

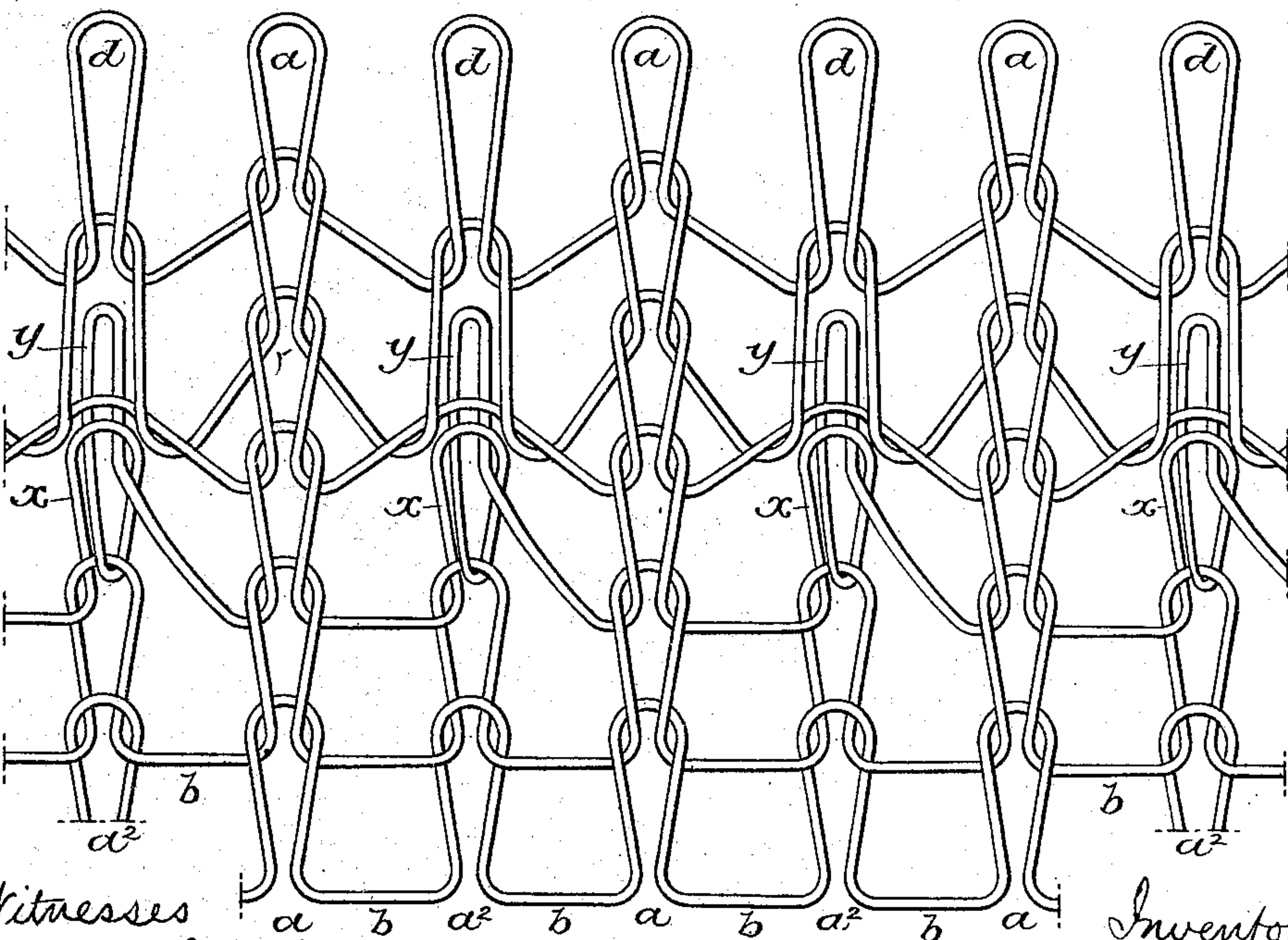
