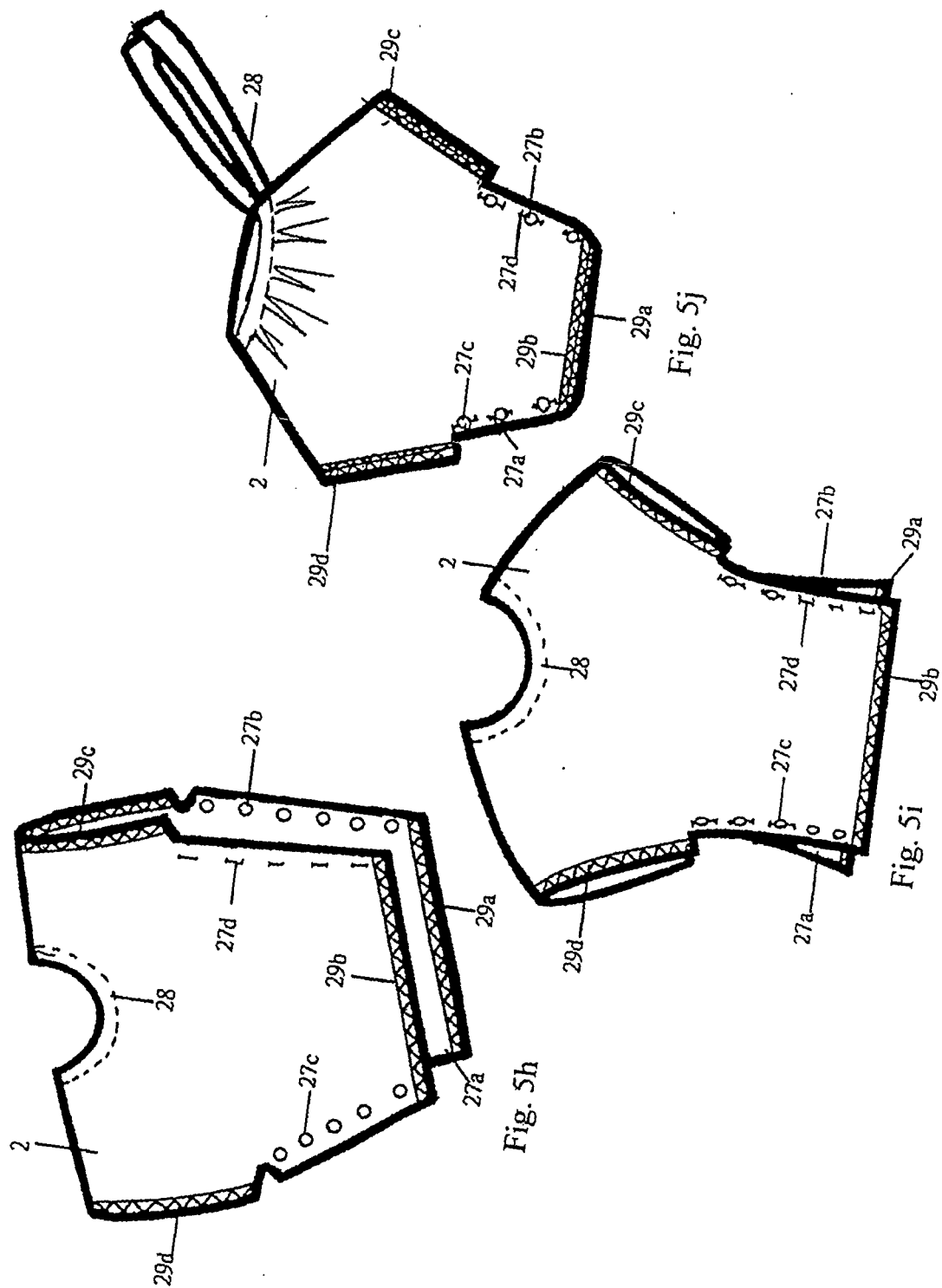


Fig. 5f

Fig. 5g

Fig. 5e



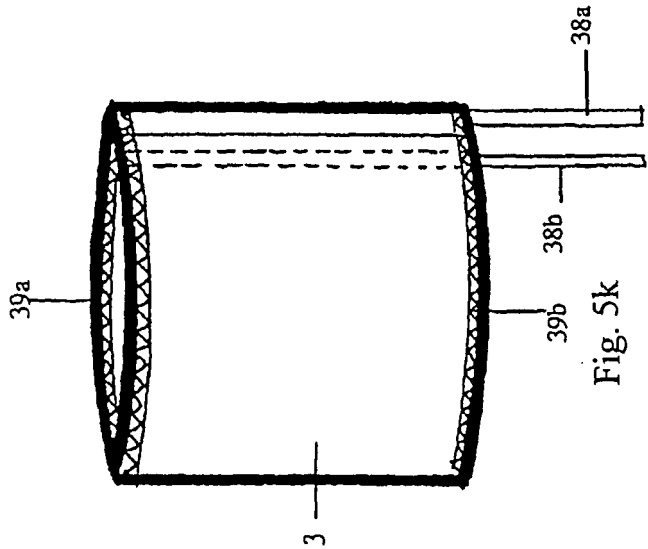


