

H. SCHADEWALD.
Fabric for Coverlets.

No. 166,896.

Patented Aug. 17, 1875.

Fig. 1.

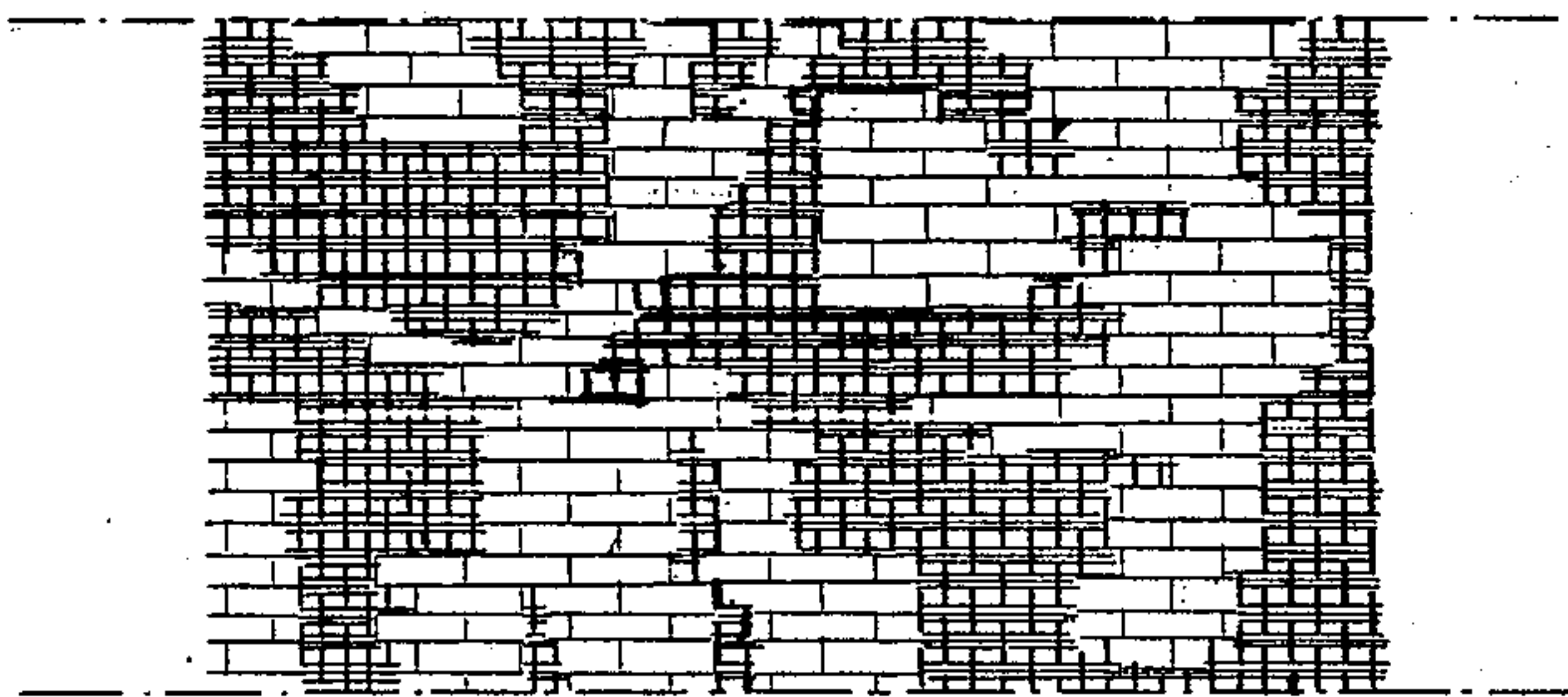


Fig. 2.

