

"A PANTY-LIKE GARMENT OF TEXTILE MATERIAL"

10 The invention relates to a panty-like garment of textile material, especially for babies and small children.

15 All of the presently available babies' and children's panties typically comprise a relatively narrow waistband, mostly in the form of a mere elastic band, and only slightly stretchable leg bands. These panties have the drawback that vests are retained only very unsatisfactorily by the waistband, so that at the slightest movement of the baby or small child the vest
20 will slip out, this being further promoted in most cases by the napkins being drawn down due to kicking or walking motions performed by the child. In that case the back and the particularly tender renal region of the baby or small child are frequently fully exposed,
25 and consequently the child may catch a chill very easily.

Until recently, one sought to overcome this problem by the use of one-piece combinations. However, these
30 combinations have the drawback that the child has to be completely dressed or undressed, respectively, if the lower or upper part of the garment gets wet. Such a change of garment is not very pleasant either for the child or its parents.

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1 The present invention is therefore based on the object
of providing a panty-like garment of the type specified
above, which provides a reliable protection for the
back and renal region even in case of strong kicking,
5 crawling and walking motions of the child and is com-
fortable to wear.

In accordance with the invention the above-specified
object is solved in a surprisingly simple way by
10 providing a waistband whose width corresponds to about
one-quarter to one-half, preferably to about one-third,
of the overall length of the garment or panty.

Thereby it is ensured that the back and renal region of
15 the child is always covered even if the vest or the
like inadvertently slips out from beneath the waist-
band. The particularly wide waistband is moreover
distinguished by a high degree of pliancy. Any con-
striction such as found, for instance, with the con-
20 ventional elastic bands, is thereby avoided. The
child's waist region is not subjected to any unpleasant
compression. The panty is relatively slip-proof and
will hold together any napkin material even if the
latter is wet.

25 In a preferred embodiment, the leg bands also are
relatively wide and are made of elastically stretchable
textile or stretch material, respectively; the width of
each leg band is about one-fifth to one-half, prefer-
ably about one-third of the width of the mentioned
30 waistband. Thereby a reliable fit of the panty is also
ensured in the leg region, and consequently any
slipping-down of napkin material is prevented. Due to
the broad configuration of the leg bands and the
35 material employed, the garment according to the
invention is very comfortable to wear also in the leg
region.

1 In accordance with a further development of the inven-
tion, the panty portion which is defined by the waist-
band, on the one hand, and the leg bands, on the other
hand, is made of highly elastic and absorptive textile
5 material, preferably of frotté-stretch material, having
a minimum elongation of about 30 to 50%. Such a
material is very pleasant to the skin and does not in
any way impede the movements of the baby or small
child. In summary, therefore, the invention represents
10 a compact panty distinguished by high pliancy and
strength without having a constricting or compressive
effect. It is ensured that the tender back and renal
region of the baby or small child is always covered.
Moreover, any napkin material is confined in a slip-
15 proof way inside the panty. Due to the elongation of
the panty material required in accordance with the
invention, especially of the panty portion itself, it
is possible to provide a relatively large amount of
napkin material. Also, due to the required minimum
20 elongation the panty, as it were, may grow with the
baby or small child, respectively. One and the same
panty will fit a new-born baby as well as a child of
about one year, provided the initial size is chosen
accordingly. The same holds for a larger initial size.
25 In addition to the above-specified advantages it is
thereby even possible to save money.

As regards the preferred material composition,
reference is made to the claims 12, 13 and 16 to 20.

30 An embodiment of the panty or briefs according to the
invention will be described below with reference to the
accompanying drawing. The drawing shows an unfolded
panty, comprising a wide waistband 10 and relatively
wide leg bands 14, each of said bands being circular
35 knitted. The waistband 10, on the one hand, and the leg
bands 14, on the other hand, define the actual panty 16

consisting of absorptive and highly elastic frotte-
stretch material having a minimum elongation of above 30
to 50%, preferably of about 40%. The waistband 10 and the
leg bands 14 are made of about 60 to 100% of cotton; the
5 remainder is made of Elasthan (Registered Trademark) or
the like synthetic fibre material. Preferably, the
composition comprises 90% of cotton and 10% of Elasthan.

The panty portion 16 is made of about 60 to 90% of
10 cotton and about 40 to 10% of nylon (Registered Trademark)
or the like synthetic fibre material.

Moltopren yarns may be worked into the waistband 10
and the leg bands 14 in order to improve the elasticity
15 thereof. The leg bands 14 preferably have a minimum
elongation of between 70% and 100%.

As will be apparent from the drawing, the width of
the leg bands 14 is about one-quarter of the width of the
20 waistband 10. With babies' and children's panties the
width of the waistband 10 may be from 6 to 10 cm and is
preferably about 8 cm. It is further apparent from the
drawing that the width of the waistband 10 corresponds to
about one-third of the overall length L of the panty 12 as
25 measured from the free periphery of the waistband 10 to
the crotch between the two leg bands 14.

Of course, if possible, the material used should be
fast to boiling. The above-mentioned materials for the
30 various components of the panty meet this requirement.
The panty may also be very useful for adults, in
particular for those having sensitive kidneys or the like.



CLAIMS

- 5 1. A panty-like garment of textile material especially adapted for babies, comprising a body member of an elastically stretchable and absorptive textile material, a waistband and leg bands secured to said body member, said waistband being of an elastically stretchable material and having a width in the range of one-fourth to one-half of the overall length of the body member, said leg bands being of an elastically stretchable material and each having a width in the range of one-fifth to one-half of the width of said waistband.
- 10 2. A garment according to claim 1, wherein said waistband has a width of substantially one-third the overall length of the garment.
- 15 3. A garment according to claim 1 or claim 2, wherein the width of the waistband is from 6 to 10 cms.
- 20 4. A garment according to claim 3 wherein said width is substantially 8 cms.
- 25 5. A garment according to any preceding claim wherein said waistband is formed of a circular knitted material.
- 30 6. A garment according to any preceding claim having leg bands having a minimum elongation of between 70 and 100%.
- 35 7. A garment according to claim 6 wherein said leg bands are formed of circular knitted material.
8. A garment according to any preceding claim wherein said leg bands have a width of substantially one-third of the width of the waistband.
9. A garment according to claim 6 wherein each of said waistband and said leg bands include a moltopren yarn.



10. A garment according to any preceding claim where said body portion is made of elastically stretchable and absorptive material which is capable of being stretched by from 30 to 50%.

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11. A garment according to claim 10 wherein said body portion consists of 60 to 90% of cotton and of 40 to 10% of a synthetic fibre material.

10 12. A garment according to claim 11 wherein said synthetic fibre material is nylon.

13. A garment according to any preceding claim wherein said body portion is made from a frotte-stretch material.

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14. A garment according to any preceding claim, wherein the leg bands consist of about 60 to 100% cotton, any remainder being substantially Elasthan or a like synthetic fibre material.

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15. A garment according to claim 16, wherein the leg bands comprise about 90% cotton and about 10% Elasthan or a like synthetic fibre material.

25 16. A garment substantially as herein described with reference to, and as shown in, the accompanying drawing.
