

MEN'S BRIEFS WITH SEPARATE SPACE FOR PENIS

TECHNICAL FIELD

The invention relates to men's underwear, in particular men's underpants, at the inner side of their front part having separate space to physically separate the penis from the testicles. In the International Patent Classification, it is classified as A41 B9/02.

TECHNICAL PROBLEM AND BACKGROUND ART

The penis and the testicles are constantly in contact, which is not good from the hygienic and health points of view. Due to their position, these organs are constantly exposed to sweating. Particularly negative effect is from the drops of urine remaining after urination. By constant contact and rubbing, the penis additionally warms the testicles, which is one of causes of men's sterility. Briefs clinging tightly to the body also cause unpleasant constricting of the penis and the testicles.

The technical problem that is solved by this invention relates to designing of men's briefs where the penis will be physically separated from the testicles, where it will always stay in the falling position, and where constriction of the penis and the testicles will be minimized.

Presently there are many men's brief designs known, with or without legs, made to cling against the body or not. The above problems are manifest in all the existing brief designs, because they have no separate space to receive the penis.

Document WO2009147458A1 is closest prior art and discloses men's briefs with separate space for penis where separate space for penis has large U shape opening placed symmetrically relative to the brief midline. Separate space consists of two physically separated spaces by the seams 6 and 4. In this way separate spaces 7

are provided. Present invention discloses men's briefs with one separate space for penis. Another difference between present invention and WO2009147458A1 is form of the opening for receiving penis. According to present invention opening has circular like form which encircles penis in a way that prevents its falling out from separated space, and furthermore present invention provides elastic means for adjustably tightening of penis. Further advantage of present invention is that orifice is placed aside from briefs midline, left or right, depending of the customer preferences.

Two separate spaces are not necessary since single one fulfils all concept requirements and further simplifies fabrication and accordingly lowers the fabrication costs. U shaped opening has showed certain deficiencies in use, such as falling out of penis from separate space and pressure on penis caused by pants. Present invention with above mentioned orifice shifted left or respectively right by cca. 1,5 to 2,00 cm together with inner insert formed from two overlapping parts provides encircling of penis in a more healthy, hygienic and comfortable way. Accordingly, brief's according to present invention are more pleasant. Since, as a matter of general knowledge, penis is naturally slightly directed to the left or right side, present invention provides such natural position avoiding any pressure caused by pants. On the other hand, overlapping inner insert prevents falling out of penis from brief's separate space, especially during long-lasting sitting position.

The men's briefs with separate space for the penis, according present invention, make a very useful part of underwear, aimed to the man's health, that can be manufactured very economically and in numerous embodiments. It includes essential improvements relative to previously known briefs of this type.

DETAILED DESCRIPTION OF THE INVENTION

The essence of the invention is men's briefs with separate space for the penis placed at the inner side of their front part.

Men's briefs with separated space for penis, made as short or long leg briefs, with flexible belt, panel, (front outer insert and front inner insert , wherein separated

space for penis is formed by front outer insert and front inner insert; said inserts being connectable to the panel and optional part in a manner to form men's briefs, wherein front inner insert has shape and dimensions same as front outer insert. Front inner insert is formed from two overlapping sewed parts having curved hems, where curved hems form circular like adjustable orifice for inserting penis into separated space. Adjustable orifice is placed aside from briefs midline, and where said orifice encircle penis in a way that prevents its falling out from separated space. Adjustable orifice is placed left or right aside from brief's midline by rotating front inner insert by 180° around the brief's midline. Additionally said hems have elastic means for adjustably encircling the penis, where, according to one embodiment of present invention, said elastic means can be tightened by the means on the outer side of the briefs. The shape of the opening for entering the penis and the height at which it is made are adjusted to allow the penis to smoothly enter its separate space when the briefs are being put on. This way, the testicles remain in their normal position, always physically separated from the penis.

Detailed description of drawings

Invention will be below described in detail with reference to drawings where:

figure 1. shows the back and side panel of the briefs A,

figure 2. shows the front outer insert B,

figure 3. shows the outer front view of the briefs,

figure 4. shows view of the part C of the inner panel,

figure 5. shows view of the part D of the inner panel,

figure 5a. shows view of the front inner insert B' according to the one embodiment of the invention,

figure 5b. shows view of the front inner insert B' according to another embodiment of the invention,

figure 6a. shows view of the inner front side of the briefs according to the one embodiment of the invention, and

figure 6b shows view of the inner front side of the briefs according to the another embodiment of the invention.

