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J. T. PRICE

ELASTIC GARMENT

Filed July 28, 1922

FIG. I.

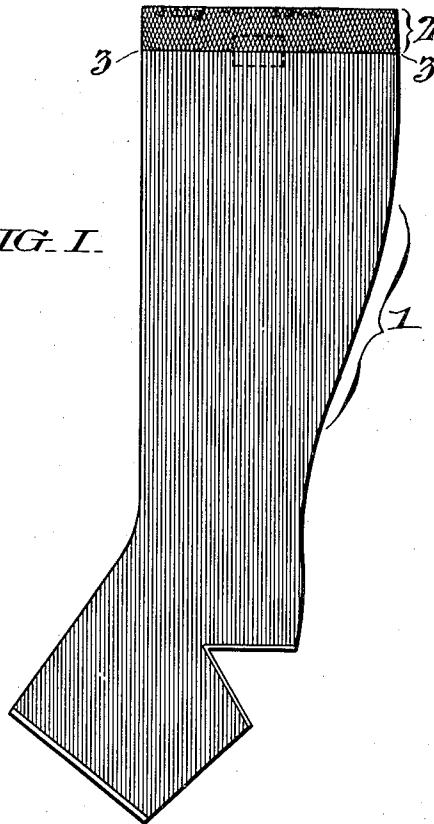
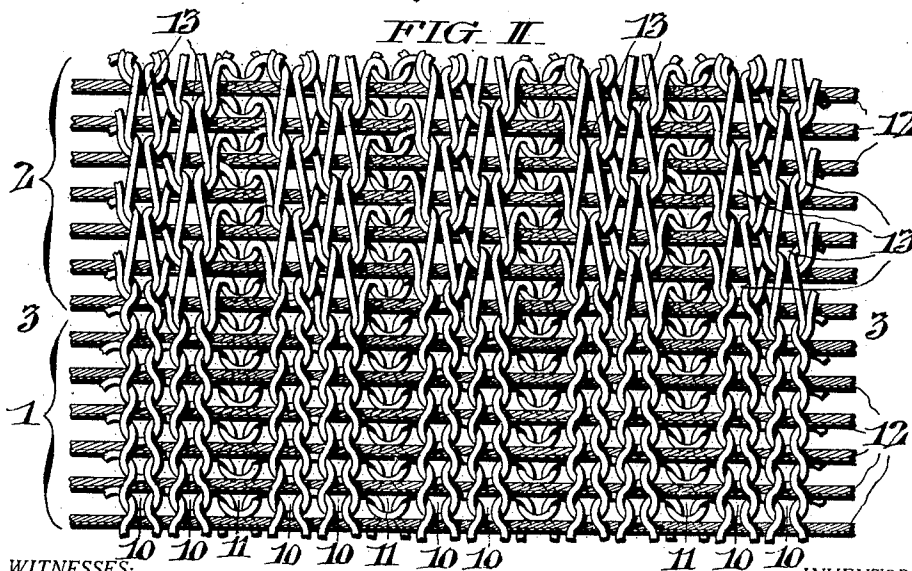


FIG. II.



WITNESSES:

*John C. Bergner*  
*Thomas W. Kerr, Jr.*

INVENTOR:

*Joseph T. Price,*  
 BY *Fralley & Paul*  
 ATTORNEYS.

# UNITED STATES PATENT OFFICE.

JOSEPH T. PRICE, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO HORN SURGICAL COMPANY, OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

ELASTIC GARMENT.

Application filed July 28, 1922. Serial No. 578,041.

*To all whom it may concern:*

Be it known that I, JOSEPH T. PRICE, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Elastic Garments, whereof the following is a specification, reference being had to the accompanying drawings.

This invention relates to the manufacture of elastic therapeutic garments, and an object of the invention is to provide an ornamental edging or finishing band as for instance around the top of a leg garment, and which is accomplished, in accordance with the present invention concurrently with the knitting of the garment.

In addition to the foregoing this invention comprehends improvements in a method of knitting fabric in the production of tubular one piece garments whereby the knitting needles are operated at proper intervals to produce tuck stitches which are arranged in such relation as to produce an ornamental or pattern effect in the finished garment.

In the accompanying drawings Fig. I, is a view in elevation of a leg garment illustrating the formation therein of an ornamental edge or top;

Fig. II, is a diagrammatic view—on a considerably enlarged scale—illustrating a portion of the fabric embracing both the plain and ornamental portions; or, in other words, that portion of the structure included within the dotted rectangle at the top of Fig. I.

