

No. 744,579.

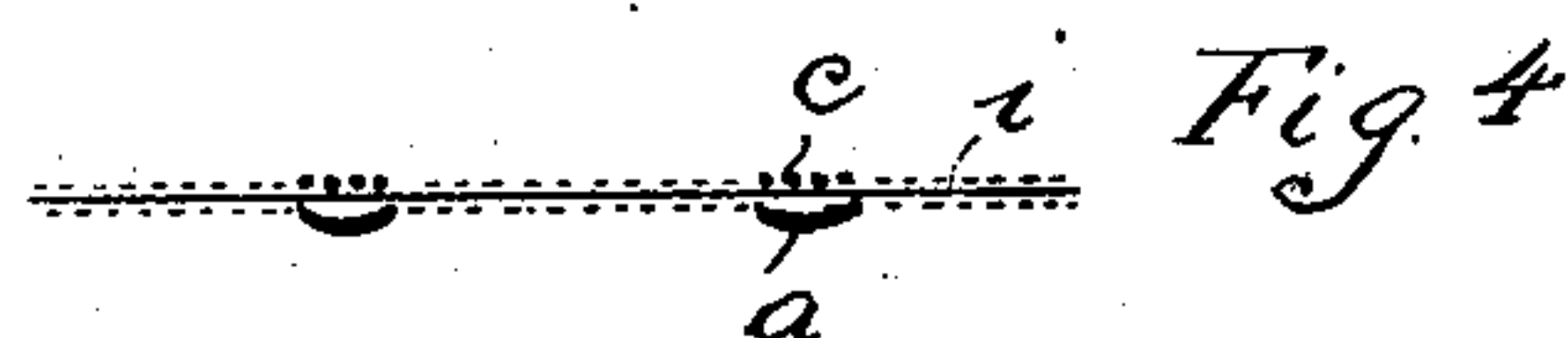
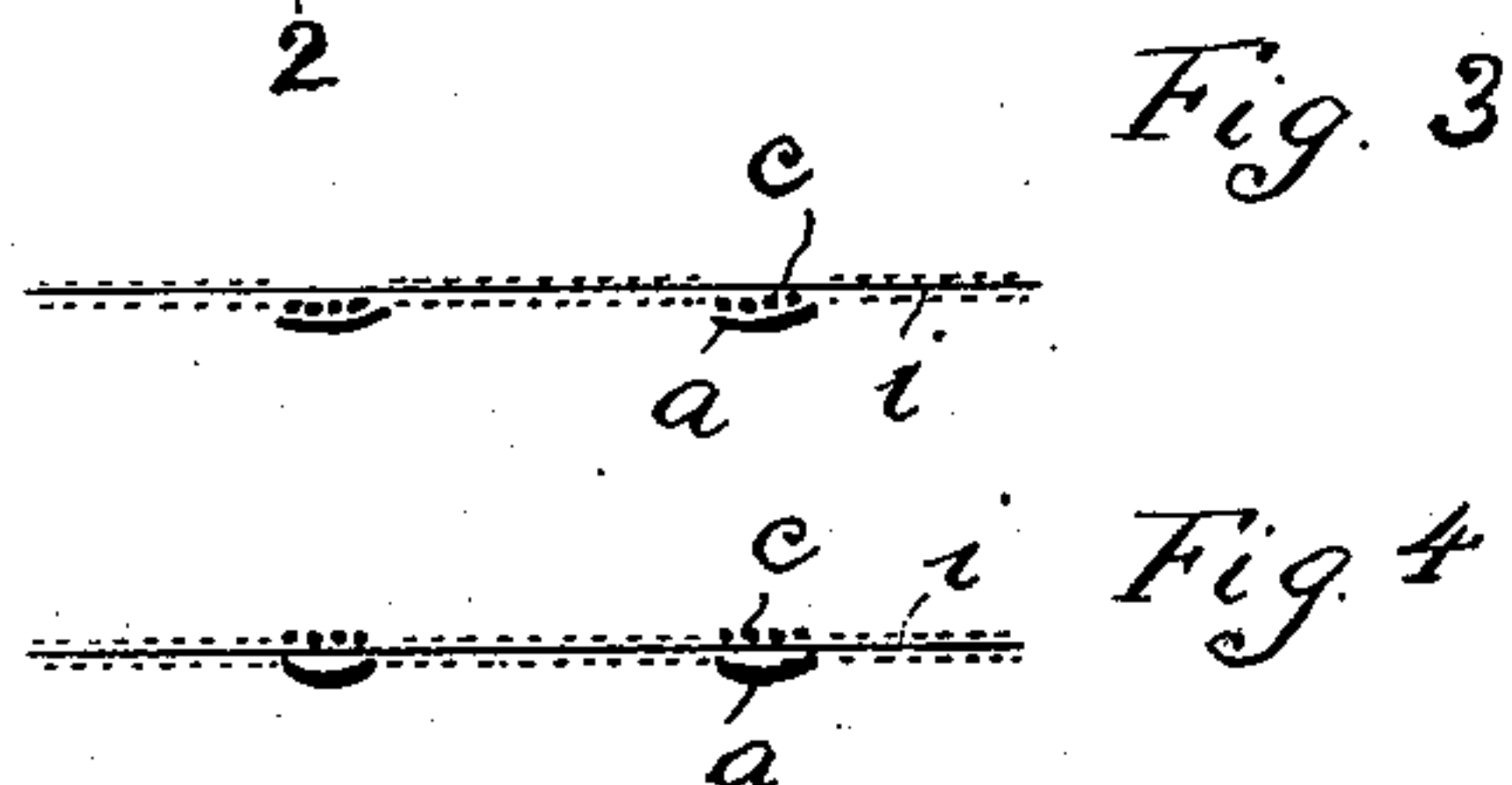
