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PANTYHOSE

The invention relates to pantyhose for ladies, children and gentlemen, which are produced in such manner that tubular parts may be produced on ordinary circular knitting machines, whereby two tubular parts at the time are combined by seams in such manner that a pantyhose is produced.

The known embodiments of pantyhose and those in accordance with the invention are explained with reference to the drawing.

The drawing illustrates diagrammatically and by way of example a few embodiments of pantyhose in side views.

FIGS. 1 and 2 illustrate each a pantyhose of the prior art, and

FIGS. 3 and 4 illustrate each a pantyhose in accordance with the present invention.

In FIG. 1 is shown a known type of pantyhose which consists of two leg portions 1, of which only one is illustrated, the pants part 2 and the elastic closure band or waistband 3.

This pantyhose has the decided disadvantage that it fails to fit properly the anatomy of the body. With well-fitting underwear or pants, the article of clothing must be cut higher at the rear part than at the front part, so that the band of the article of clothing does not pull down at the back of the wearer if the wearer of the underwear sits down. In order to equalize this movement, namely, at the rear part of an article of pants, a great reserve of material must be present.

FIG. 2 shows a pantyhose with a good fit and which consists of the leg portions 1, a panty part 2 and an elastic waistband 3, whereby, however, additionally a wedge-shaped part 4 is worked in at the back portion of the panty part 2 and next to the band 3 which forms the additional material necessary for holding the rear of the panty part up when sitting down.

This wedge-shaped portion of material 4 may indeed be sewed onto the panty part 2, but this sewing operation produces an uncomfortable transversely disposed seam 4a, whose production is connected with the additional cost of the sewing operation. In addition, it is difficult to impart sufficient elasticity to the seam 4a. Further, with worked and knitted articles of clothing, the danger always exists that individual stitches loosen from such a seam and cause runs.

Furthermore, one could make the pantyhose from the beginning on higher in the waist to allow for the wedge 4 and then cut off the pantyhose at the waist from the back toward the front in a slanting manner. This method, however, has the disadvantage that an appreciable amount of waste of material results.

The object of the present invention is a pantyhose having a good fit, but no inconvenient transverse seams whatever and which may be produced simply and economically with known circular knitting machines.

This object is attained according to the invention in that each side of the panty part of the pantyhose consists of two or more parts in which the number of the rows of stitches of the parts which lie adjacent to the rear seam is greater than the number of rows of stitches which lie adjacent to the front seam.

The production of this pantyhose according to the invention is very simple and economical to accomplish, because multisystem circular hose knitting machines without any additions or changes may be so adjusted that with certain parts to be knitted, all systems introduced into the machine may be caused to knit properly while with other parts to be knitted, certain individual systems will be rendered inoperative and therefore do not perform any knitting operation.

The continuous knitting operation is accordingly not interrupted or disturbed by the differing number of rows of stitches in individual parts to be knitted.

FIG. 3 illustrates an embodiment of a pantyhose made in accordance with the invention, in which the desired improved fit is attained. The pantyhose is provided with the leg parts 1 and the elastic waistband 3. Each side of the panty part consists, however, of two vertical parts, one of which comprises a front part 5 and the other a rear part 6, whereby the number of the rows of stitches in the rear part 6 is greater than the number of the stitches in the front part 5, which lies adjacent to the front seam 5a of the pantyhose. The two sides of the panty part of the pantyhose comprising each the two parts 5 and 6 are connected along vertical lines 3a.

During the production, the circular knitting machine, for example, operates in the panty part 5 with one system and in the panty part 6 with two systems. In this manner, the part 6 between the waistband 3 and the leg part 1 will have twice the number of rows of stitches as are present in the panty part 5. It is obvious that in this manner the pantyhose receives in its seat portion 6 a great reserve of material as compared with the material in the front part 5.

The ratio of the number of rows of stitches in the panty part 6 to the panty part 5 may, of course, be altered as desired.

Thus, for example, the panty part 6 may be knitted with three times as many rows of stitches as the panty part 5. Also, a ratio of rows of stitches of for example 1:1.5 is possible without any difficulties.

FIG. 4 illustrates by way of example another embodiment of a pantyhose made in accordance with the invention. It also has the leg parts 1 and the elastic waistband 3. Compared with the embodiment of FIG. 3, each side of the panty part is divided into three vertical parts 5', 6' and 7', whereby the ratio of the rows of stitches contained in the individual parts changes from the front seam 5a' toward the rear seam 6a' continuously. The two sides of the pants part of the pantyhose comprising each the parts 5', 6' and 7' are connected along the vertical lines 3b and 3c. The ratio of the rows of stitches contained in the parts 5', 7' and 6' may also be selected for example to be 1 : 2 : 3. Also other ratios of rows of stitches may be selected and technically carried out without any additional machine parts or the like, each according to whether the seat part, for example, requires for slim figures less additional knitted material than for heavy figures.

In accordance with the invention, each side of the panty part may obviously be divided into still more parts than three, whereby it always remains the inventive idea, that the individual parts lying closer to the rear seam of the pantyhose are provided with more rows of stitches than are knitted into the part facing the front seam.

What I claim is:

1. Knitted pantyhose comprising two tubular leg portions, a panty portion knitted to said leg portions, said panty portion comprising at least four parts each having a pair of side edges, means connecting adjacent side edges of two of said parts together along a vertical front seam and means connecting adjacent side edges of two of said parts together along a vertical rear seam and an elastic waistband, means securing said elastic waistband on said panty portion, each side of said panty portion extending transversely from said front seam to said rear seam consisting of at least two parts, means connecting adjacent edges of said latter two parts with each other along a vertical seam line disposed between said vertical front seam and said vertical rear seam, and in which the number of rows of stitches in the part disposed adjacent said rear seam is greater than the number of rows of stitches in the other part disposed adjacent said front seam.

2. Knitted pantyhose according to claim 1, in which said rear seam of said panty portion is longer than said front seam so as to extend higher into the waist of the wearer than said front seam.