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S. FELDMAN

2,599,168

PLEATED FABRIC AND GARMENT MADE OF SAME

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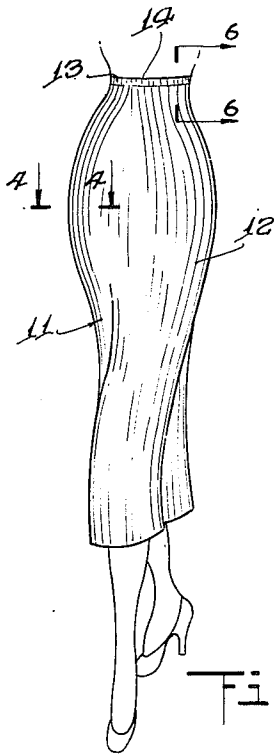
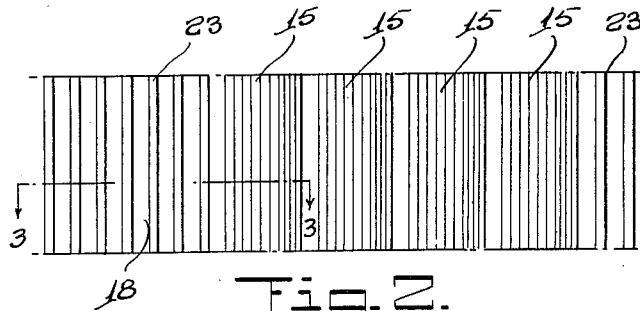


Fig. 2.

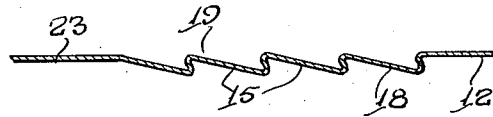


Fig. 4.

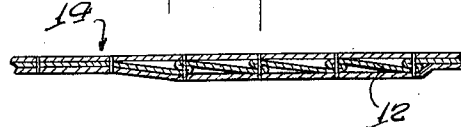


Fig. 5.

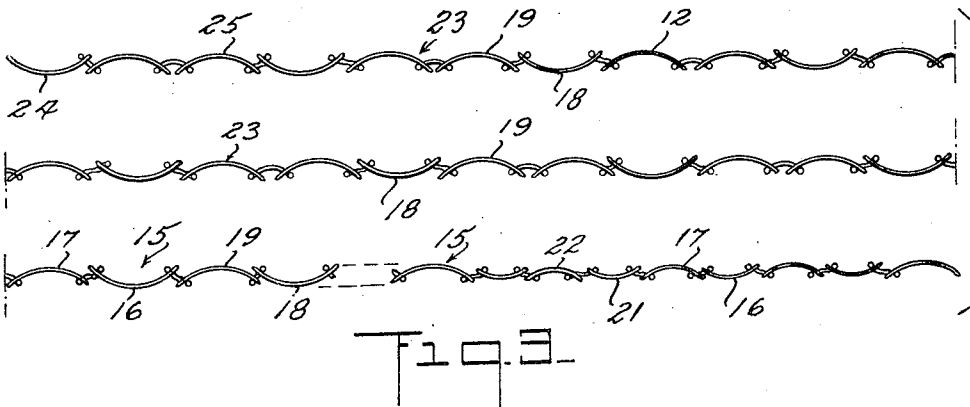


Fig. 3.

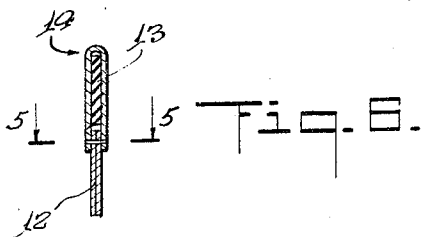


Fig. 6.

INVENTOR.
SAMUEL FELDMAN
BY *Bader and Spechler*

ATTORNEY

UNITED STATES PATENT OFFICE

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PLEATED FABRIC AND GARMENT MADE OF SAME

Samuel Feldman, Forest Hills, N. Y.

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6 Claims. (Cl. 66-177)

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This invention relates to a novel knitted fabric and a garment made of the same.

It is an object of this invention to produce a knitted fabric which will be formed with permanent pleats which will not be removed during the normal cleaning process or the normal wear of the garment made of the said fabric.

It is a further object of this invention to produce a knitted fabric which will be durable and inexpensive in construction.

It is a further object of this invention to produce a garment with a very unusual look.

Briefly stated, my invention comprises a fabric composed of resilient yarn, in which the yarn is formed into a series of substantially parallel longitudinal, or substantially parallel transverse rows of knit and purl stitching and wherein the said rows are of differing widths so that the resiliency of the said yarn causes a permanent pleated effect in the said fabric.

Preferably, but not essentially, the alternate parallel rows of knit and purl stitching are longitudinal, and the first rows of a series thereof are of greater width than the last rows.

My invention will be further described by reference to the drawings.

Fig. 1 is a front perspective diagrammatic view of a garment made of the fabric of this invention as said garment is normally worn.

Fig. 2 is a front view, in diagrammatic form, of a portion of the fabric of this invention.

Fig. 3 is a sectional view of the fabric of this invention taken on lines 3-3 of Fig. 2 where due to the length of the fabric the section is broken into three pieces.

Fig. 4 is a sectional view of a series of permanent pleats in a garment made of the fabric of this invention taken on line 4-4 of Fig. 1.