Fig. 5k

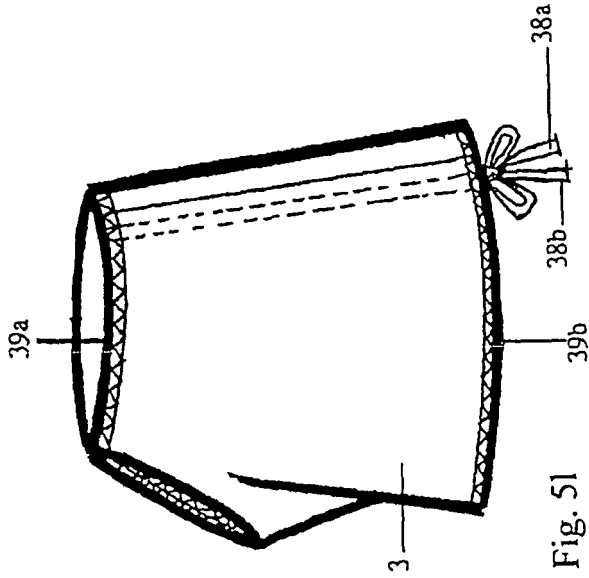
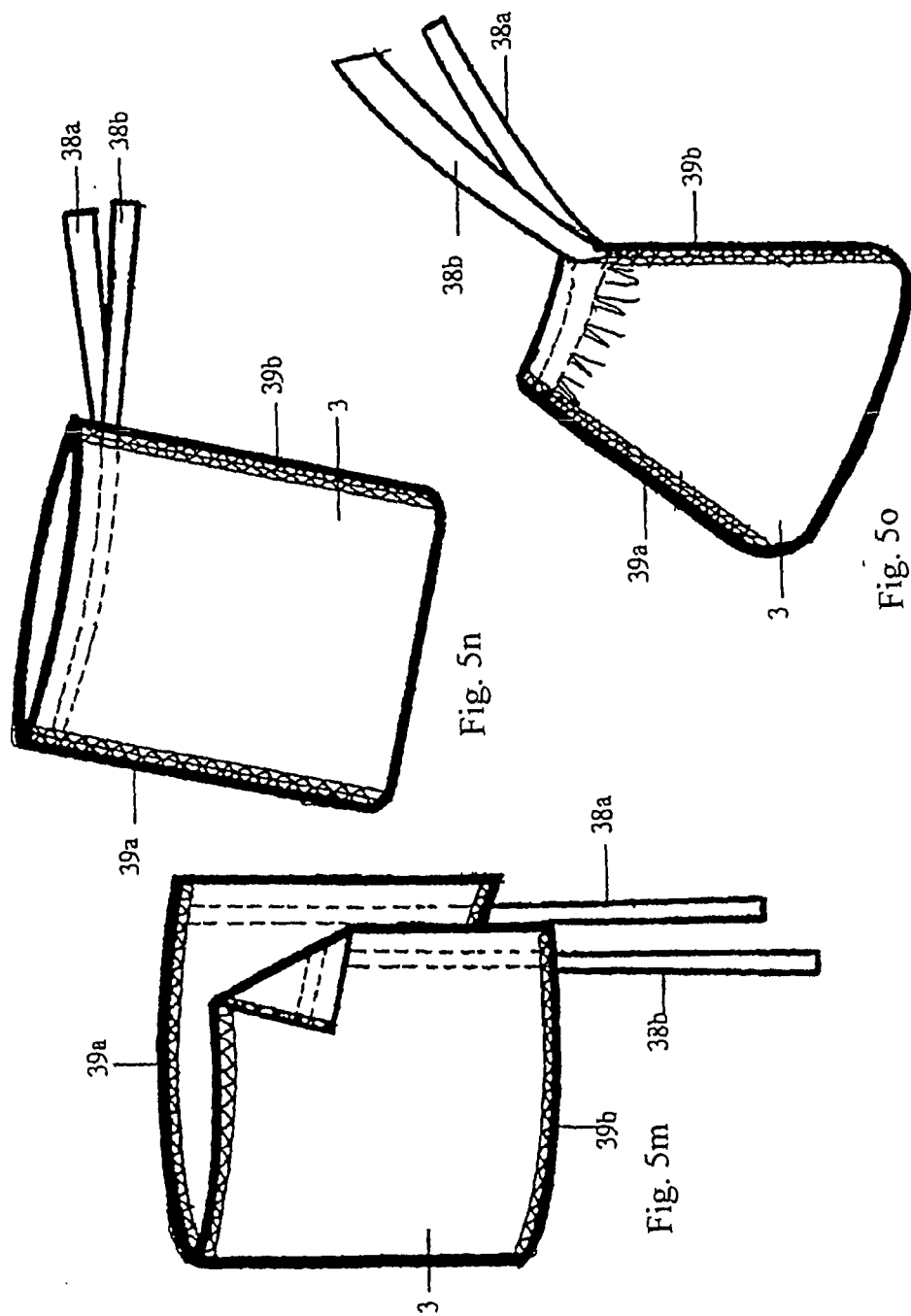
