

No. 606,983.

Patented July 5, 1898.

A. S. WAITZFELDER.
BRUSH SKIRT BINDING.

(Application filed July 16, 1897.)

(Specimens.)

Fig. 1.

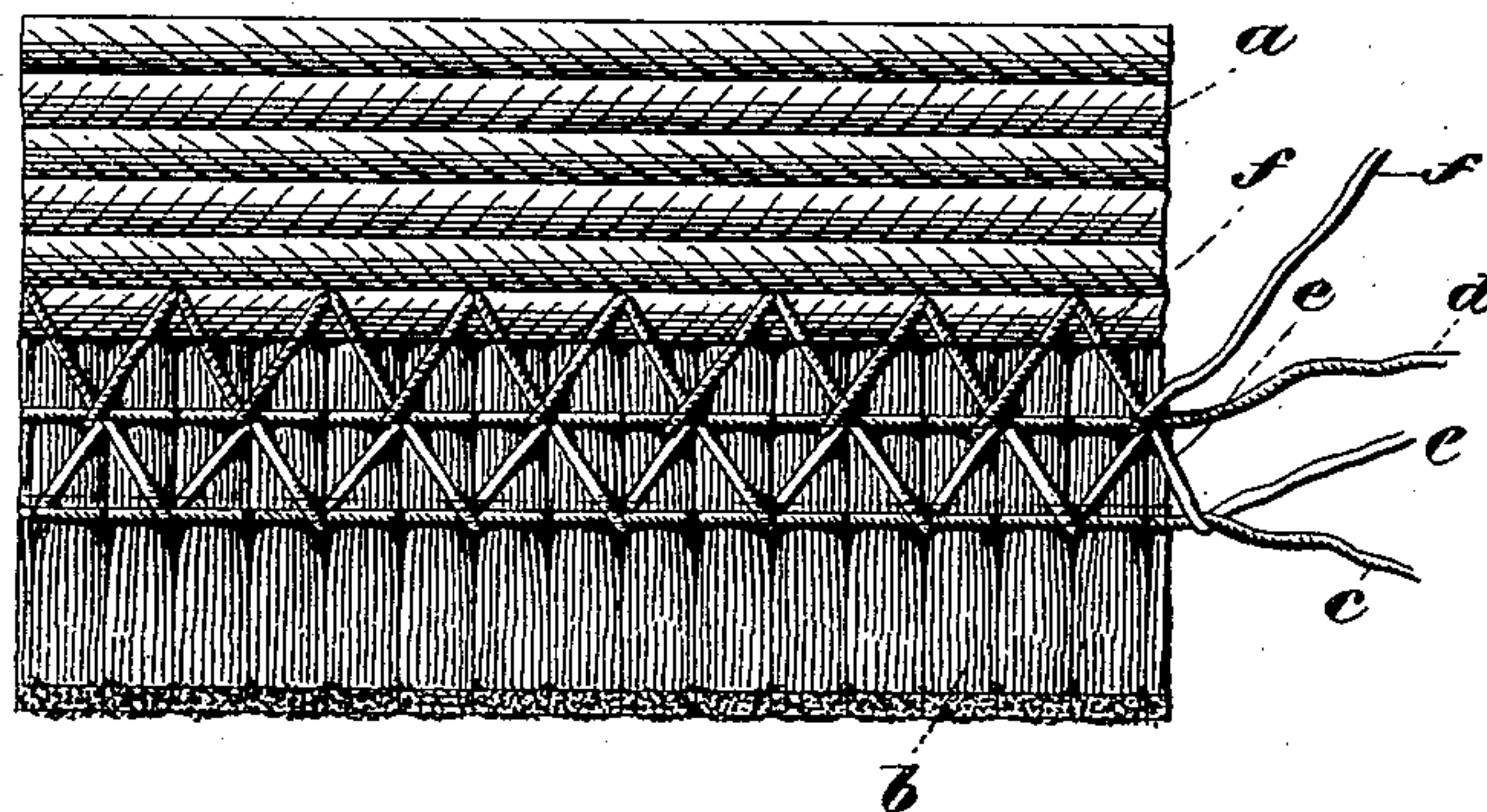
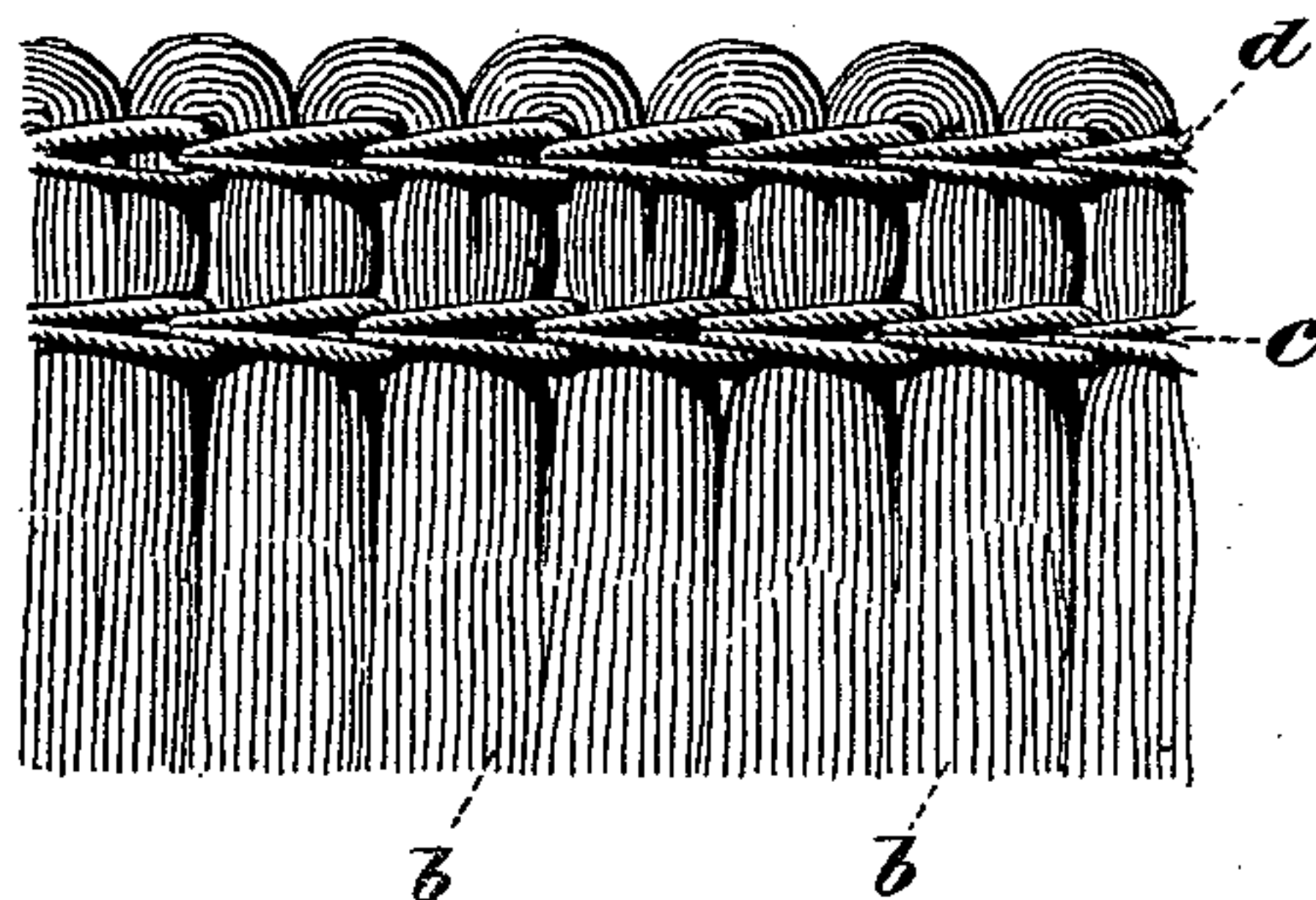


Fig. 2.