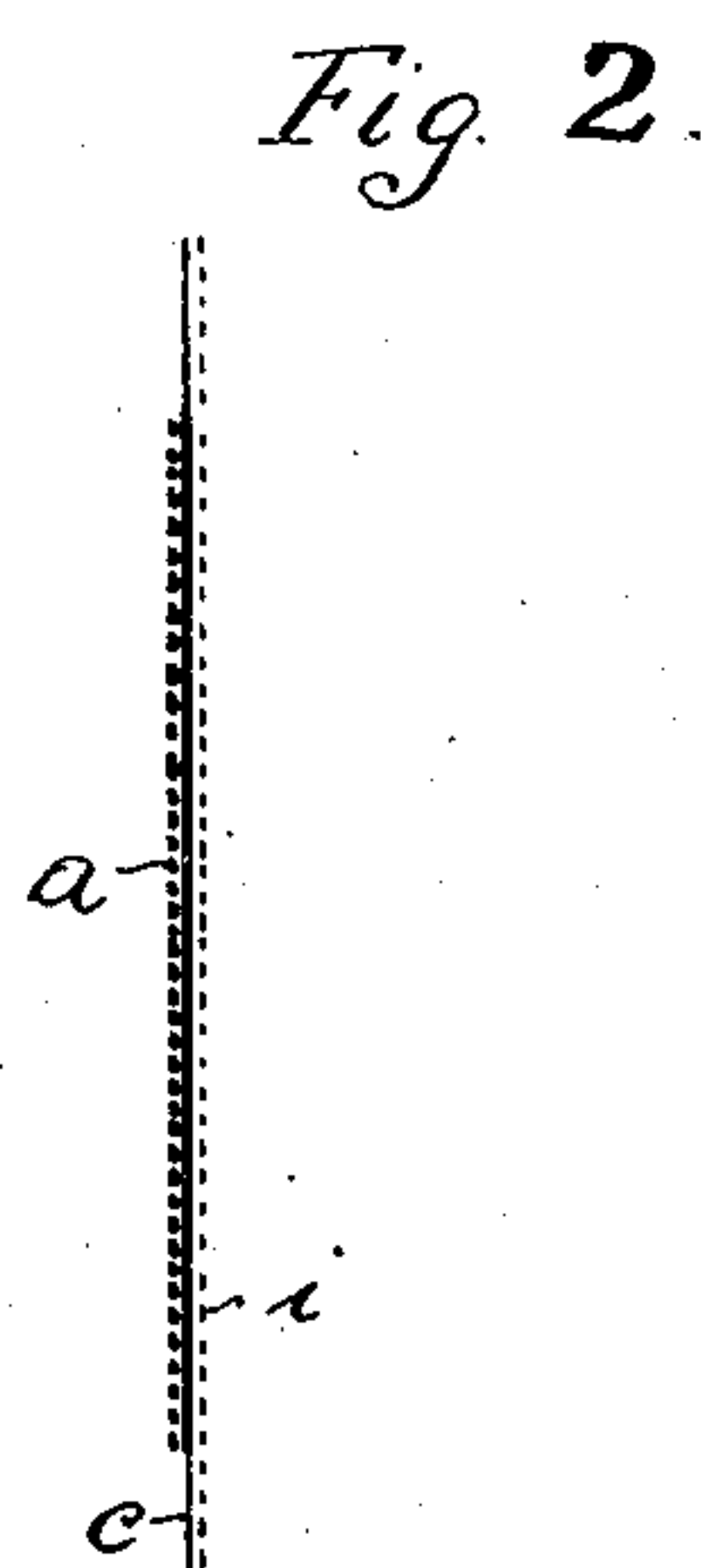
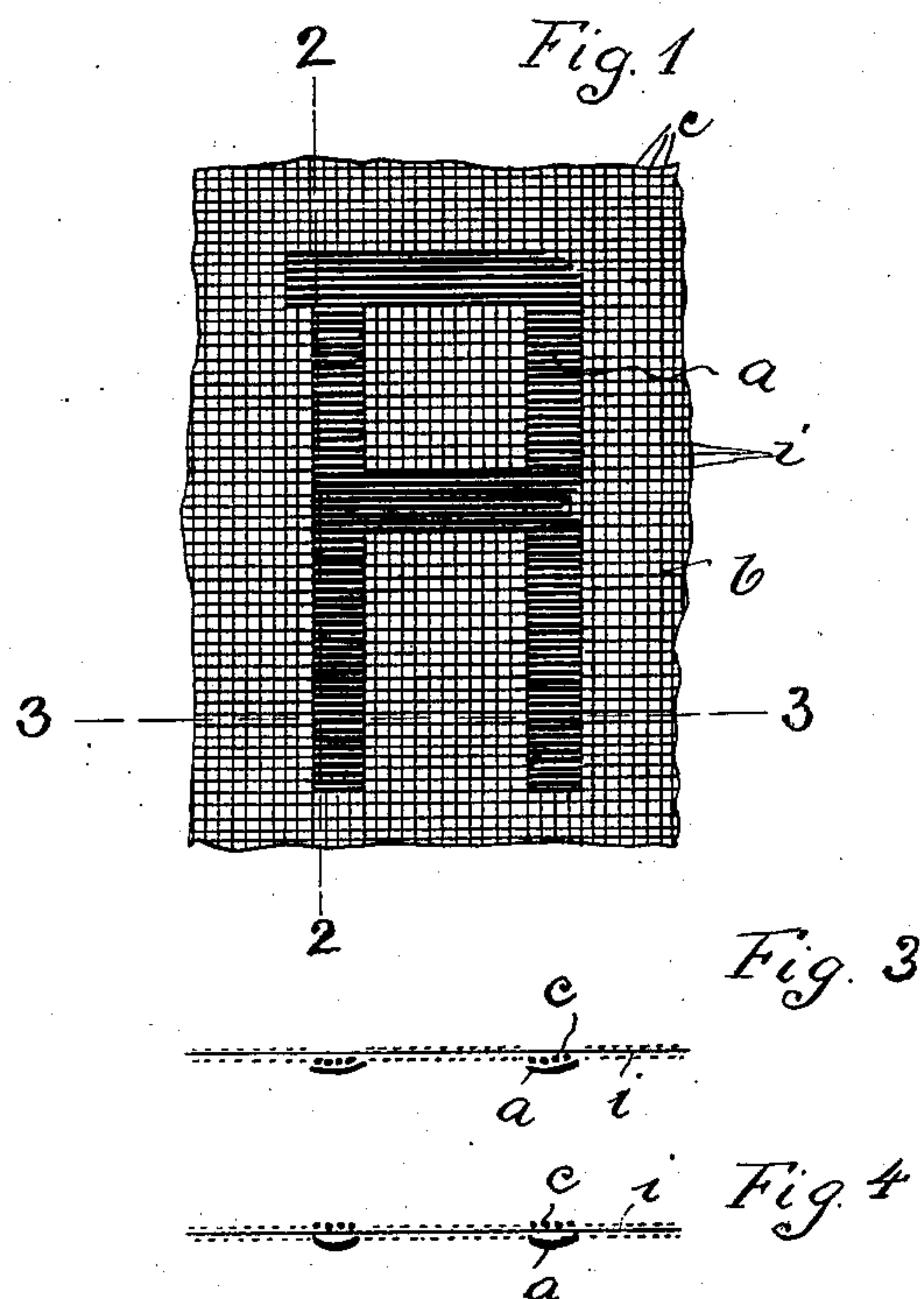
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METHOD OF WEAVING INITIALS, NAMES, MONOGRAMS, &c.

