

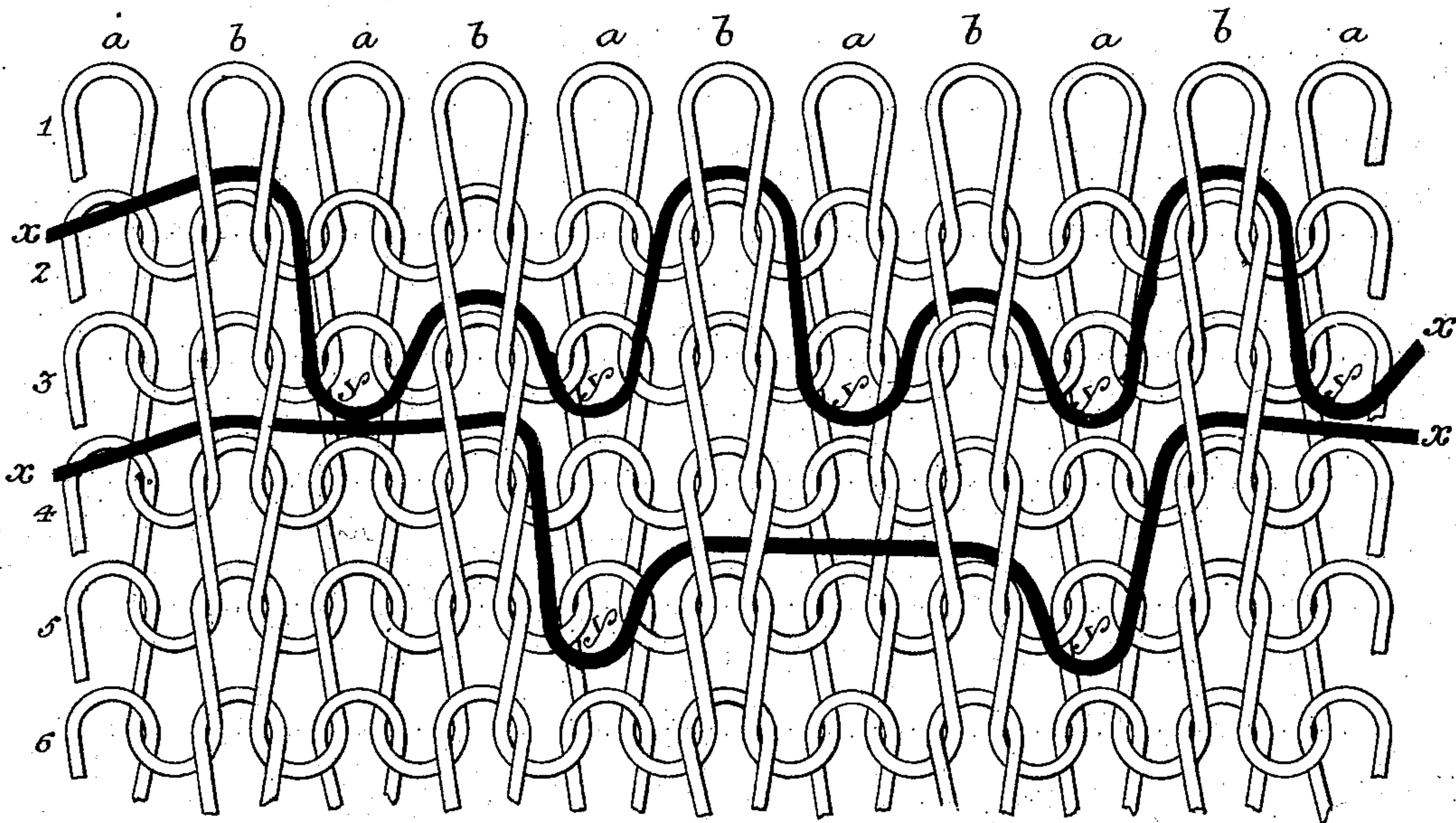
No. 709,825.

Patented Sept. 23, 1902.