WITNESSES:

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ALBERT S. WAITZFELDER, OF NEW YORK, N. Y., ASSIGNOR TO THE
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BRUSH SKIRT-BINDING.

SPECIFICATION forming part of Letters Patent No. 606,983, dated July 5, 1898.

Application filed July 16, 1897. Serial No. 644,841. (Specimens.)

To all whom it may concern:

Be it known that I, ALBERT S. WAITZFELDER, residing in the city, county, and State of New York, have invented certain new and useful Improvements in Brush Skirt-Bindings, of which the following is a specification.

My invention relates to brush skirt-bindings, and has for its object to produce a new and improved brush skirt-binding comprised of a heading and knitted fabric in which a plurality of parallel knitted stitches are employed to hold the tufts of the brush together.

I am quite well aware that it has been proposed to produce a brush-binding wherein a knitted brush structure is employed, which knitted brush structure is held in place by a single thread running into the body of the fabric, such a structure being shown in Figure 5 of British patent to Vorwerk, No. 14,837, A. D. 1894, and I am likewise aware that Vorwerk, the patentee, in his specification states that such a structure is not as durable as those woven in the loom, the binding or interlacing of the plush or pile threads being not so tight as that formed by weaving. It is not difficult to pull off the pile-threads, and therefore an inferior quality can only be produced by this method, and he therefore prefers to make the dress-guards by weaving—as shown, for instance, in Fig. 1 of the said patent. By my invention I obviate and overcome the defects heretofore existent in brush-bindings of this character in a very simple manner, as will be presently apparent.

My invention will be understood by referring to the accompanying drawings, in which—

Fig. 1 is a detail side view of a brush-binding embodying my invention, and Fig. 2 is an enlarged detail view showing the brush after it has been formed and before it has been secured to the strip of fabric.

In the drawings, *a* is a strip of fabric, preferably of braided material. Along the edge of this fabric a brush embodying my invention may be laid. This brush comprises a series of tufts of thread *b*, secured together

by parallel or substantially parallel rows of knitted stitching *cd*, which, surrounding individual tufts, serve to secure the said individual tufts constituting the brush together in series and to prevent them or individual threads thereof from being readily pulled out. The tufts are formed of individual threads doubled, as will be seen by reference to Fig. 2. These rows of stitching are, as will be well understood, formed by a knitting-machine simultaneously with the formation of the pile or brush and hold the brush together in a very efficient manner. These rows of stitching may be kept in position by zigzag or undulating rows of stitching *e*, passing over the said parallel rows of stitching. This zigzag row of stitching has the further function of adding rigidity to the brush. The brush may be secured to a heading *a*, preferably by a zigzag row of stitching *f*, the structure thus constituting a very efficient dress-binding which, by reason of its flexibility, may be applied to a skirt-bottom with great facility.

As I have before stated, the brush embodying my invention is made upon a knitting-machine. Any desired form of knitting-machine may be employed. The knitting-machine which I at present use for this purpose is of the general character shown in United States Letters Patent No. 489,801, dated January 10, 1893, wherein each knitting-needle is supplied with an independent thread and produces a chain of stitches around weft-threads, as will be well understood. The weft-threads when cut form the tufts *b* of the brush.

It will be obvious that my brush may be employed with any desired character of heading *a*, which heading *a* is herein shown as a braided fabric.

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

In a skirt-binding, the combination of a heading *a*, a brush comprising a series of individual tufts *b* formed of doubled threads and laid in series side by side, a plurality of substantially parallel rows of stitching *cd*, the said stitching being of the character of a

knitted stitch, individual stitches surround-
ing individual tufts and binding together the
individual threads constituting the tufts and
also binding the said individual tufts one to
5 another in the series, whereby the individual
threads forming the tufts are securely held
from being pulled out of the said tufts and
the tufts are firmly held in position *seriatim*

in the brush, said brush being secured to the
heading *a*, substantially as described and for 10
the purposes set forth.

ALBERT S. WAITZFELDER.

Witnesses:

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