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C. F. KAPPLER

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KNITTED FABRIC

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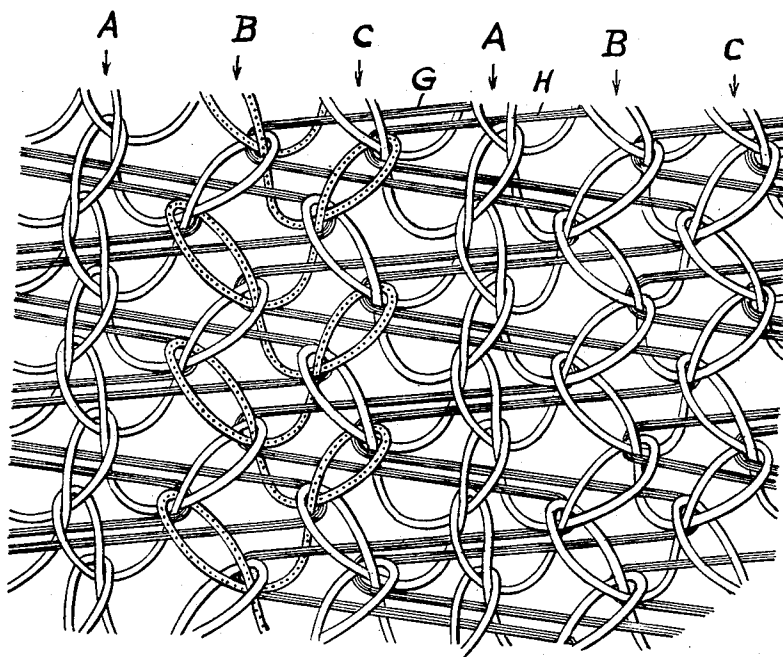


FIG. 1.

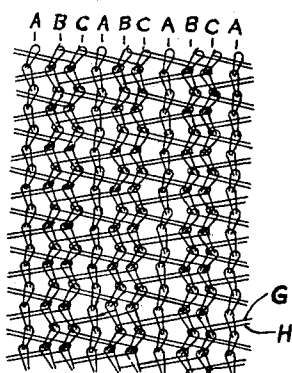


FIG. 2.

WITNESS:

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KNITTED FABRIC

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Application January 10, 1939, Serial No. 250,095

1 Claim. (Cl. 66—192)

This invention relates to a knitted fabric.

More particularly the fabric according to this invention comprises a series of interconnected loops, forming in effect a warp, and a weft by which certain of the series of loops are tied and which floats with respect to other series. The structure results in a fabric of open mesh-like appearance and composed of wales alternately comprising a pair of adjacent series of loops oppositely tied by the weft threads and a single series of loops with respect to which the wefts float.

The fabric contemplated here is of relatively simple structure, is easily made and is adapted to various uses chief among which is as a carrier for an antiseptic or medicament. The fabric may be distorted in any direction and readily brought back to normal and will not ravel out on cutting.

Having indicated in a general way the nature and purpose of this invention, I will now proceed to a description thereof in detail with reference to the accompanying drawing, in which:

Figure 1 is an enlarged view of a section of fabric embodying this invention.

Figure 2 is a view showing more particularly the arrangement of the weft threads with respect to the series of loops forming the warp.

Referring now more particularly to Figure 1, A, B and C are series of loops formed by knitting. The particular stitch shown for the formation of the several series of loops is the well known nubia stitch by which each of the threads is caused to form a loop of one series and is then carried across to form a loop in an adjacent series and is then

carried back to form a loop in the first series and so on. G and H are weft or filling threads which extend back and forth transversely to the extension of the lines of loops A, B and C and which tie pairs of series of loops adjacent to a series with respect to which they float.

From an inspection of Figure 2, it will be noted that the weft threads G and H respectively tie the series B, C adjacent to and on opposite sides of the series A, extending first in one direction and then in the opposite direction, floating with respect to the series A and acting to draw the series of the pairs B, C together and to draw the pairs of series oppositely at alternate loops, while leaving the series of loops A free except for the connection to the adjacent series C and B resultant from the formation of the nubia stitch.

What I claim and desire to protect by Letters Patent is:

A warp knit fabric comprising warp lines of concatenated loops formed of threads extending in zig-zag formation between adjacent lines, and pairs of weft threads, every third line being free of engagement by any weft threads and having floating over it one of said pairs of weft threads, one of the weft threads of the pair being tied into a line adjacent said free line on one side thereof and into the second line therefrom on the other side thereof, and the other weft thread of the pair being oppositely disposed relative to said free line.

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