

(No Model.)

D. S. WILLIAMS.
METHOD OF MANUFACTURING CHENILLE.

No. 477,394.

Patented June 21, 1892.

FIG. 1.

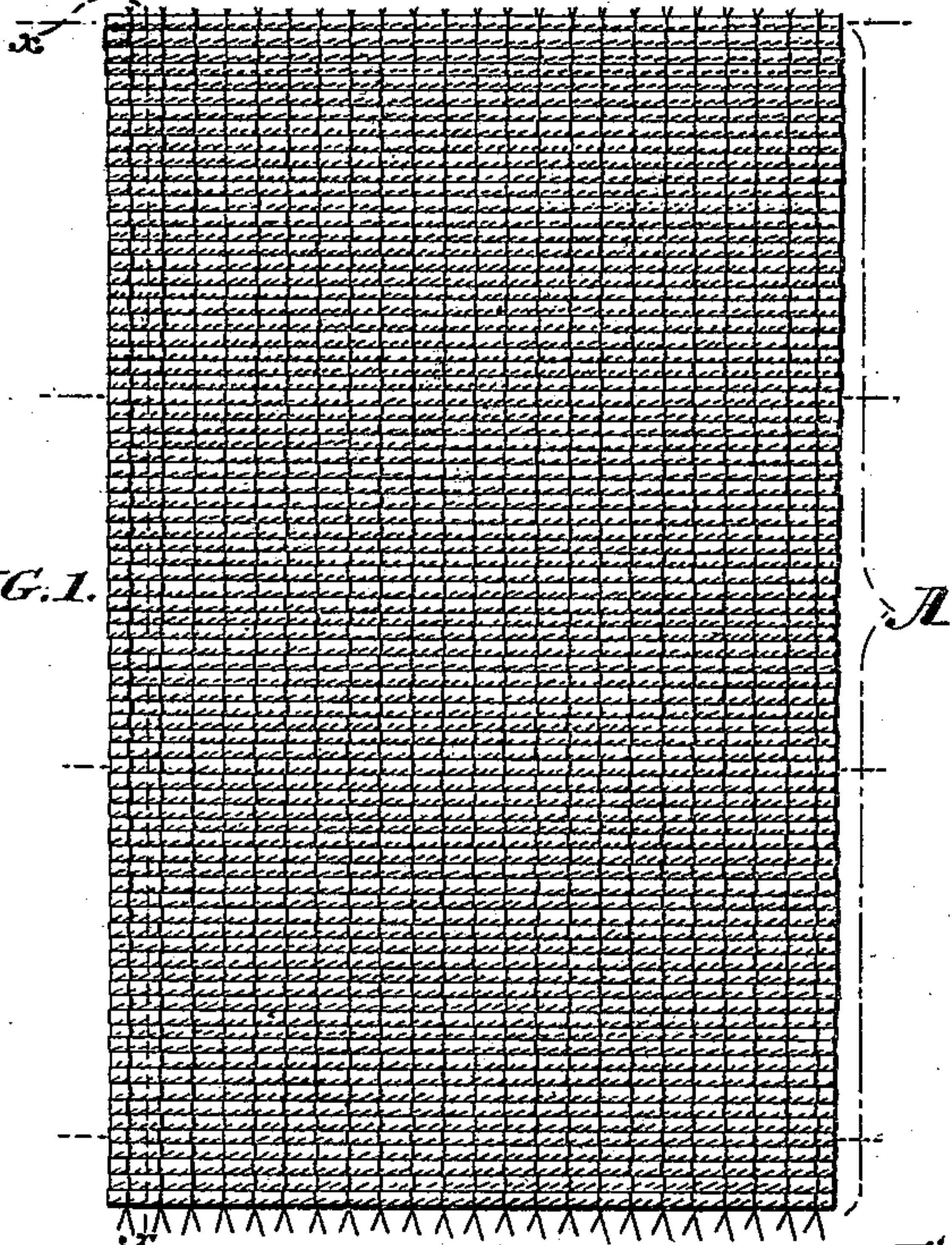


FIG. 2.

