

Sept. 17, 1935.

W. H. COLLER, JR

2,015,002

STOCKING

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FIG. III.

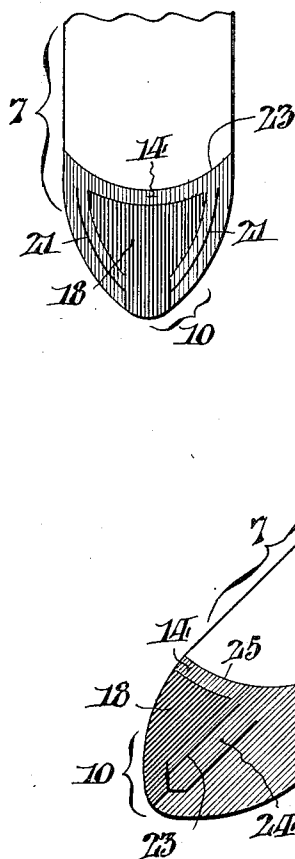


FIG. I.

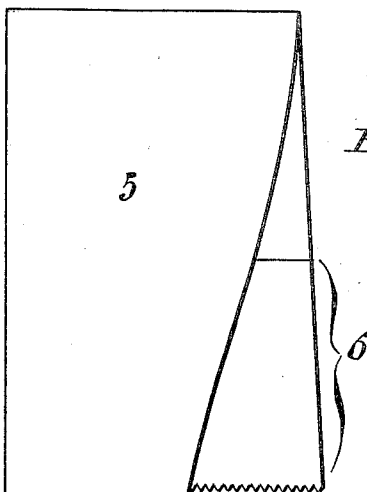


FIG. II.

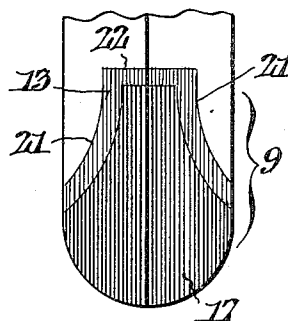
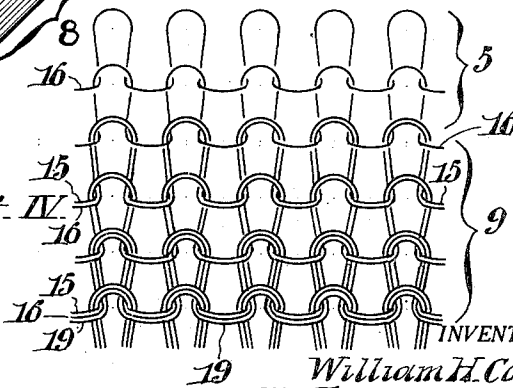


FIG. IV.



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STOCKING

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Renewed July 19, 1934

1 Claim. (Cl. 66—182)

This invention relates to stockings; and it is concerned more particularly with the reinforcement of those parts of stockings which are subjected to the greatest wear.

Ordinarily, stockings are reinforced in the heel, toe and sole portions by a splicing yarn which is interknit at these regions with the main yarn employed in the body of the stocking. Notwithstanding such reinforcement, ruptures frequently occur in the double knit parts especially at the high heel through abrasion with the top edge of the shoe upper, and at the top of the toe tip through cutting by the toe nails.

The aim of my invention is to overcome the foregoing drawbacks inherent to ordinary stockings by further strengthening them at the indicated regions by employing an additional splicing yarn and interknitting the same with the usual splicing yarn and the body yarn, with attendant formation of triple thickness areas of close texture fabric which are highly resistive to rupture under the conditions noted.

In the drawing, Fig. I shows the side view of a full fashioned ladies' stocking embodying my invention.

Fig. II is a fragmentary rear view showing the heel of the stocking.

Fig. III is a fragmentary view showing the top of the toe of the stocking; and

Fig. IV is a diagrammatic view of the portion of the stocking fabric within the dotted rectangle A in Fig. I showing the character of my improved reinforcement.

Referring first more particularly to Figs. I, II and III of these illustrations, the leg portion of the stocking is indicated at 5, a welt top at 6, and the foot at 7. As usual, the sole 8, heel 9 and the toe 10 of the stocking foot 7 are reinforced as conventionally indicated by the light shading at 12, 13 and 14, by interknitting a splicing yarn 15 (Fig. IV) with the main yarn 16 employed in the body of the stocking.

In order to further strengthen the foot of the stocking, particularly those parts, namely the back of the heel 9 and the top of the toe 10 which are called upon to withstand the greatest amount of wear respectively through abrasion with the top edge of the shoe upper and by the toe nails, I provide said heel and toe respectively with areas 17, 18 (conventionally indicated by heavy shading) in which, as instanced in Fig. IV, an additional splicing yarn 19 is interknit with the usual splicing yarn 15 and the body yarn 16. The special reinforcements 17, 18 may obvi-

ously be extended over the entire areas of the heel 9 and toe 10 if desired, but for the sake of economizing in yarn and to emphasize them, I preferably confine them as shown to the center of the heel 9 and the top of the toe 10. It will be noted that in the illustrated instance, the boundaries of the special reinforcement 17 are substantially parallel to the heel sutures 20 and the limiting lines 21, 22 of the usual reinforcement 13. In a like manner, the boundaries of the special reinforcement 18 of the toe 10 extend substantially parallel to the upper sutures 23 of the "diamond points" 24 and the limit line 25 of the usual reinforcement 14. The special reinforcements thus lend character to the stocking, and if a contrastingly colored splicing yarn 19 is used, a pleasing ornamental effect is obtained.

When the stocking is knit with a body yarn 16 of silk and a usual splicing yarn 15 of cotton, I preferably employ a silk yarn 19 to produce the special reinforcements 17, 18, and by proper feeding of the yarn 19 incident to the knitting, insure its appearance at the face of the fabric. Furthermore, in knitting stockings of fine gage, I preferably employ a yarn 19 of somewhat smaller gage than that of the usual splicing and body yarns 15, 16 to preclude bulkiness in the special reinforced areas.

Although I have described my invention in connection with a full fashioned stocking, it is not to be considered as limited to this type of stocking alone, since similar special reinforcements may be incorporated in seamless stockings in a manner which will be readily apparent to those skilled in the knitting arts.

Having thus described my invention, I claim:

As a new article of manufacture, a stocking having the heel, foot and toe reinforced by a splicing yarn interknit with the body yarn, said stocking having at the back of the heel and top of the toe special areas respectively interknit with an additional splicing yarn, the boundaries of the special heel area being substantially parallel to the heel sutures and the limiting lines of the usual reinforcement defined by the first mentioned splicing yarn, and the boundaries of the special toe area extending substantially parallel to the upper sutures of the conventional diamond points and the limit line of the usual toe reinforcement defined by the first mentioned interknit splicing yarn.

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