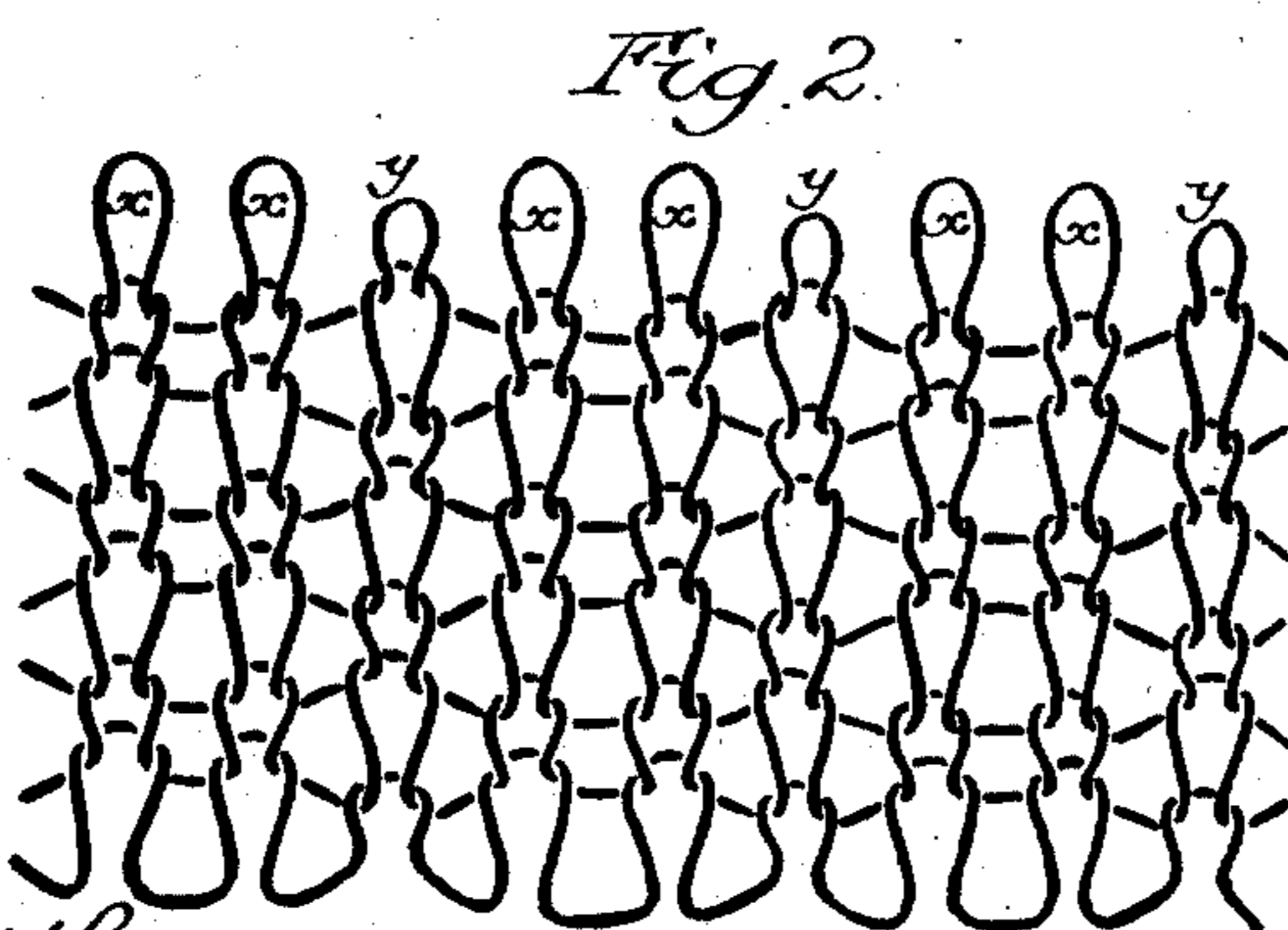
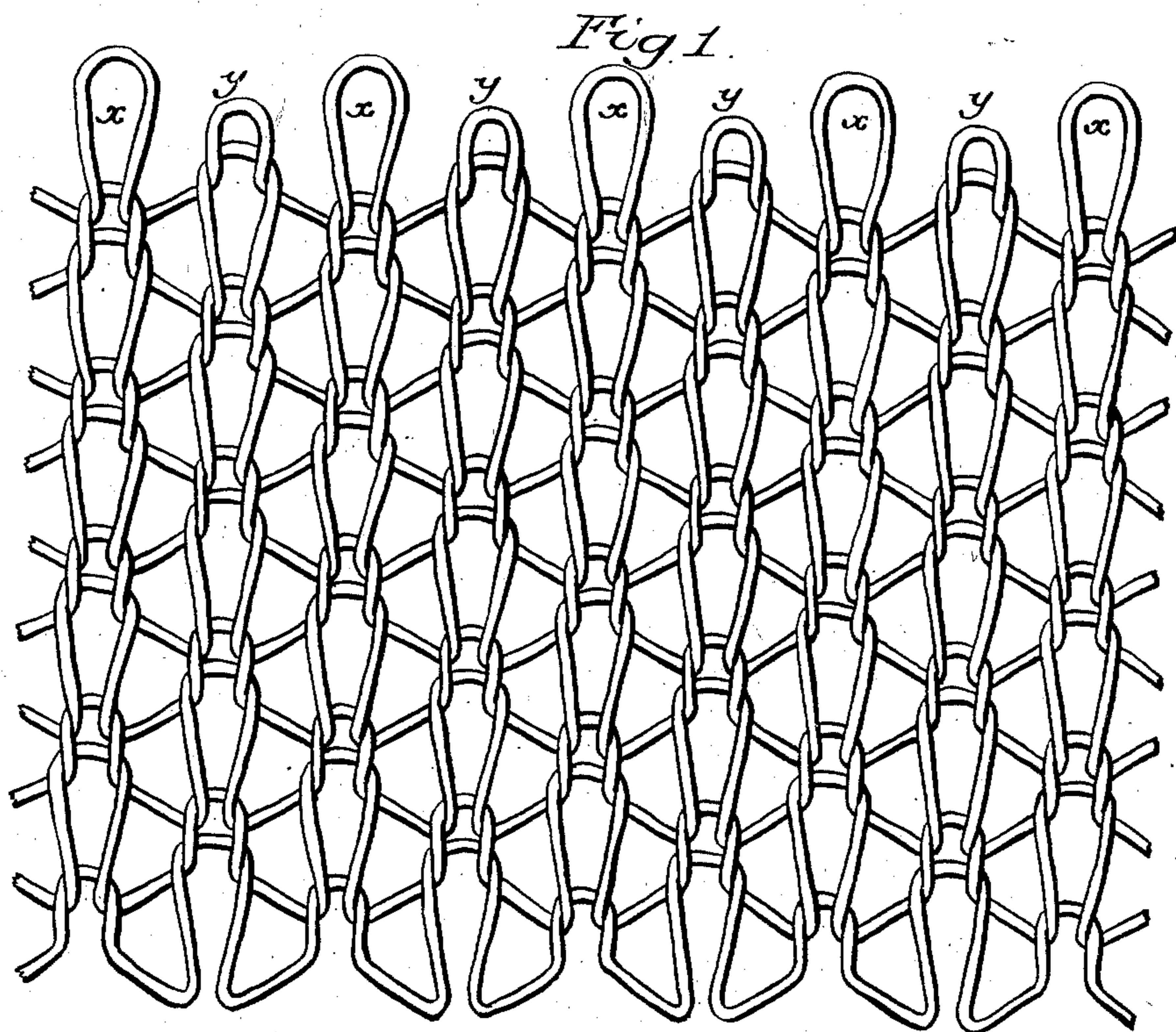