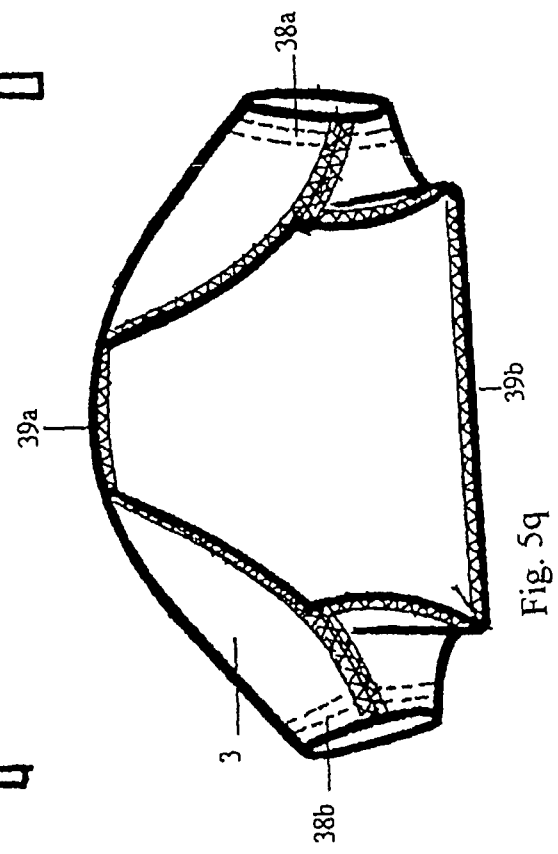
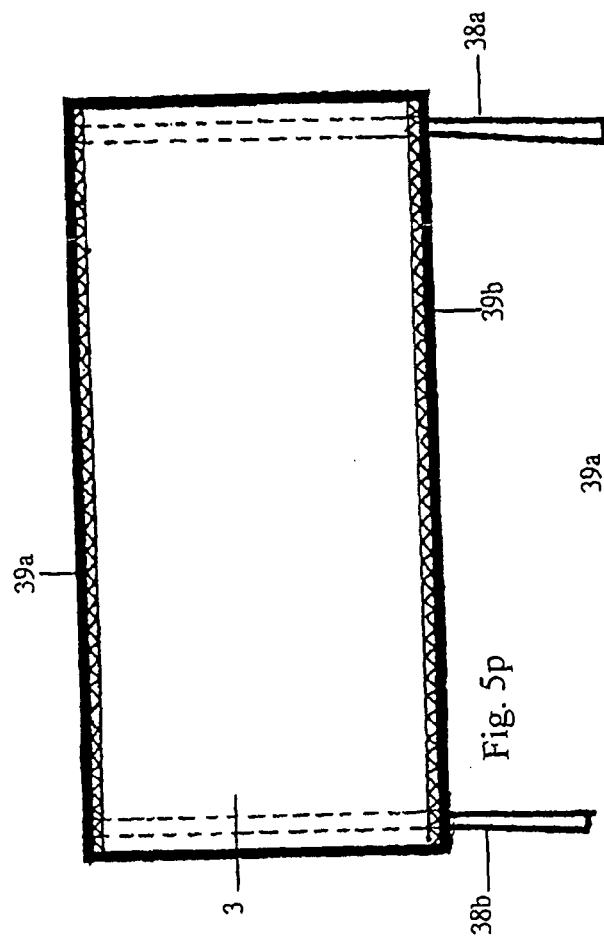