With reference to figures 1 to 3, 5a and 5b, men's briefs with separated space for penis, made as short or long leg briefs, with flexible belt, panel (A), front outer insert (B) and front inner insert (B'), wherein separated space for penis is formed by front outer insert (B) and front inner insert (B'); the inserts (B) and (B') being connectable to the panel (A) and optional part (3) in a manner to form men's briefs, wherein front inner insert (B') has shape and dimensions same as front outer insert (B). Front inner insert (B') is formed from two overlapping sewed parts (C) and (D) having curved hem 17 and respectively hem 18, where curved hems 17 and 18 form circular like adjustable orifice 19 for inserting penis into separated space. As illustrated on figures 5a and 5b, according to the embodiment of the invention, it is provided that part (C) overlaps part (D) or respectively, part (D) overlaps part (C), without any further modification of said parts (C) and (D) and other parts of briefs. Figures 6a and 6b illustrate adjustable orifice (19) placed aside from briefs midline, and where orifice 19 encircle penis in a way that prevents its falling out from separated space. Adjustable orifice (19) is placed left or right aside from brief's midline by rotating front inner insert (B') by 180° around the brief's midline. Additionally hems 17 and 18 have elastic means for adjustably encircling the penis, where, according to one embodiment of present invention, said elastic means can be tightened by the means (21).

As shown on figures 4 and 5, front inner insert (B') is formed from two parts (C) and (D) with mutually sewed hems 5 and 11, 6 and 13, 8 and 16, 9 and 12, where curved hems 17 and 18 to form circular like adjustable orifice 19 for inserting penis into separated space, where orifice (19) is placed aside from briefs midline, wherein orifice 19 encircle penis in a way that prevents its falling out from separated space. With reference to the figures 5a and 5b, front inner insert (B') being sewed with to the inner side of the outer panel (A) and front outer insert (B) at least through hem (7) and hem (14), and through sewing hem (8) and hem (15) to hem (16). Furthermore, inserts B and B' are connected to the outer panel (A) through hems (6 and 13), (10

and 4), (11 and 5) and (8 and 15). Outer panel (A) constitutes back, side and partially front side of briefs. Outer panel (A) can be tailored in one piece where that one piece includes part of the front panel (3). For person skilled in the art is obvious that certain modifications of the design of the outer panel (A) are possible without impact on the scope of the invention. For instance, outer panel A can be tailored from the more than one piece of fabrics (e.g. par (3) can be separate part of the briefs).

The men's briefs with separate space for the penis, according to this invention, eliminate deficiencies of the present brief cuts, related to their hygienic and health properties and physical discomforts. The separate space for the penis is situated at the inner side of front part of the briefs, between front outer insert and front inner insert. The above described briefs embodiment enables the testicles to retain their normal position between the legs, physically separated from the penis which is situated in a separate space, so that the penis neither presses, warms nor rubs the testicles. Regardless of the body movements and position, the penis will always remain in the separate space, which fully satisfies the essence and the function of the invention. The position and width of the penis space are adjusted to the sort, shape, cut and design of both the briefs as a whole and their particular parts. The function of the separate penis receiving space, however, remains unchanged.

REFERENCE SIGNS:

The reference signs used in the description and figures have the following meaning:

A - back and side panel of briefs

B – front outer insert

B'- front inner insert

C - part of the inner panel

D - part of the inner panel

1 - panel A hem

2 - insert B hem

3 – optional part of the front panel

4 - hem sewed to hem 10

5 - - hem sewed to hem 11

6 - - hem sewed to hem 13

7 - sewed to inner side of the outer panel

8 - - hem sewed to hem 16

9 - - hem sewed to hem 12

10 - - hem sewed to hem 4

11 - - hem sewed to hem 5

12 - - hem sewed to hem 9

13 - - hem sewed to hem 6

14 - - hem sewed to hem inner side of the outer panel

15 - - hem sewed to hem 16

16 - - hem sewed with hems 8 and 15

17. – curved hem

18 – curved hem

19 - opening

20 – seam

21 – means suitable for adjustment of opening 19

Persons skilled in the art will find it obvious that certain modifications of the design of the separate penis space are possible, given the briefs design, however not leaving the spirit of the invention.

CLAIMS

1. Men's briefs with separated space for penis, made as short or long leg briefs, with flexible belt, panel (A), front outer insert (B) and front inner insert (B'), wherein separated space for penis is formed by front outer insert (B) and front inner insert (B'); the inserts (B) and (B') being connectable to the panel (A) and optional part (3) in a manner to form men's briefs, wherein front inner insert (B') has shape and dimensions same as front outer insert (B), **characterized by that** front inner insert (B') is formed from two overlapping sewed parts (C) and (D) having curved hem (17) and respectively hem (18), where curved hems (17) and (18) form circular like adjustable orifice (19) for inserting penis into separated space, where adjustable orifice (19) is placed aside from briefs midline, and where adjustable orifice (19) encircles penis in a way that prevents its falling out from separated space.
2. Men's briefs according to claim 1, **characterized by** that adjustable orifice (19) is placed left or right aside from brief's midline by rotating front inner insert (B') by 180° around the brief's midline.
3. Men's briefs according to claim 1, **characterized by** that hems (17) and (18) have elastic means for adjustably encircling the penis.
4. Men's briefs according to claim 3, **characterized by** that elastic means are tightened by the means (21).