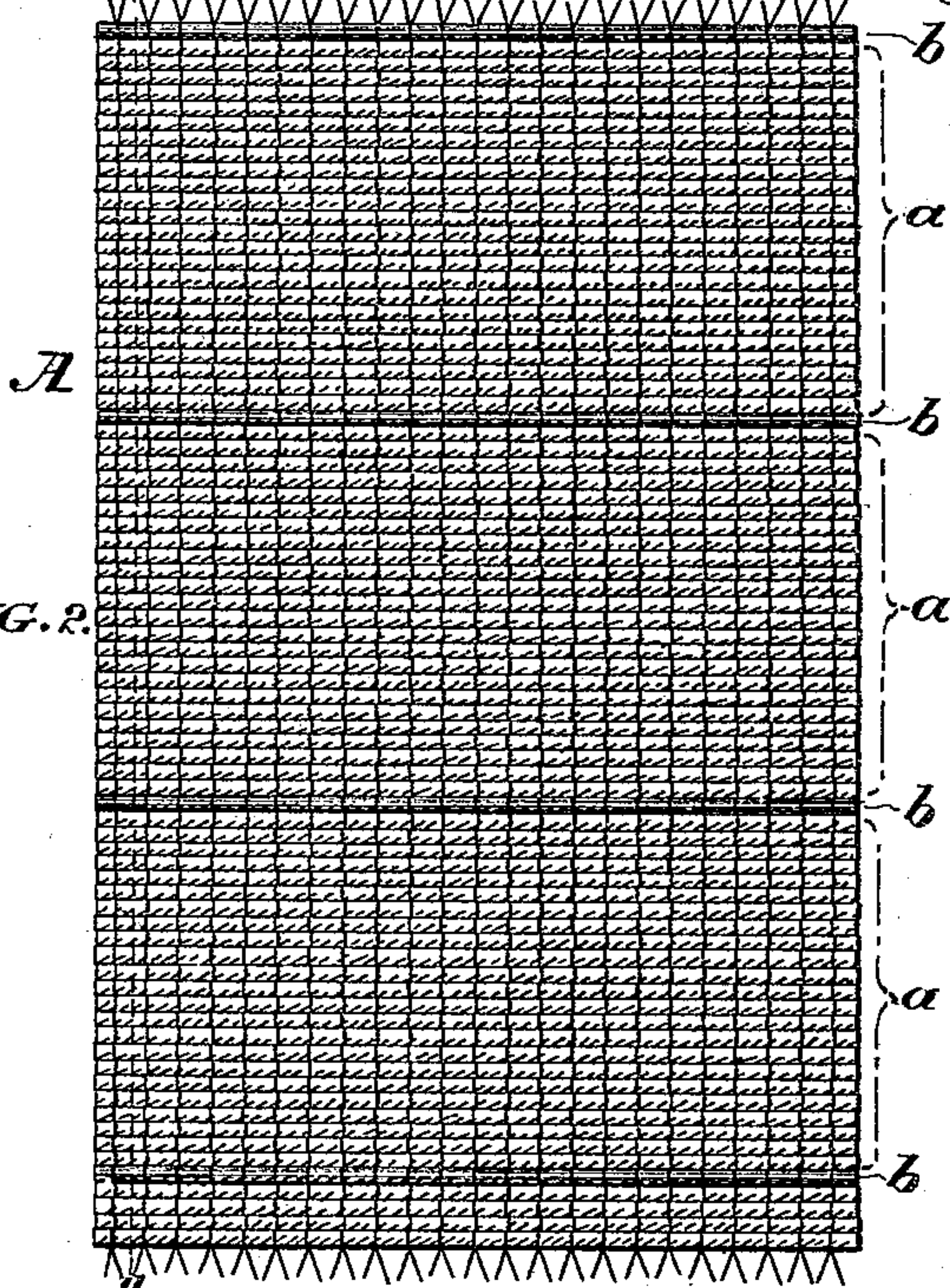
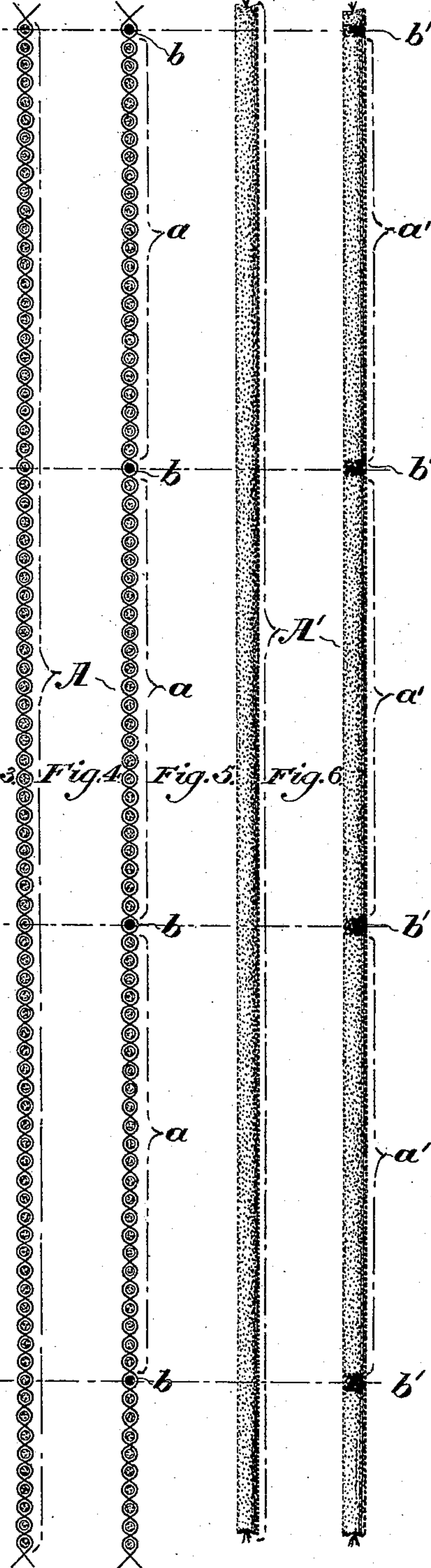