Fig. 5l





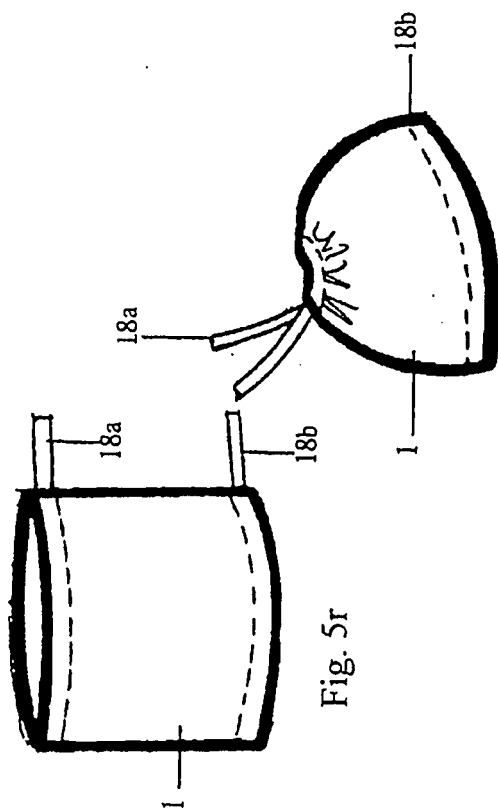


Fig. 5r

Fig. 5s

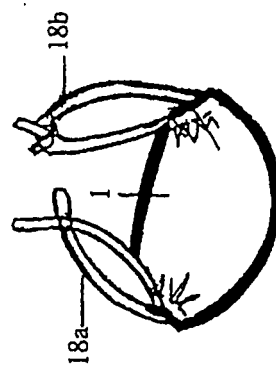


Fig. 5t

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2008/000080

A. CLASSIFICATION OF SUBJECT MATTER

See extra sheet

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC: A41D15, A41D1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CNPAT, EPODOC, WPI, PAJ stretch+, elastic+, flex+

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 2037937 U (PENG, Jing) 24 May 1989 (24.05.1989), the description page 1 line 5 to page 3 the last line, figures 1-3.	1-10
X	US 4574397 A (DENNARD D G) 11 Mar.1986 (11.03.1986), the description column 1 line 48 to column 6 the last line, figures 1-12.	1-10
X	CN 2265093 Y (HE, Shuyan) 22 Oct.1997 (22.10.1997), the description page 1 line 5 to page 2 the last line, figures 1-8.	1-10
X	CN 2107797 U (YANG, Zhiying) 24 Jun.1992 (24.06.1992), the description page 1 line 6 to page 2 the last line, figures 1-4.	1-10
X	CN 2420871 Y (HAN, Jun) 28 Feb. 2001 (28.02.2001), the description page 1 line 5 to page 2 the last line, figures 1-6.	1-10

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

“A” document defining the general state of the art which is not considered to be of particular relevance

“E” earlier application or patent but published on or after the international filing date

“L” document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)

“O” document referring to an oral disclosure, use, exhibition or other means

“P” document published prior to the international filing date but later than the priority date claimed

“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

“&” document member of the same patent family

Date of the actual completion of the international search

29 Feb.2008 (29.02.2008)

Date of mailing of the international search report

27 Mar. 2008 (27.03.2008)

Name and mailing address of the ISA/CN

The State Intellectual Property Office, the P.R.China
6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China
100088

Facsimile No. 86-10-62019451

Authorized officer

Wang, Qiuyan

Telephone No. (86-10)62084130

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN2008/000080

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN 2037937 U	24.05.1989	none	
US 4574397 A	11.03.1986	none	
CN 2265093 Y	22.10.1997	none	
CN 2107797 U	24.06.1992	none	
CN 2420871 Y	28.02.2001	none	

Form PCT/ISA/210 (patent family annex) (April 2007)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2008/000080

CLASSIFICATION OF SUBJECT MATTER:

A41D15/00 (2006.01) i

A41D1/00 (2006.01) i