

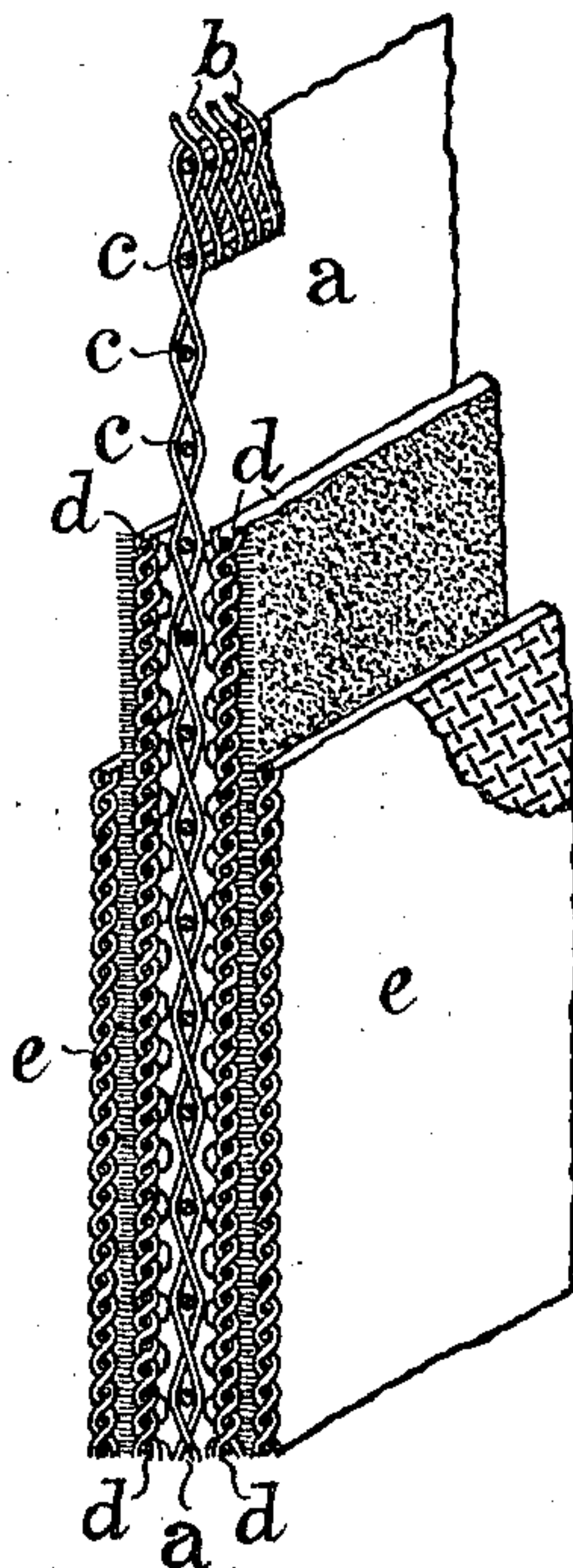
No. 691,916.

Patented Jan. 28, 1902.

L. C. SCHNEIDER.
CARD CLOTHING.

(Application filed July 22, 1901.)

(No Model.)



WITNESSES:

Otto v. Schrenk
John Lotka

INVENTOR

Louis Constantin Schneider.
BY *Maximilian Knauth,*
HIS ATTORNEYS.

UNITED STATES PATENT OFFICE.

LOUIS CONSTANTIN SCHNEIDER, OF MITTWEIDA, GERMANY.

CARD-CLOTHING.

SPECIFICATION forming part of Letters Patent No. 691,916, dated January 28, 1902.

Application filed July 22, 1901. Serial No. 69,271. (No model.)

To all whom it may concern:

Be it known that I, LOUIS CONSTANTIN SCHNEIDER, a subject of the King of Saxony, and a resident of Mittweida, Kingdom of Saxony, German Empire, have invented new and useful Improvements in Card-Clothing, of which the following is a specification.

In the production of card-clothing two things are an essential necessity—first, the clothing must stretch as little as possible, and, secondly, it must have considerable flexibility. Card-clothing, it is well known, is drawn as tightly as possible around the surface of rollers or drums, and if the clothing is liable to stretch an objectionable sagging thereof is the result. When it is made so as to prevent this sagging, there is a want of flexibility, which quality is almost destroyed by any attempt to reduce the stretching of the band.

Now the object of the present invention is to produce a card-clothing which will not stretch, or only slightly, but yet is flexible, and therefore satisfies the conditions required of it.

The card-clothing which forms the subject of the present invention is shown on an enlarged scale in the accompanying drawing.

In carrying out this invention the clothing is composed of a fabric *a* of linen, cotton, or other suitable material consisting of strong warp-threads *b*, with fine weft-threads *c* a good distance apart. The wefts, as a matter of fact, are only for the purpose of holding the warp-threads together in such a way that they will be only slightly bent in the weaving, and therefore will not be liable to stretch

when the fabric so produced is subjected to tension. On both sides of the fabric *a* is cemented a fabric *d*, which partakes of the nature of a pile fabric—that is to say, the warps on one side are exposed, while the other side has a pile-surface which is afterward felted in the usual way. On either side of the fabric *a* a strip of this fabric *d* is cemented, so that the felted surface is outside. The threefold layer thus produced may then have a covering *e* of cotton or other suitable fabric or material, such as rubber, placed upon each of its outer surfaces.

Any suitable number of layers *e* may be applied on either side of the fabric *d*, the number of which layers on both sides may be odd or even, as desired.

What I claim, and desire to secure by Letters Patent, is—

A card-clothing consisting of an inner layer or woven fabric of strong linen warps with widely-separated fine weft-threads, of two layers cemented to the sides of the first-mentioned layer, said layers having the warps exposed on their inner sides, whereas their outer sides are of felted nature, and of two or more outer layers covering the three first-mentioned layers.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 1st day of July, 1901.

LOUIS CONSTANTIN SCHNEIDER.

Witnesses:

FREDERICK J. DIETZMAN,
H. THIELE.