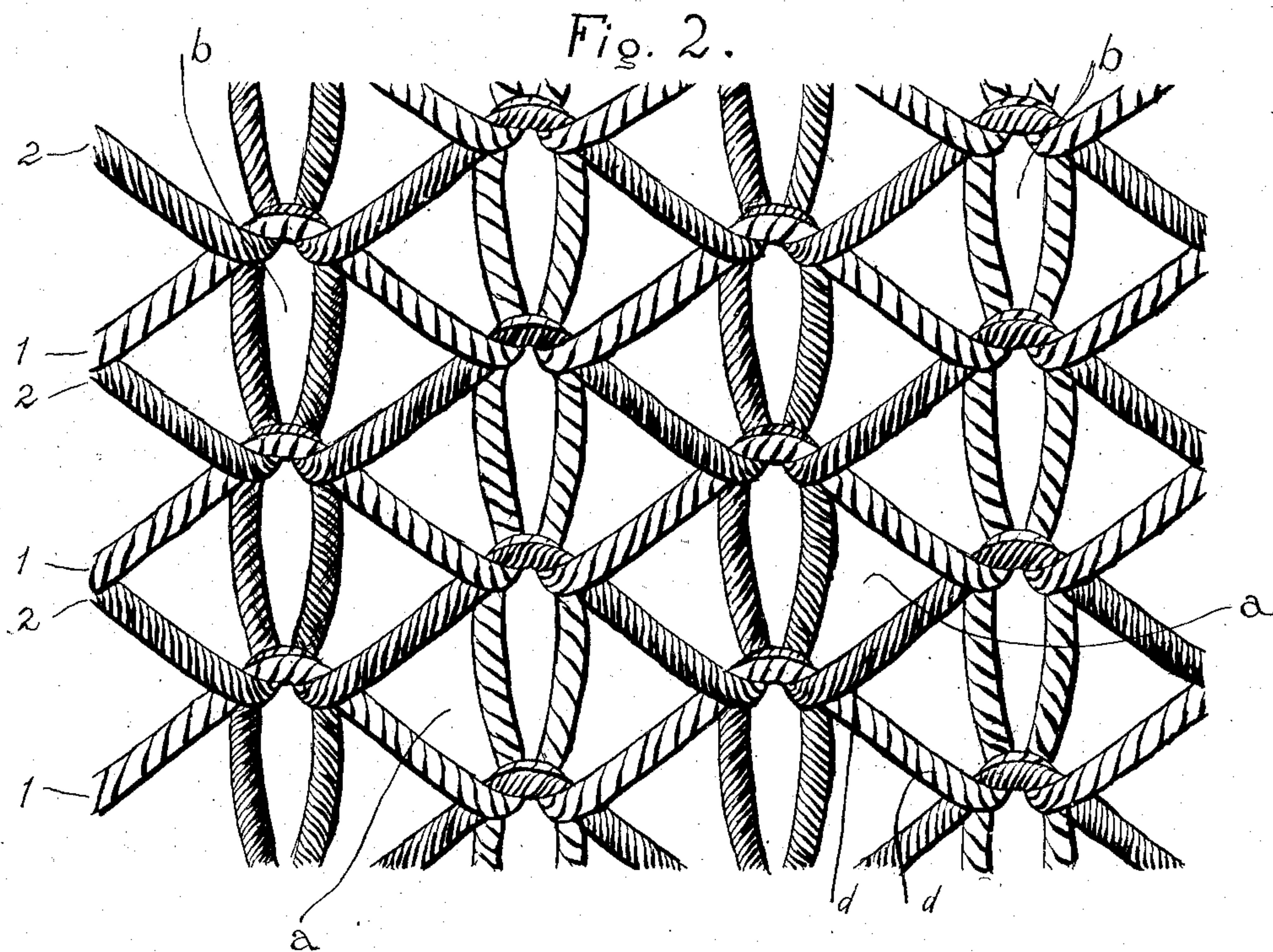
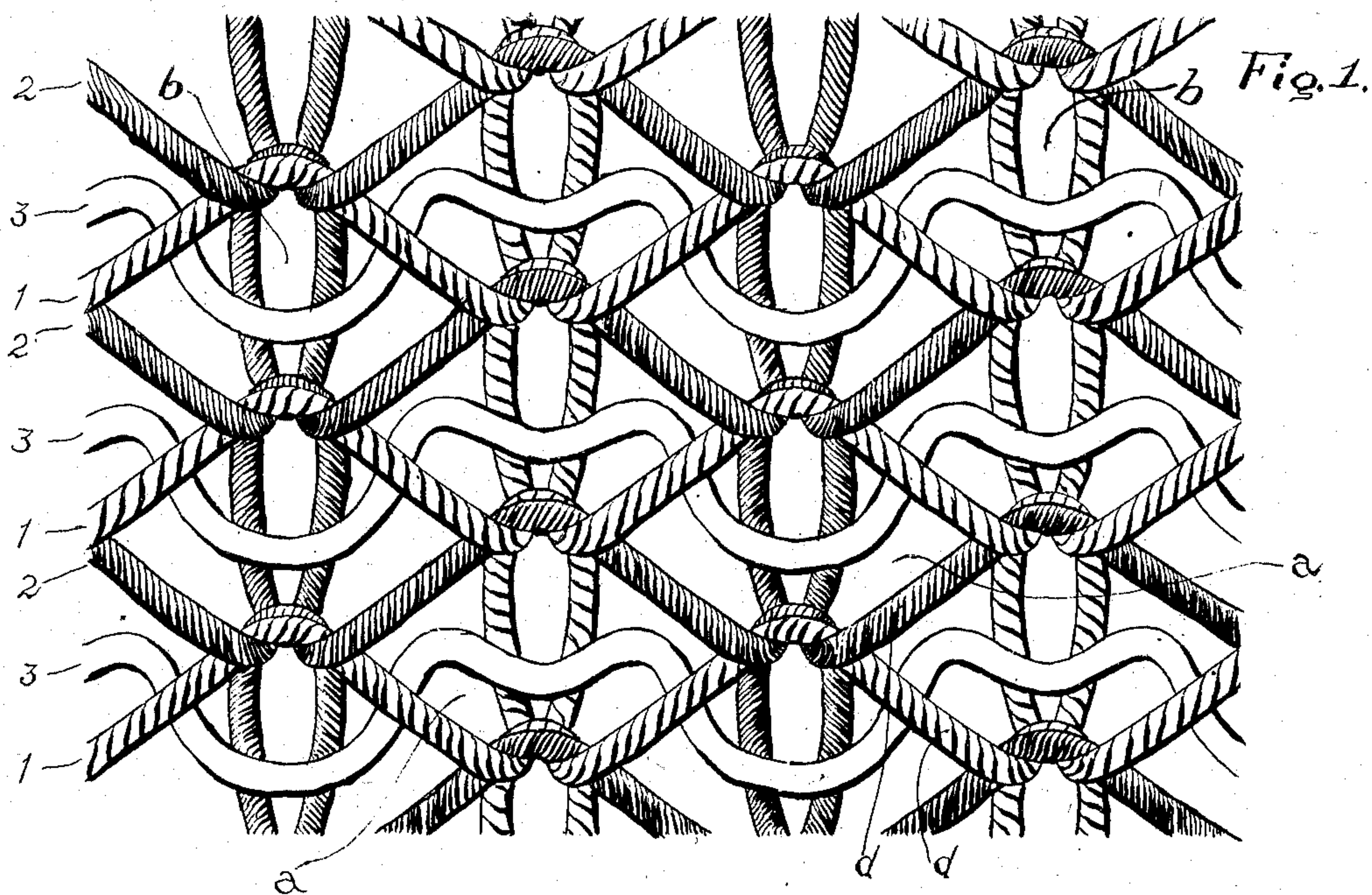