R. W. SCOTT.
KNITTED FABRIC.

(Application filed Feb. 10, 1902.)

(No Model.)



Witnesses:-

Titus H. Brown.

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UNITED STATES PATENT OFFICE.

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KNITTED FABRIC.

SPECIFICATION forming part of Letters Patent No. 709,825, dated September 23, 1902.

Application filed February 10, 1902. Serial No. 93,321. (No specimens.)

To all whom it may concern:

Be it known that I, ROBERT W. SCOTT, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain
5 Improvements in Knitted Fabrics, of which the following is a specification.

My invention relates to that class of ribbed knitted fabrics with which is combined a yarn having projecting loops which can be sub-
10 mitted to a brushing or gigging action, so as to produce a fleecy surface upon one side of the fabric.

The object of my invention is to distribute the points of attachment of the fleecing-yarn
15 throughout the fabric more uniformly than usual and to insure the more effective covering of the face of the fabric with the fleece produced by the brushing of the projecting portions of said yarn. This object I attain
20 in the manner hereinafter set forth, reference being had to the accompanying drawing, which represents, on an exaggerated scale, a piece of ribbed knitted fabric having a fleecing-yarn combined therewith in accord-
25 ance with my invention.

In the drawing, 1 2 3 4 5 6 7 represent successive courses of stitches interlooped so as to form a ribbed fabric, some of these stitches being drawn in one direction, so as to form
30 the face wales *a* of the web, and the alternate stitches *b* being drawn in the opposite direction, so as to form the back wales of the web. Combined with the knitted wales thus disposed are courses of fleecing-yarn *x*, this
35 fleecing-yarn passing between the face and back wales of the fabric and being projected on the back of the fabric, so as to form loops *y*, which extend rearwardly beyond the back wales *b* and can therefore be brushed in
40 order to form the desired fleece without any injury to the knitting-yarn of which the back wales *b* of the fabric are composed.

It is usual to employ a course of fleecing-yarn for every other course of the knitted
45 fabric, the fleecing-yarn passing between the stitches of the face and back wales of every other course and being projected beyond the stitches of the back wales; but this is objectionable, because if, as frequently hap-
50 pens, the fleecing-yarn is visible between the wales on the face of the fabric it imparts to those courses of the fabric in which it is in-

troduced an appearance differing from the intervening courses, and therefore detracts from the desired appearance of uniformity
55 on the face of the fabric. In order to overcome this objection I engage the fleecing-yarn first with a stitch of one course and then with a stitch of another course of the fabric. Thus, as shown in the drawing, the
60 uppermost fleecing-yarn *x* passes first behind a stitch in the rear wale *b* of course 1 of the fabric, then behind a stitch in the rear wale *b* of course 2, then behind a stitch in the rear
65 wale *b* of course 1, then behind a stitch in the rear wale *b* of course 2, and so on, the next fleecing-yarn *x* being likewise disposed in respect to stitches in pairs of rear wales *b* of
70 courses 3 and 4, and so on. By this means the tying-points of each row of fleecing-yarn are distributed uniformly between stitches in every other wale *b* of one course of the fabric and stitches in alternate wales *b* of the
75 next course of the fabric. Hence if there is any showing of fleecing-yarn between the face wales of the fabric such showing is uniform throughout said face and does not detract from the uniform appearance of the lat-
80 ter. This zigzag method of attachment of the fleecing-yarn to the stitches of the body of the fabric also insures a more effective covering of the back of the fabric by the fleece produced by brushing the said yarn. Hence
85 the appearance of the fabric both as to face and back is improved as a result of my in-

vention.
Having thus described my invention, I claim and desire to secure by Letters Patent—

A ribbed knitted fabric having a fleecing-
90 yarn combined therewith and engaging first a wale, or wales, in one course, and then a wale or wales, in another course of the fabric, thereby providing a zigzag disposition of the points of attachment of said fleecing-yarn,
95 substantially as specified.

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

ROBERT W. SCOTT.

Witnesses:

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