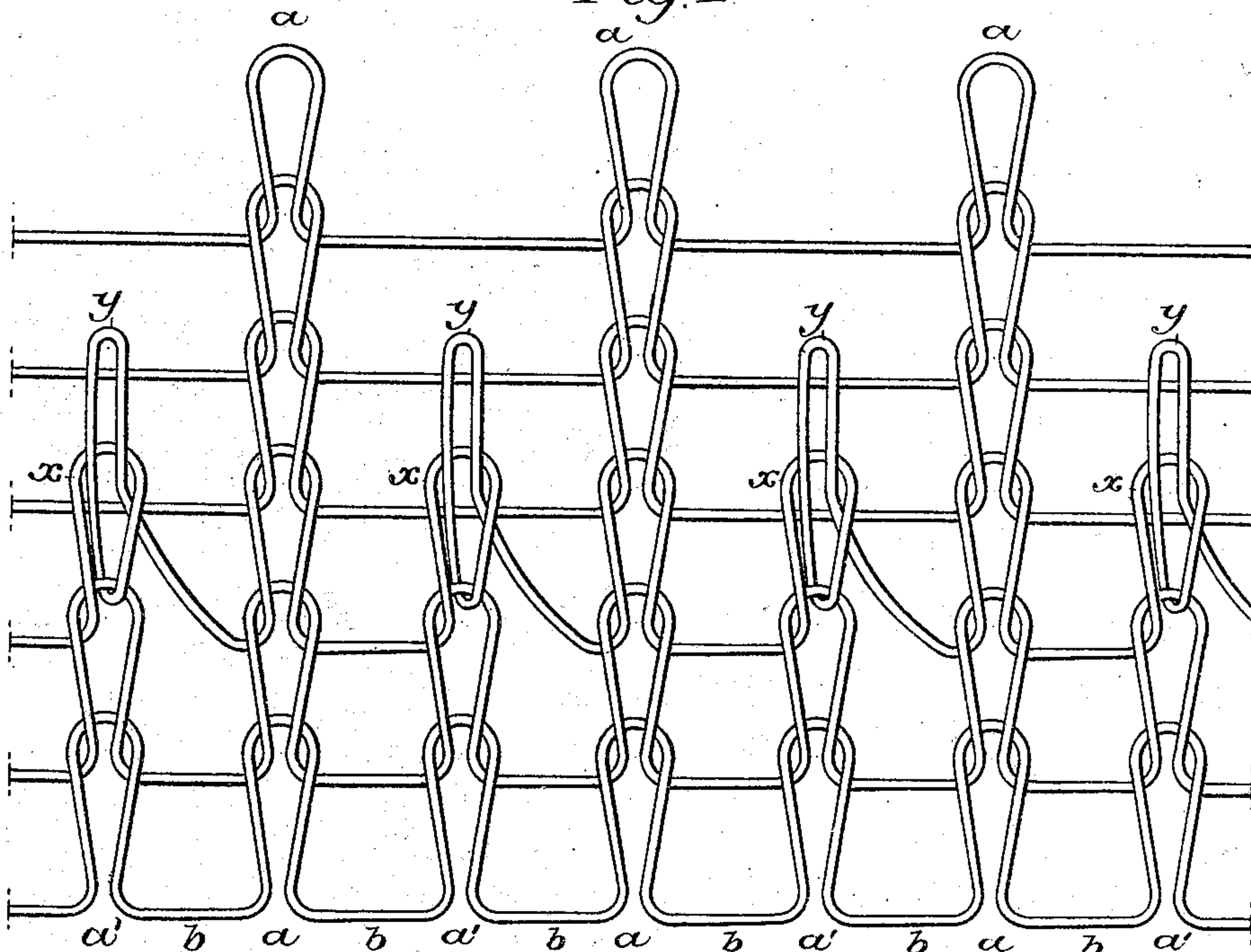
No. 885,793.