928,221.

R. W. SCOTT.
KNITTED FABRIC.
APPLICATION FILED NOV. 10, 1908.

Patented July 13, 1909.



Witnesses
Harry L. Smith
Hamilton J. Turner

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UNITED STATES PATENT OFFICE.

ROBERT W. SCOTT, OF LEEDS POINT, NEW JERSEY, ASSIGNOR TO GENERAL KNIT FABRIC COMPANY, OF UTICA, NEW YORK, A CORPORATION OF NEW YORK.

KNITTED FABRIC.

No. 928,221.

Specification of Letters Patent.

Patented July 13, 1909.

Application filed November 10, 1908. Serial No. 461,982.

To all whom it may concern:

Be it known that I, ROBERT W. SCOTT, a citizen of the United States, residing at Leeds Point, Atlantic county, New Jersey, have invented certain Improvements in Knitted Fabrics, of which the following is a specification.

My invention consists of a knitted web possessing certain characteristics which distinguish it from an ordinary knitted web of its class, one of such characteristics being that although the web may be light in weight and present the appearance of being knitted very slack, it possesses features of stability and resiliency not possessed by an ordinary slack-knitted web, another characteristic being a mesh construction which imparts an attractive appearance to the web and improves the sanitary qualities of a garment made therefrom.

In the accompanying drawing Figure 1 illustrates, on a much exaggerated scale, a piece of knitted web made in accordance with my invention, and Fig. 2 is a view on a somewhat smaller scale of another form of the improved web.

The distinguishing characteristic of the improved web shown in Fig. 1 is that it presents, both in the needle wales and courses, alternations of long stitches x and short stitches y , the disposition of the long and short stitches being reversed in successive courses. This result is attained by using in the knitting machine two sets of needles and employing, at each yarn feed, a long-draft cam and a short-draft cam, each acting upon its respective set of needles, the disposition of these cams being reversed at successive feeds, whereby the needles which draw long stitches at one feed will draw short stitches at the next feed, and vice versa.

In my improved fabric the eyelet holes or meshes formed by the long stitches, are in a zigzag relation to one another which imparts an attractive appearance to the knitted web, and, as the larger stitches are the dominating ones, the ventilating and sanitary properties of a garment made from the improved web are enhanced.

While the improved web presents the ap-

pearance of being knitted slack the alternation of the long slack stitches with the smaller and closer stitches imparts to the web characteristics of stability and resiliency not possessed by an ordinary web having slack or loosely knitted stitches throughout, and I am therefore enabled to use fine yarn and to draw the slack stitches so long that the fabric may be of light weight without loss of stability, the lesser weight of yarn tending to economical production.

Although I have shown my invention as embodied in a web in which the long and short stitches alternate in successive single wales and courses, the same length of stitch may, if desired, prevail throughout two or more successive wales or courses, or wales and courses, if desired, within the broader embodiment of my invention, and in Fig. 2, I have shown a web in which the large and small stitches alternate alike in pairs of wales separated by a single wale in which the alternation is reversed.

I claim:

1. A knitted web having both in the courses and wales stitches of relatively large size alternating with stitches of smaller size.
2. A knitted web having, in one and the same course, stitches of relatively large size alternating with stitches of smaller size, and having the disposition of the stitches reversed in successive courses.
3. A knitted web having stitches of relatively large size alternating with stitches of smaller size in single courses, and, in single courses alternating therewith, a reverse disposition of the long and short stitches.
4. A knitted web having stitches of relatively large size alternating with stitches of smaller size in single courses and single wales, and, in single alternating courses and single alternating wales, a reverse disposition of the long and short stitches.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

ROBERT W. SCOTT.

Witnesses:

HAMILTON D. TURNER,
KATE A. BEADLE.