Jan. 3, 1956 I. RABINOVITZ 2,729,083

STOCKING WELT

Filed Nov. 18, 1953

FIG. 3 — 12

FIG. 4 — 10

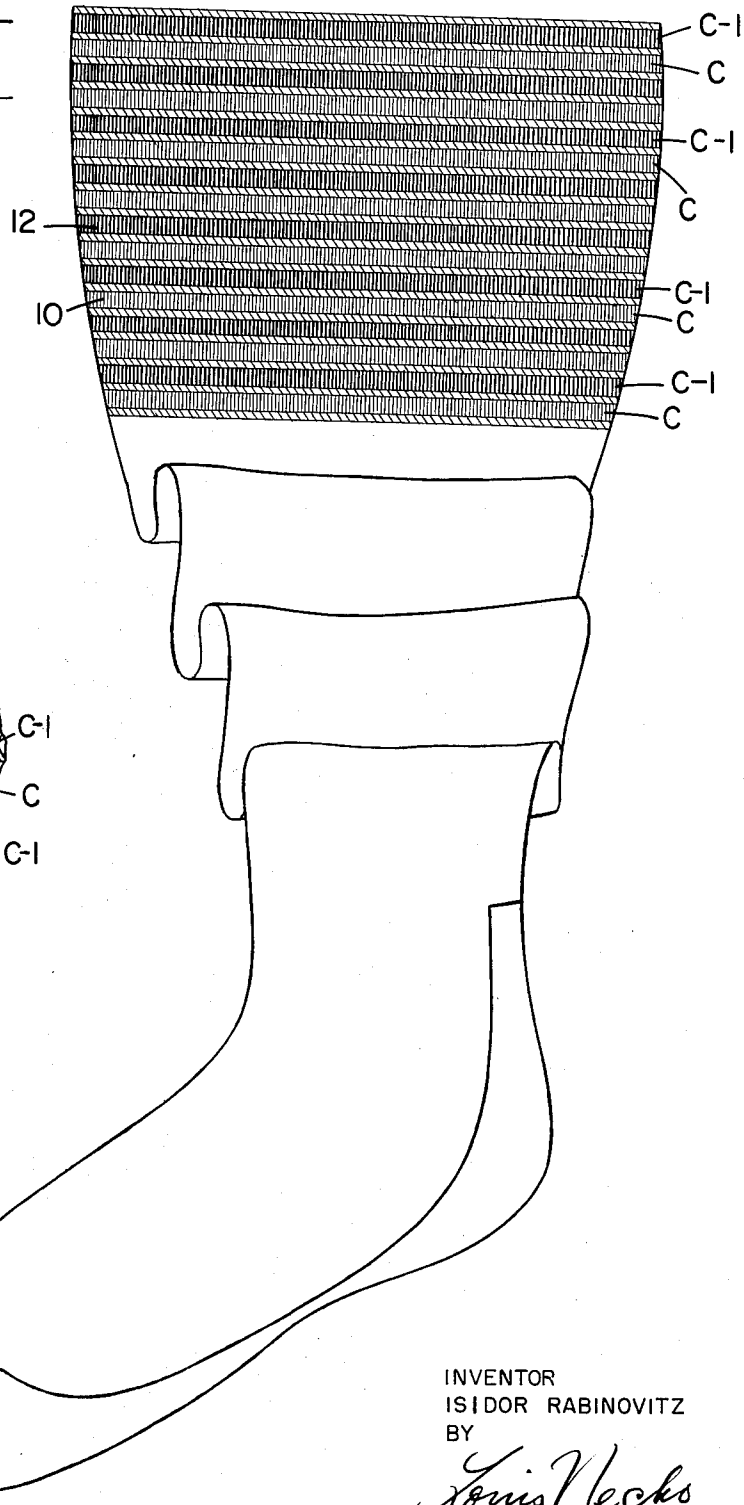
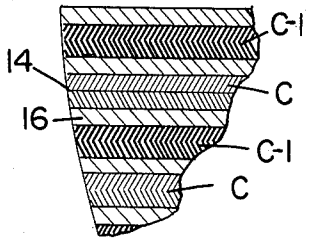


FIG. 1

FIG. 2



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STOCKING WELT

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1 Claim. (Cl. 66—172)

My invention relates to a lady's stocking and it relates more particularly to an improvement in the construction of the welt of the stocking.

My invention further relates to an improved welt structure which combines optimum stretching action with optimum gripping action whereby a good fit and a comfortable feel are obtained.

My invention still further relates to an improved welt structure which, in addition to providing a good fit and a comfortable feel, also lends itself to various ornamentations.

In the drawings:

Fig. 1 is a highly diagrammatic view of a stocking the welt of which is constructed according to one embodiment of my invention.

Fig. 2 is a fragmentary view showing the welt formed according to a second embodiment of the invention.

Figs. 3 and 4 diagrammatically represent the yarn used.

In the stocking shown in Fig. 1, the leg and the foot are of no interest as far as this application is concerned and the same are therefore shown in outline only.

The welt illustrated in this figure includes a number of spaced bands or areas C each of which is formed of a number of courses C, which are knit of a relatively thin, or small denier yarn **10**, and a number of alternating bands or areas **C–1** each of which is formed of a number of courses which are knit of a relative thick, or large denier yarn **12**. The courses forming bands C and C–1 are preferably knit under the same tension whereby bands **C–1** will be relatively tightly knit and bands C will be relatively loosely knit. Under these conditions, the relatively tightly knit bands **C–1** will serve as spaced gripping elements while the loosely knit bands C will provide the required stretching. If the entire welt is made in the manner of bands **C–1**, it will be heavy, unsightly and uncomfortably tight and may interfere with the circulation. Nor is that much gripping action needed. On the other hand, if the entire welt is made in the manner of bands C, the entire welt will be loose and will

not hug the leg in to produce a nice and comfortable fit. In other words, in the construction disclosed the tendency of the loose, thin yarn courses to stretch or to slip is moderated by the tendency of the thick yarn courses to grip so that in effect, each pair of bands **C–1** and C coact to produce a fabric which will stretch moderately and which will grip the leg moderately.

The yarns **10** and **12** are preferably synthetic monofilaments and may or may not be twisted or pre-dyed.

To produce the embodiment of Fig. 2, the yarns forming the successive bands are twisted in opposite directions so as to produce a herring-bone effect.

If desired, one or more courses **14** can be knitted at the junctions of the oppositely twisted yarns so as to accentuate the herring-bone effect.

In either embodiment, I prefer to knit one or more courses **16** of a pre-dyed yarn, at the junctions of the successive bands C and **C–1**.

The pre-dyed course or courses **16** will be of colors to contrast with the color of the stocking itself so as to produce an ornamental effect and they may be of a color to contrast or harmonize with the underwear so as to produce an ensemble effect.

The representation shown is not to scale. On the contrary, it is highly diagrammatic and, in the finished stocking, the width of the bands C and **C–1**, the tension under which these bands or either of them is knit will be varied and the separating course or courses **16** may be made of any desired denier and can be knit under the same, or under a different tension, as the courses of bands C or **C–1**.

The difference in the denier of the yarns **10** and **12** should be enough to produce the desired effect both in stretch and grip as well as in appearance. While this may vary, I have found that a ratio of 30 deniers to 50 deniers, or a ratio of 20 deniers to 40 deniers, produces very satisfactory results.

What I claim is:

A stocking welt formed of a plurality of alternating annular bands, each pair of adjacent bands being knit under uniform tension of yarns of different denier which are twisted in opposite directions and a course knit of pre-dyed yarn separating said adjacent bands.

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