Fig. 5 is a sectional view through the securing member of a garment made of the fabric of this invention taken on line 5-5 of Fig. 6.

Fig. 6 is a sectional view through the securing member of a garment made of the fabric of this invention taken on line 6-6 of Fig. 1.

There is provided garment 11 which is made of the fabric 12 comprising this invention.

Garment 11 is also provided with securing members 13, preferably of elastic material, disposed about the upper portion 14 of the said garment, so that the garment may be secured to the body of the wearer.

Fabric 12, of which garment 11 is composed, and which constitutes this invention, is composed of resilient yarn. The said resilient yarn is formed with a number of series 15 of parallel

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rows of knit 16 and purl 17 stitching. Knit stitching 16 projects from the front portion 18 of the fabric while purl stitching 17 projects from the rear portion 19 of the said fabric. Rows 16 and 17 are preferably longitudinal so that the pleats produced, as will be subsequently explained, will also be longitudinal.

It is pointed out that rows 16 and 17 of knit and purl stitching at the left side of series 15 are greater in width than rows 16 and 17 at the right side of series 15. Thus the stitching at the left side of series 15 is looser than the stitching at the right side of series 15. Since the yarn composing fabric 12 is resilient and since any knitted fabric is under a certain amount of tension the differing widths of rows 16 and 17 produce a permanent pleated effect in the said fabric. This effect is permanent since it is knitted in and neither wrinkling of the fabric in wearing, or conventional cleaning and pressing, will remove the said pleats.

In order to improve the appearance of the fabric, although not essential for the practice of this invention, between some of the series 15 of alternate rows of knit and purl stitching, an additional series 23 of longitudinal rows of knit 24 and purl 25 stitching is provided. In this case, however, the rows 24 and 25 are of equal width so that this series does not produce a pleat. In the preferred modification of this invention one of series 23 is placed between each four of series 15.

It is also pointed out that although the smaller size of rows 16 and 17 and stitches 21 and 22 are on the right side of the fabric reversal of this order would not cause the invention to become inoperative. It is also obvious that many changes and modifications would occur to one skilled in the art that would still be within the spirit and scope of the invention.

I claim:

1. A fabric composed of resilient yarn comprising a number of parallel longitudinal series of alternate parallel longitudinal rows of knit and purl stitching and wherein the first rows of each of the said series are greater in width than the latter rows of each of the said series so that the resiliency of the said yarn causes a permanent pleated effect in the said fabric.

2. A fabric composed of resilient yarn comprising a number of parallel longitudinal series of alternate parallel longitudinal rows of knit and purl stitching and wherein the first rows of each of the said series are greater in width than the latter rows of each of the said series so that the

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resiliency of the said yarn causes a permanent pleated effect in the said fabric, and additional parallel longitudinal rows of knit and purl stitching between some of the first named series, the last-named longitudinal rows being of equal width.

3. A fabric composed of resilient yarn comprising a number of parallel longitudinal series of alternate parallel longitudinal rows of knit and purl stitching and wherein the first rows of each of the said series are greater in width than the latter rows of each of the said series so that the resiliency of the said yarn causes a permanent pleated effect in the said fabric, and additional series of parallel longitudinal rows of knit and purl stitching of equal width between each four of the first-named series.

4. A skirt composed of resilient yarn comprising a number of parallel longitudinal series of alternate parallel longitudinal rows of knit and purl stitching and wherein the first rows of each of the said series are greater in width than the latter rows of each of the said series so that the resiliency of the said yarn causes a permanent pleated effect in the said skirt, and a securing member disposed about the upper portion of the said skirt.

5. A skirt composed of resilient yarn comprising a number of parallel longitudinal series of alternate parallel longitudinal rows of knit and purl stitching and wherein the first rows of each of the said series are greater in width than the latter rows of each of the said series so that the resiliency of the said yarn causes a permanent pleated effect in the said skirt, and additional parallel longitudinal rows of knit and purl stitching between some of the first-named series, the last named longitudinal rows being of equal width, and a securing member disposed about the upper portion of the said skirt.

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6. A skirt composed of resilient yarn comprising a number of parallel longitudinal series of alternate parallel longitudinal rows of knit and purl stitching and wherein the first rows of each of the said series are greater in width than the latter rows of each of the said series so that the resiliency of the said yarn causes a permanent pleated effect in the said skirt, additional series of parallel longitudinal rows of knit and purl stitching of equal width between each four of the said first-named series, and a securing member disposed about the upper portion of the said skirt.

SAMUEL FELDMAN.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
20,720	Landenberger	June 29, 1858
391,007	Munsing	Oct. 9, 1888
528,838	Wilson	Nov. 6, 1894
1,056,691	Kimes	Mar. 18, 1913
1,413,578	Freed	Apr. 25, 1922
1,597,410	Hinchliff	Aug. 24, 1926
2,077,033	Bleendes	Apr. 13, 1937
2,175,958	Getaz et al.	Oct. 10, 1939
2,201,980	Artzt et al.	May 28, 1940
2,384,392	Page	Sept. 4, 1945
2,493,675	Kuehnel	Jan. 3, 1950

FOREIGN PATENTS

Number	Country	Date
94,113	Austria	Sept. 10, 1923
378,484	Germany	July 17, 1923
425,560	Germany	Feb. 20, 1926
802,865	France	June 22, 1936