Fig. 3.

Fig. 4.

Fig. 5.

Fig. 6.



Attest:

Frank J. Busser
James H. Shields

Inventor:

David S. Williams
by his atty
J. H. Williams

UNITED STATES PATENT OFFICE.

DAVID S. WILLIAMS, OF PHILADELPHIA, PENNSYLVANIA.

METHOD OF MANUFACTURING CHENILLE.

SPECIFICATION forming part of Letters Patent No. 477,394, dated June 21, 1892.

Application filed January 28, 1891. Serial No. 379,469. (No specimens.)

To all whom it may concern:

Be it known that I, DAVID S. WILLIAMS, a citizen of the United States, residing at Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Methods of Manufacturing Chenille, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification.

My invention has for its object the manufacture of an improved chenille-weft which will be better adapted for use in the manufacture of chenille fabrics than the weft now in use.

It consists in a chenille weft which has at intervals one or more threads b' stiffer or more rigid than the intermediate chenille threads a' , so that in the weaving of the chenille fabric the operator is enabled to carry out the pattern and design by bringing these stiff threads or sections to a certain prearranged position in the loom, such weft forming the subject-matter of an application filed by me January 28, 1891, and serially numbered 379,470. By using this chenille provided with stiff or rigid threads the pattern of the fabric may be maintained intact—that is, the guiding stiff or rigid threads may be colored according to pattern, and by the use of such stiff or rigid threads mechanical means may be employed in guiding the weft properly into the shed.

It also consists in weaving the chenille web in the ordinary manner, and after said web is constructed stiffening one or more threads comprising said web, preferably by sizing, so that the chenille weft will have at predetermined intervals a thread or threads stiffer, firmer, or more rigid than the intermediate threads of the chenille. The stiffening of the weft occurs while the web is on the loom, and the operator after the weft desired to be stiffened has been thrown in the formation of the chenille web stiffens said weft by passing a

rule or brush containing sizing over said thread.

In the drawings, Figure 1 is a plan view of an ordinary piece of web before being stiffened. Fig. 2 is a plan view, the same as shown in Fig. 1, with certain threads at predetermined intervals stiffened. Fig. 3 is a sectional view on the line xx , Fig. 1. Fig. 4 is a sectional view on the line yy , Fig. 2. Fig. 5 is a view showing a strip of plain chenille. Fig. 6 is a like view of a strip of chenille with threads at predetermined intervals stiffened.

In Fig. 1 the chenille web is shown of the same character woven as the chenille web is now woven, and in Fig. 2 weft or wefts b are shown stiffened. This is done before the chenille is cut into strips by sizing one or more threads b either directly after said threads are thrown or after the entire web is formed.

Fig. 5 shows the ordinary chenille, and Fig. 6 shows certain sections b' of the chenille stiffened. In this case the chenille is provided with certain thread or threads stiffer, firmer, or more rigid than the intermediate threads forming the chenille, and the method or process of accomplishing this is by stiffening certain threads after the threads to be stiffened have been thrown in to form the web.

Having now fully described my invention, what I claim as new, and desire to protect by Letters Patent, is—

The hereinbefore-described method of manufacturing chenille weft, which consists in weaving the chenille web in the ordinary manner, and then stiffening at predetermined intervals threads of the chenille web after the said threads have been thrown, and then cutting the said web into strips.

In testimony of which invention I have hereunto set my hand.

DAVID S. WILLIAMS.

Witnesses:

GEO. W. REED,
FRANK S. BUSSER.