The present invention is intended principally as an improvement in the manufacture of one piece knitted elastic garments, which are produced upon special machines embodying means for fashioning the garment to conform to that portion of the body upon which the garment is to be worn. The body of the garment indicated at 1 in Fig. I, consists of a ribbed fabric, preferably of the two and one type having the double ribs appearing upon the exterior as shown in Fig. II, in which 10 indicates the wales forming the double ribs and 11 the wales forming the single ribs appearing upon the inner face of the fabric. During the knitting of the fabric the elastic threads indicated at 12 are laid be-

tween the loops forming the inner and outer ribs and are thus enclosed there-between.

Owing to the constant tension of the elastic thread 12, the fabric, when not otherwise under strain presents exteriorly somewhat the appearance of a plain fabric since the double ribs 10 are drawn together crowding the single ribs 11 to the other side of the fabric. Therefore, Fig. II represents the appearance of the fabric as stretched crosswise against the tension of the elastic threads 12 resulting in the separation of the double ribs 10, the purpose of which is to more effectively indicate the relation of the loops forming the fabric.

The ornamental edging or top is indicated at 2 in Fig. I, and the line of demarcation between the plain fabric and the ornamental fabric is shown at 3—3. As stated above Fig. II, illustrates a section of the fabric enclosed within the dotted rectangle of Fig. I and therefore includes both the plain and ornamental portions of the fabric, the line 3—3, as in Fig. I indicating the line of demarcation between the two portions of the fabric. The top or ornamented portion 2 is formed of tuck stitches 13, the nature of which will be readily understood by those familiar with this art. By reference to Fig. II, it will be seen that during each course of knitting of the ornamental portion 2 of the fabric alternate needles casting the double rib loops 10 are actuated to cast tuck stitches 13 which, by reason of their relatively staggered arrangement present an ornamental or pattern effect in the finished fabric, suggesting when any portion is viewed as an entirety a series of diagonally crossed lines. The effect is brought about by reason of the staggered relation of the elongated loops forming the tuck stitches 13 and because the ribs 10 in which said tuck stitches occur are normally drawn together under the influence of the constantly tensioned elastic cords 12, which extend through the ornamented fabric as well as the plain fabric.

In this manner a one piece garment formed of ribbed fabric may be supplied, during the course of knitting, and in one operation with an ornamental edging or top, and it will be obvious that the same effect may be produced in another pattern of

ribbed fabric incorporating elastic threads. If desired other kinds of garments such as bandages, belts etc., may be provided with an ornamental edging at each end. It is to be noted that the formation of the ornamental effect by the use of tuck stitches in no way prevents sidewise stretching of the fabric but permits the elastic threads to stretch and take up as freely as in the plain portions of the fabric.

I claim:

1. As a new article of manufacture, a garment characterized by an integrally-knit ornamental edging of tucked stitches and elastic inlay thread.

2. As a new article of manufacture, a garment comprising a body portion of ribbed fabric and an integral ornamental edging consisting of tucked stitches incorporating elastic thread.

3. A garment comprising a body portion of ribbed fabric and an integrally-knit ornamental edging consisting of relatively staggered tucked stitches with incorporated elastic inlay thread.

4. A therapeutic garment comprising a body portion of ribbed fabric and an integral ornamental edging consisting of tucked stitches, the tucked stitches in one course being arranged in staggered relation to those of an adjoining course, and incorporating elastic inlay thread.

5. A therapeutic garment comprising a body portion of ribbed fabric having double ribs on one side and single ribs on the other

side, and an integral ornamental edging with elastic inlay thread produced by tucking the stitches of the double ribs.

6. A therapeutic garment comprising a body portion of ribbed fabric having double ribs on one side and single ribs on the other side, and an integral ornamental edging with elastic laid in thread produced by tucking alternately the loops of adjoining double ribs.

7. A therapeutic garment comprising a body portion of ribbed fabric having elastic laid in threads, and an integral ornamental edging consisting of tucked stitches, the elastic thread extending through the edging also.

8. A therapeutic garment comprising a body portion of double ribbed fabric, having elastic threads laid in between the ribs, and an integral ornamental edging formed by tucking alternately the loops of adjoining wales, the elastic threads extending through the edging also.

9. A therapeutic knit garment comprising a body portion of fabric having double ribs on one side alternating with single ribs on the other side, an integral ornamental edging produced by alternately tucking the loops of adjoining double ribs, and elastic inlay thread extending continuously through said body portion and edging.

In testimony whereof, I have hereunto signed my name at Philadelphia, Pennsylvania, this twenty-sixth day of July, 1922.

JOSEPH T. PRICE.