APPLICATION FILED AUG. 4, 1902.

NO MODEL.



Witnesses.

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JULIUS LUCAS AND CARL VORSTEHER, OF BARMEN, GERMANY.

METHOD OF WEAVING INITIALS, NAMES, MONOGRAMS, &c.

SPECIFICATION forming part of Letters Patent No. 744,579, dated November 17, 1903.

Application filed August 4, 1902. Serial No. 118,363. (No model.)

To all whom it may concern:

Be it known that we, JULIUS LUCAS and CARL VORSTEHER, subjects of the Emperor of Germany, residing at Barmen, Rhenish Prussia, Germany, have invented a new and useful Method of Weaving Initials, Names, Monograms, and the Like, of which the following is a specification.

Our invention refers to a new and improved method for imitating embroidered initials, monograms, and the like by weaving them on a piece of cloth and sewing said piece to underclothing, household linen, and the like, or by weaving said monograms in the fabric.

Our invention is particularly adapted for initials being woven in white material on a white ground, said initials having the advantage over such made according to the old weaving system that they cannot be pressed flat by washing and ironing and that they always remain in their elevated position, which is not the case with the method hitherto used.

In order to carry our invention into effect, we proceed as follows: The ground is woven as usual in taffeta or other suitable binding wherever it is not covered by the figure. The warp-threads being covered by the figure are not bound with the weft-threads, as usual, but are lying loosely between the ground-weft and figure-weft or below both said weft-threads. If the figure-weft is then bound in the ground, the warp-threads are drawn together, forming thus a cushion for the figure, which assumes then an elevated position, like hand embroidery, and will remain so and not pressed flat by washing and ironing. In the same manner as the warp-threads are used for that purpose also the weft-threads may be treated in the same way, and both threads may be partly bound in, partly left unbound, where covered by the figure.

In order to more fully set forth our invention, we have illustrated the same on the accompanying drawings, on which—

Figure 1 shows a plan of the fabric. Fig. 2 is a vertical section of the same on the line

2 2 Fig. 1; Fig. 3, a horizontal section on the line 3 3; Fig. 4, a like section showing a modified arrangement.

By *b* is marked the ground portion of the weaving on which, for instance, the block initial "R" is produced by the figure weft-thread *a*, of white or colored material, and which may be thicker than the threads of the ground portion. *c* represents the warp-threads of the ground-binding. The ground-binding of the fabric differs from the binding of the fabric where it is covered by the figure—that is to say, the warp-threads are not bound or interwoven with the weft where the figure appears in the fabric. On this portion the warp-threads lie loosely between figure and ground wefts, and these warp-threads are at this point closely drawn together by the figure-weft when it is inserted into the fabric. The same effect is obtained when the warp-threads *c* are arranged, as seen in Fig. 4, underneath the ground-weft *i* and the figure-weft *a* or when the ground-threads are partly bound, partly unbound, under the figure. In all such cases the figure assumes a raised position over the ground fabric owing to the loosely-lying threads that form a cushion for the figure-threads.

In the manner described all names, monograms, combination-letters may be woven on pieces of cloth and then sewed to a fabric, or said initials may be directly woven in a fabric white on white or colored on white, and such make will then be a full imitation of hand embroidery, which will be of the same value, but cheaper and still more durable.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is—

1. The method of producing initials, names, monograms and the like, which consists in weaving the ground of the fabric in taffeta or other suitable binding, floating the figuring-wefts over the desired portions, and floating the ground warps and wefts, without inter-

weaving, under the said figured portions, so as to form a cushion for the figuring-wefts, as set forth.

2. The method of producing initials, names, 5 monograms and the like, which consists in weaving the ground of the fabric in taffeta or other suitable binding, floating the figuring-wefts over the desired portions, and floating the ground warps and wefts partly interweav-

ing and partly without interweaving under 10 the said figured portions, so as to form a cushion for the figuring-wefts, as set forth.

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