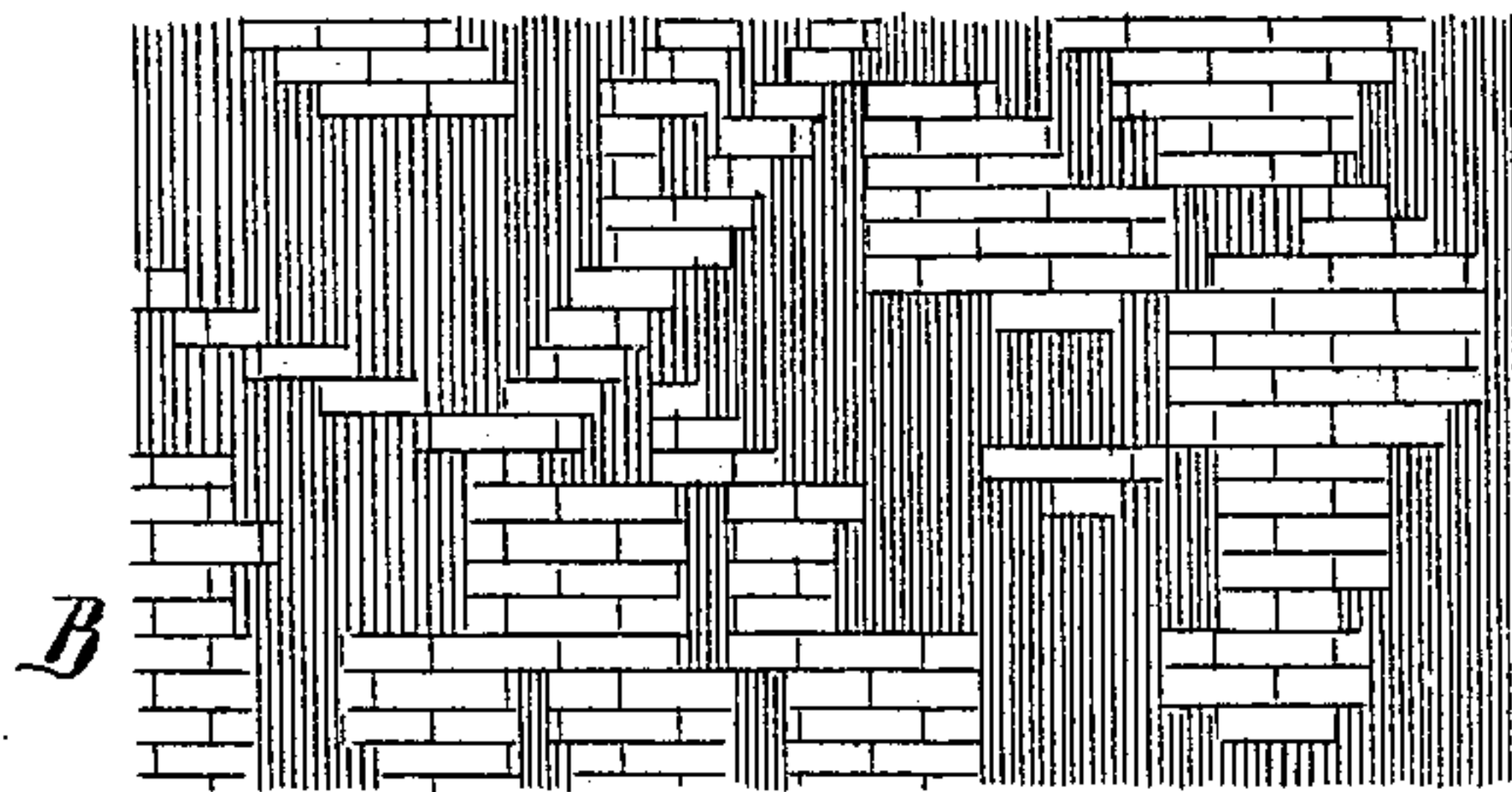


Fig. 4.

