

No. 647,335.

Patented Apr. 10, 1900.

W. T. SMITH.
WOVEN FABRIC.

(Application filed Sept. 20, 1899.)

(No Model.)

Fig. 1.

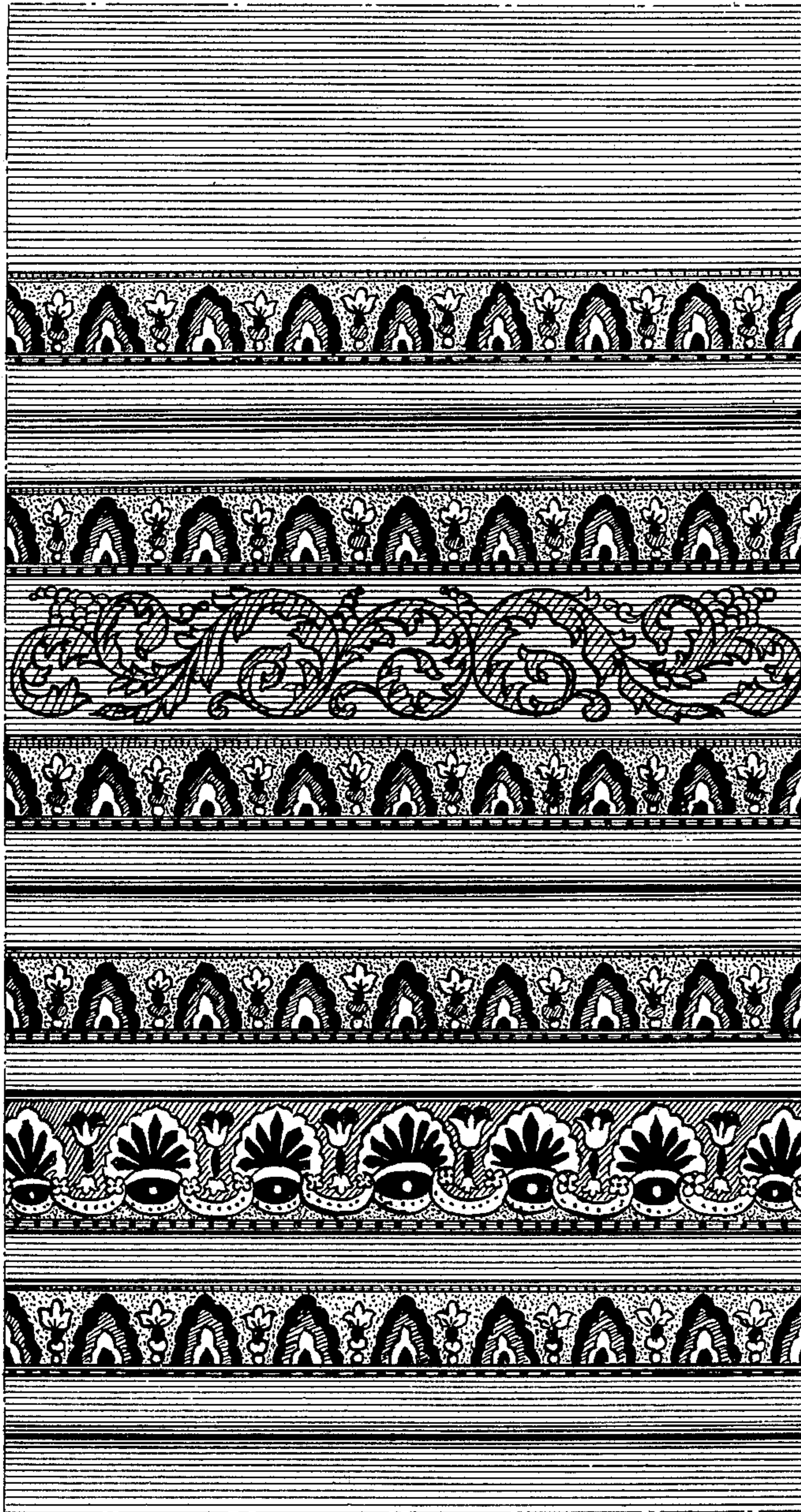
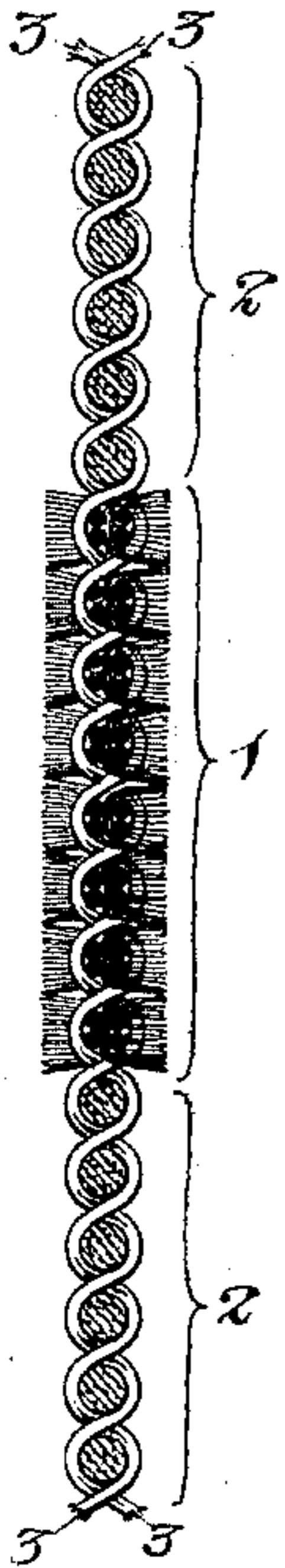