No. 865,279.

PATENTED SEPT. 3, 1907.

B. T. STEBER.
KNITTED FABRIC.
APPLICATION FILED FEB. 26, 1906.



WITNESSES.

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UNITED STATES PATENT OFFICE.

BERNARD T. STEBER, OF UTICA, NEW YORK, ASSIGNOR TO THE STEBER MACHINE COMPANY
OF UTICA, NEW YORK, A CORPORATION OF NEW YORK.

KNITTED FABRIC.

No. 865,279.

Specification of Letters Patent.

Patented Sept. 3, 1907.

Application filed February 26, 1906. Serial No. 303,011.

To all whom it may concern:

Be it known that I, BERNARD T. STEBER, a citizen of the United States, residing at Utica, in the county of Oneida and State of New York, have invented a new and useful Improvement in Knitted Fabric, of which the following is a specification.

My invention relates to that class of ribbed knitted fabrics, which have wales on one side and meshes on the opposite side, and with which is combined a yarn having projecting loops which can be submitted to a brushing or gigging action, so as to produce a fleecy surface upon one side of the fabric. The base fabric is formed of an alternating series of longitudinal wales, knit each from a different yarn, or from the same yarn at different times if so desired. The stitches forming the wales are all drawn toward the outside of the fabric. The loops forming each wale, each include a portion of the other yarn connecting the two neighboring loops at the back of the fabric. The connecting portions of the loops form four-sided meshes on the back of the fabric, which thus exhibits on one face parallel longitudinal wales alternately of different yarns and on the other side lozenge shaped meshes or reticulations formed by the connecting legs of the loops.