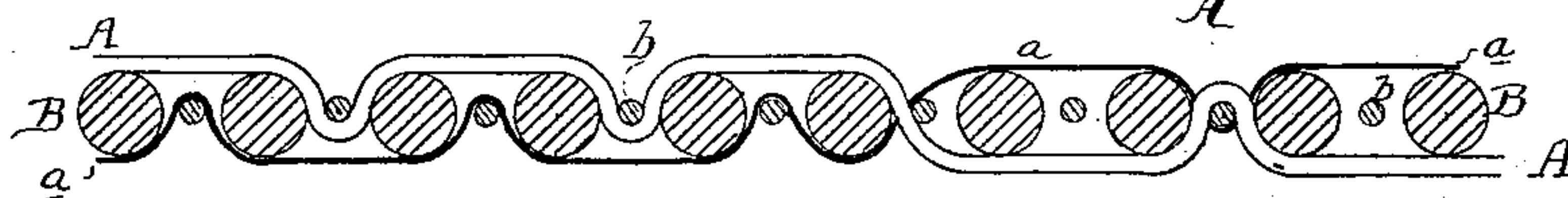
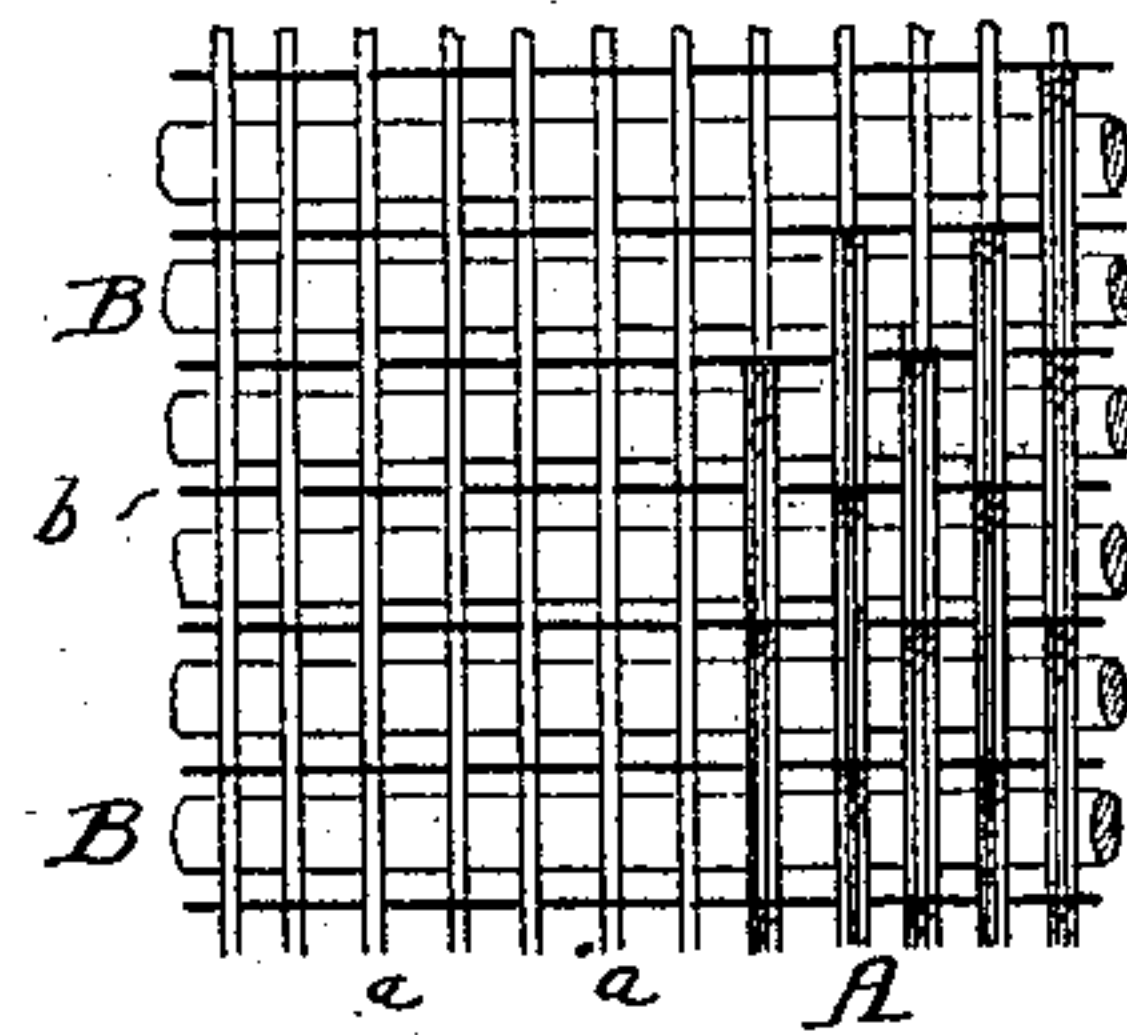