PATENTED APR. 28, 1908.

R. W. SCOTT.  
KNITTED FABRIC.

APPLICATION FILED JUNE 5, 1907.

Fig. 1



Witnesses  
Harry D. Smith  
Kamilton D. Turner

Fig. 2.

Inventor  
Robert W. Scott  
by his Attorneys  
Smith & Tazier



# UNITED STATES PATENT OFFICE.

ROBERT W. SCOTT, OF LEEDS POINT, NEW JERSEY, ASSIGNOR OF ONE-HALF TO LOUIS N. D. WILLIAMS, OF OGONTZ, PENNSYLVANIA.

## KNITTED FABRIC.

No. 885,793.

Specification of Letters Patent.

Patented April 28, 1908.

Application filed June 5, 1907. Serial No. 377,421.

*To all whom it may concern:*

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

My invention relates to a knitted fabric, either ribbed or plain, or partly ribbed and partly plain, and having the number of its wales reduced by discontinuing some of them, or having discontinued wales of one face supplanted by corresponding wales of the other face, the object of my invention being to prevent "running-back" of the terminal stitches of the discontinued wales. This object I attain in the manner hereinafter set forth, reference being had to the accompanying drawing, in which

Figure 1 is an exaggerated view of a plain web having the number of its wales reduced by discontinuing some of them, the latter wales having their terminal portions knitted in accordance with my invention to prevent running-back of the same, and Fig. 2 is a similar view of a web, partly ribbed and partly plain, discontinued rib wales of said web being supplanted by corresponding plain stitch wales.

Fig. 1 of the drawing illustrates a plain web, that is to say one having all of its stitches formed by a single set of needles, and drawn to the same face of the web, the wales  $a$  being the standing wales, which are continued throughout the web, and the wales  $a'$  being the discontinued wales which are present only in the wider or more closely knitted portion of the web. In order to prevent the running-back of the terminal stitches  $x$  of these discontinued wales, I pull through each of said terminal stitches, a loop  $y$  drawn from an adjoining sinker wale  $b$ . When, therefore, any strain is exerted upon a terminal loop  $x$  tending to draw it through the preceding stitch of its wale, said loop  $x$  will be tightened upon the loop  $y$ , thus forming a knot which will prevent any further slipping of the loop  $x$ , and will thus prevent the running-back of the discontinued wale of which it forms a part, the length of the loops  $y$  being sufficient to prevent them from being drawn through the loops  $x$  by any strain which is likely to be exerted upon the stitches of the standing wales  $a$ .

The web shown in Fig. 2 is partly ribbed

and partly plain,  $a$  representing the standing wales of plain stitches which are contained throughout both portions of the web,  $a'$  representing the discontinued rib wales, and  $d$  the plain wales which supplant said discontinued rib wales and alternate with the standing wales  $a$  of the web, and it will be evident that, in like manner, discontinued plain wales can be supplanted by rib wales alternating with the standing wales. The terminal stitches  $x$  of the discontinued rib wales shown in Fig. 2 are prevented from running back by drawing through them loops  $y$  from adjoining sinker wales  $b$ , in the same manner as in Fig. 1. The sinker wale loop  $y$  can be formed by transferring the sinker wale yarn to an adjoining needle, and then drawing a loop of said sinker wale yarn by said needle, and at the same time casting off the stitch already upon the latter, the sinker wale loop being cast off on the next operation of the needle, and the latter being then retired from action. As showing mechanism available for the purpose, I may refer to my Letters Patent No. 846,430, dated March 5th, 1907.

Although I have shown in Fig. 2 a one-and-one ribbed web, my invention is applicable to other forms of ribbed web, and in such cases the discontinuance of some of the wales, whether or not the same are supplanted by wales of the other face, may simply be for the purpose of changing the character of the rib, the web preserving a ribbed form throughout.

I claim:—

1. A knitted web having discontinued wales whose terminal stitches are engaged by loops drawn from adjoining sinker wales of the web.

2. A knitted web having discontinued wales whose terminal stitches are engaged by loops drawn from adjoining sinker wales of the web, said discontinued wales being supplanted by wales of another face of the web.

3. A knitted web, partly ribbed and partly plain, having discontinued wales whose terminal stitches are engaged by loops drawn from adjoining sinker wales of the web, said discontinued wales being supplanted by wales of another face of the web.

4. A knitted web having discontinued rib wales whose terminal stitches are engaged by loops drawn from adjoining sinker wales of the web.

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5. A knitted web, partly ribbed and partly plain, having discontinued rib wales whose terminal stitches are engaged by loops drawn from adjoining sinker wales of the web.
- 5 6. A knitted web having discontinued rib wales whose terminal stitches are engaged by loops drawn from adjoining sinker wales of the web, said discontinued rib wales being replaced by plain wales.
- 10 7. A knitted web, partly ribbed and partly plain, having discontinued rib wales whose

terminal stitches are engaged by loops drawn from adjoining sinker wales of the web, said discontinued rib wales being replaced by plain wales.

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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.