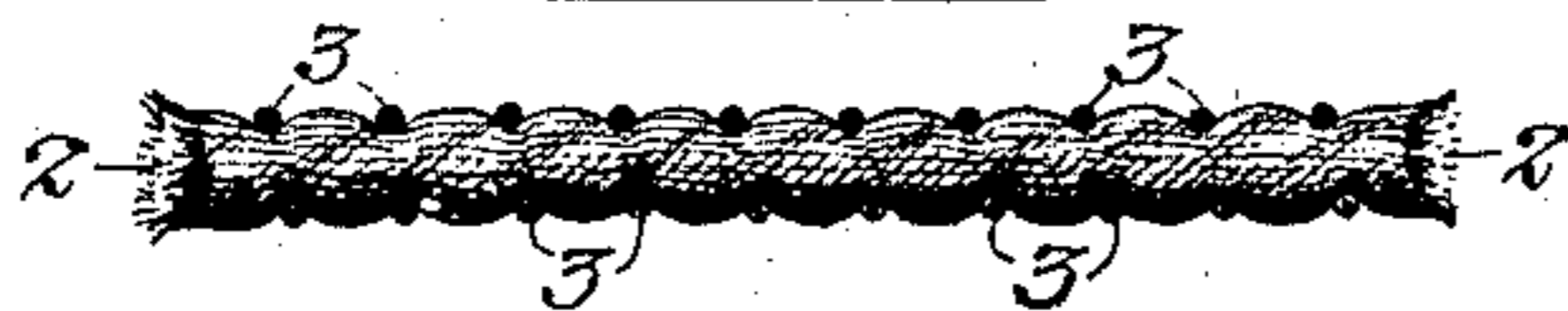
Fig. 2.



Witnesses:-

Louis M. Whitehead.
F. E. Bechtold.

Fig. 3.



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UNITED STATES PATENT OFFICE.

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WOVEN FABRIC.

SPECIFICATION forming part of Letters Patent No. 647,335, dated April 10, 1900.

Application filed September 20, 1899. Serial No. 731,098. (No specimens.)

To all whom it may concern:

Be it known that I, WILLIAM T. SMITH, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain
5 Improvements in Woven Fabrics, of which the following is a specification.

The object of my invention is to produce at low cost a woven fabric especially intended for curtains and the like which can be
10 highly ornamented both as to figures and colors.

The figuring or patterning of the fabric is effected wholly by the weft-threads, and the fabric has cross-strips with wefts of chenille-
15 pile alternating with cross-strips, in which the weft is composed of spun threads, a terry-rib effect being obtained in these latter cross-strips.

In the accompanying drawings, Figure 1
20 represents a face view of a piece of fabric made in accordance with my invention. Fig. 2 is an enlarged section of part of the same, taken in the direction of the warp; and Fig. 3 is an enlarged section of one of the cross-
25 strips of the fabric, taken in the direction of the weft.

In the drawings, 1 represents the cross-strips having chenille-wefts, and 2 the cross-strips having wefts composed of spun threads.
30 One or more of the chenille-weft strips may be of greater width than the others, as desired, as shown, for instance, at 1^a, so as to form a dado, and any of the cross-strips having wefts of spun yarn may be figured, as de-
35 sired, as shown, for instance, at 2^a.

By the use of wefts of chenille fur or pile in alternate cross-strips of the fabric elaborate colorings can be obtained, and an effective contrast is presented between these
40 chenille strips and the adjoining strips woven with wefts of spun yarn, the latter wefts being of one color or of two or more contrast-

ing colors twisted together to produce a mottled effect, as desired.

The warps 3 are composed of fine yarn and
45 are of the same color as the spun-yarn wefts or of a color which will harmonize therewith, these warp-yarns not being visible in the chenille-weft strips, as they are hidden by the fur-pile of said chenille.

The spun-yarn wefts are comparatively
50 soft, so that they will be indented to a considerable extent where they are bound by the fine warps, as shown in Fig. 3, thus producing an effect of ribs resembling those of a
55 terry fabric.

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

1. A single-ply woven fabric presenting the
60 same appearance on each face and composed of a single set of warp-threads interwoven with chenille weft-threads and spun weft-threads so as to produce bands or strips having party-colored chenille-wefts alternating
65 with bands or strips having wefts of spun yarn, substantially as specified.

2. A single-ply woven fabric presenting the same appearance on each face and composed
70 of a single set of warp-threads interwoven with chenille weft-threads and spun weft-threads so as to produce bands or strips having party-colored chenille-wefts alternating with bands or strips having wefts of spun
75 yarn, the latter being indented by the fine warps so as to produce a ribbed effect, substantially as specified.

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

WILLIAM T. SMITH.

Witnesses:

WILL. A. BARR,

FRANK E. BECHTOLD.