Fig. 3.

Witnesses,

Thomas M. Elvan
Hubert Howson

Henry Schadowald
by his Attorneys,
H. W. and S. M.

UNITED STATES PATENT OFFICE.

HENRY SCHADEWALD, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN FABRICS FOR COVERLETS.

Specification forming part of Letters Patent No. **166,896**, dated August 17, 1875; application filed May 31 1875.

To all whom it may concern:

Be it known that I, HENRY SCHADEWALD, of Philadelphia, Pennsylvania, have invented an Improved Fabric for Coverlets, of which the following is a specification:

The object of my invention is to make a coverlet fabric which will have a firmer body and will present a better appearance than those woven in the ordinary way; and this object I attain in the manner which I will now proceed to describe, reference being had to the accompanying drawing, in which—

Figure 1 is a view of a piece of coverlet fabric woven in the usual manner; Fig. 2, a view of a piece of my improved fabric; Fig. 3, an exaggerated sectional view of Fig. 2; and Fig. 4, a diagram, illustrating the construction of the fabric.

Fabrics for coverlets as often woven have too thick weft or filling threads which form the pattern, and two sets of warp-threads which serve to bind down the wefts.

The objection to this plan will be seen on reference Fig. 1, where it will be observed that the warp-threads, which bind down the dark wefts, impart an objectionable appearance to the surface of the fabric.

This objection I overcome by arranging the threads as shown in Figs. 2 and 3, in which A represents a figuring warp-thread; B, a thick weft or wadding thread; *a a*, the fine figuring-warp; and *b*, fine weft for uniting the two warps.

The warp-threads are operated by the jacquard as usual to form the pattern, and the threads are lifted alternately after each operation of the jacquard for the introduction of the fine weft.

By this arrangement of threads a double fabric is formed, one fabric consisting of coarse warp interwoven with the binding-weft, the other fabric of fine warp interwoven with the same binding-weft, and the figuring or coarse wadding-weft lies between these two fabrics to give body and also to form, in combination with the fine warp, portions of the figure.

In that part of the figure composed of thick weft and fine warp both are brought prominently forward, so that by changes of color great variety may be imparted to the figure.

The fabric is firmer in texture than the usual coverlet fabric, and presents a smooth and even face on both sides, without any disfigurement of the pattern by the binding-threads, the cost and labor of weaving the fabric being materially reduced by using but one figure filling thread.

I claim as my invention—

A quilt fabric of compact, uniform texture throughout, double, and figured on both faces, consisting of alternate coarse and fine warps and coarse and fine wefts, the fine weft interwoven with and tying down the two warps alternately on the opposite faces, as set forth, thereby forming two fabrics, confining between them the coarse weft, which, with the fine warp, composes part of the figure, while in the remainder the coarse warp alone appears.

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

HENRY SCHADEWALD.

Witnesses:

HUBERT HOWSON,
HARRY SMITH.