The object of my invention is to produce a fabric having superior wearing qualities a considerable amount of elasticity, and a ribbed face side, resembling very nearly the "Strutt" rib in conjunction with a fleece side. I attain this object by knitting a fabric from a plurality of threads, the fabric being of double thickness, each thread or series of threads forming independent wales alternately arranged, the connecting threads of each set of wales being interknitted with the intervening wales the wales forming the ribs of one side of the cloth, and the connecting threads forming meshes on the opposite side, the fleecing thread being laid between the wales and meshes.

In the drawings accompanying and forming part of this specification, Figure 1 represents in exaggerated form, a complete piece of my fabric. Fig. 2, a piece of fabric having the fleecing thread withdrawn.

1 and 2 represent successive courses of stitches, 3—3 the floating threads forming the fleecing loops and —a—a— are the meshes and b. b. the wales.

It will be observed that the fleecing thread, 3, is in-laid between the wale threads b, and the mesh threads, d. And that it is drawn in loops or piles through the meshes —a—a— and that it can be drawn in any desired lengths, and can easily be brushed or napped to form fleece, without weakening the knitted portion of the

fabric in the least. By knitting a fabric in this manner I am enabled to insert a very considerable proportion of fleecing thread with reference to the finished fabric, as it will be observed that it is possible to draw a fleecing loop through each and every mesh comprising the inner face of the fabric if so desired.

I have produced this fabric in several ways, but would call especial attention to my knitting machine patent 810,578 issued Jan. 23d 1906 which describes and shows an ideal method of producing such a fabric, and that it may be knitted from one, or more pairs of threads.

The term "loop" as employed herein is not to be construed to mean a laid in yarn the portions whereof, intermediate the points at which it is tied to the base fabric are non-looped, that is to say are disposed substantially parallel with the floats of the ribs of the base fabric where not tied thereto.

Having now described my invention what I claim as new and desire to cover by Letters Patent is

1. A knit fabric comprising at the front face wales each knit of one only of two body yarns, each loop of each wale including a portion of yarn connecting at the back two adjacent like wales, and a fleecing yarn passing in front of certain of the connecting portions and extending in loops at the back of the fabric.

2. A fabric knit from two yarns, all of the knit loops of which appear in wales upon one face, loops of each yarn being drawn through loops of its own kind only, and having a fleecing yarn looped between the connecting legs of the knit stitches on the opposite face.

3. A knit fabric comprising two alternating series of wales of knit loops, the connecting thread of adjacent wales of each series being caught in and embraced by the knit loops of the intervening wales of the other series and a fleecing yarn looped between the connecting threads.

4. A fleeced knit fabric having a base whose face is formed of an alternating series of longitudinal wales knit each from a different yarn, the stitches forming the wales all being drawn toward the same side of the fabric, the loops forming each wale, each including a portion of the other yarn connecting the two neighboring loops at the back of the fabric, the connecting portions of the loops forming four sided meshes on the back of the fabric, thus exhibiting on one face parallel longitudinal wales alternately of different yarns and on the other side lozenge shaped meshes formed by the connecting legs of the loops, and an independent supplemental fleecing thread having loops extending through the said lozenge shaped meshes.

5. A knit fabric, all of the knit loops of which appear in wales upon one side, the loops of said wales being drawn between the floats or connecting threads of the adjoining wales, and a fleecing yarn looped loosely through said connecting threads.

6. A fabric knit from two yarns, all of the knit loops of which appear in wales upon one face, loops of each yarn being drawn through loops of its own kind only, and hav-

ing a fleecing yarn looped between each of the connecting legs of the knit stitches on the opposite face.

7. A knitted fabric, all of the knit loops of which appear in wales upon one side, the loops of said wales being
5 drawn between and including a portion of the floats or connecting threads of the adjoining wales, and a fleecing yarn looped loosely through said connecting threads.

8. A fabric knit from two yarns, all of the knit loops of which appear in wales upon one face, loops of each yarn
10 being drawn through loops of its own kind only, and in-

cluding a portion of the other yarn, and having a fleecing yarn looped between the connected legs of the knit stitches on the opposite face.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses. 15

BERNARD T. STEBER.

Witnesses:

M. E. BLASIER,

F. A. KLEIN.