

# C. Lambert. Woven Fabric.

N<sup>o</sup> 101,026.

Patented Mar 22, 1870.

Fig. 1

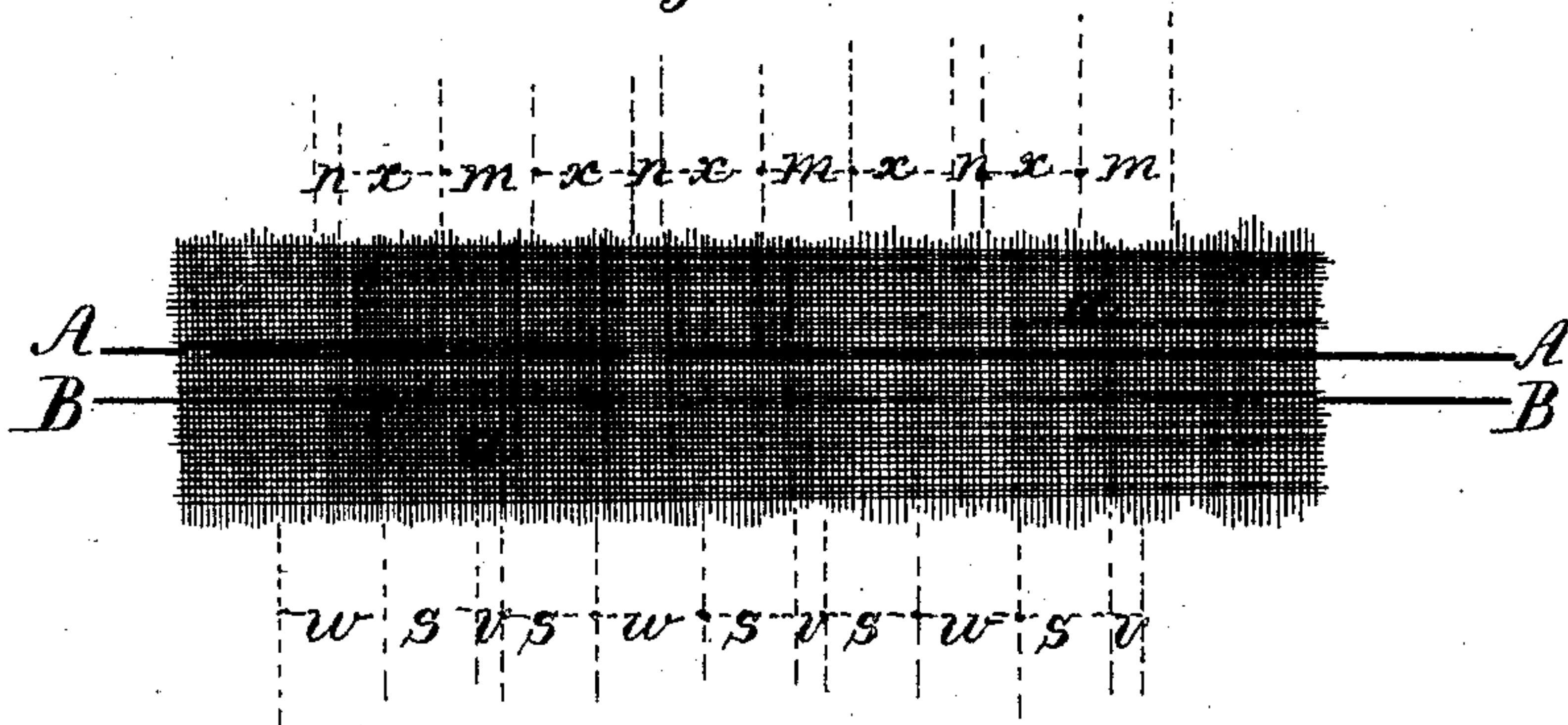


Fig. 2

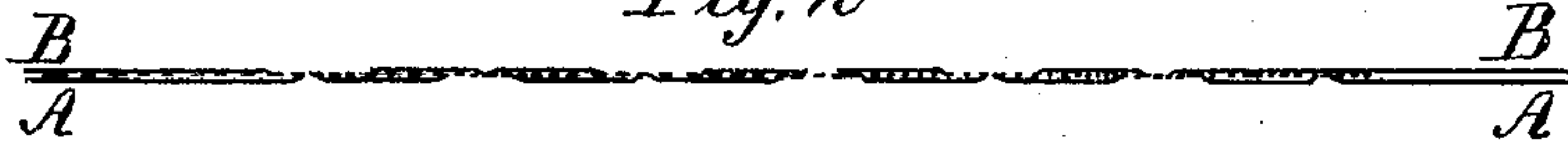


Fig. 3

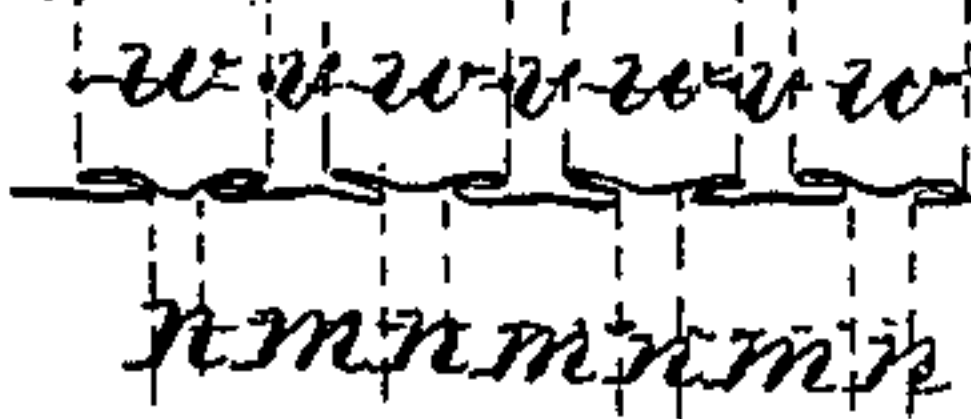
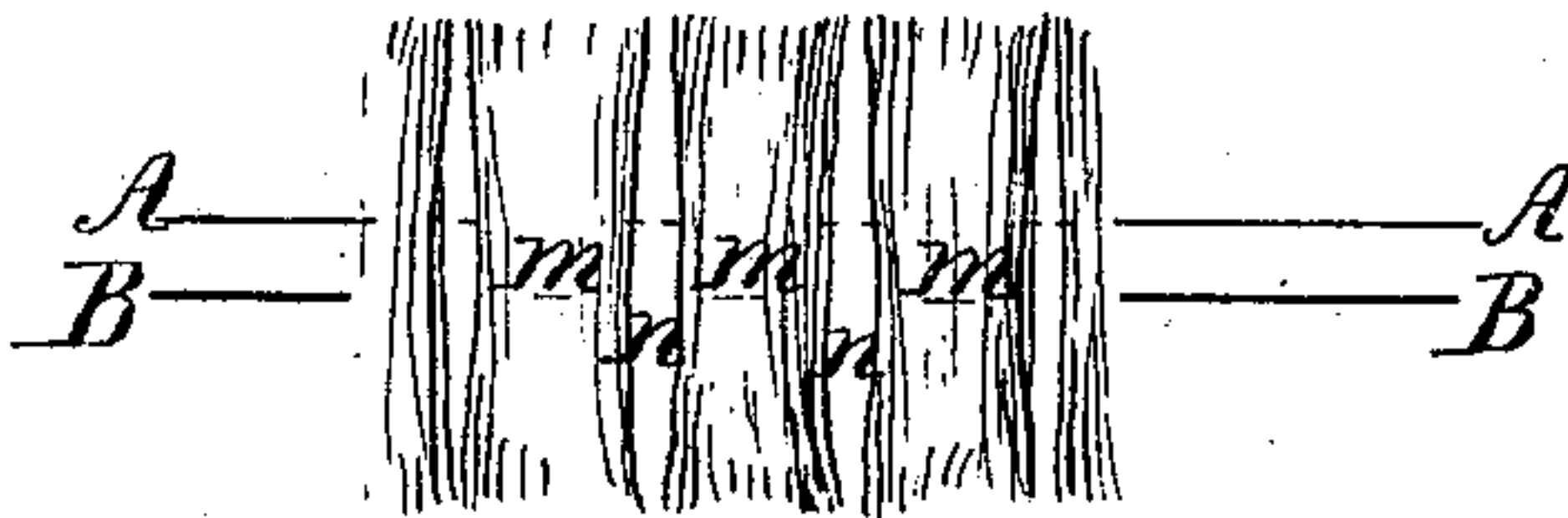


Fig. 4

Fig. 5



Witnesses  
Henry & Roeder  
John Christ

Inventor  
Catholina Lambert

# United States Patent Office.

CATHOLINA LAMBERT, OF PATERSON, NEW JERSEY, ASSIGNOR TO DEXTER, LAMBERT & CO., OF SAME PLACE.

Letters Patent No. 101,026, dated March 22, 1870.

## IMPROVEMENT IN WOVEN TRIMMING.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, CATHOLINA LAMBERT, of Paterson, in the county of Passaic, in the State of New Jersey, have invented certain Improvements in Trimmings, of which the following is a specification.

The nature of my invention consists in the arrangement of two or more threads or cords, partly woven into the ribbon or trimming, and partly laid outside the material in such a manner that by moving or sliding the material on the threads or cords, the same will lay in regular folds or plaits usually called box plaiting.

Figure I represents a side elevation of a piece of trimming embodying my invention;

Figure II is a section of the same;

Figure III represents the same only partly drawn together; and

Figures IV and V represent the same in section and front view drawn together or folded in regular box plaiting.

In the accompanying drawing—

*a* represents a piece of a ribbon or trimming, which may be woven in any desired style or pattern, either plain or fancy weaving.

When the warp for the same is arranged in the loom, two or more threads or cords A and B are placed in the same, of heavier or stronger material than the warp for the desired article.

These threads or cords are placed either near the center, or the same may be placed nearer to the one or to the other edge of the ribbon, or band according to the description of the trimming desired.

The thread or cord A is interwoven with the weft as the spaces *m* and *n* in the usual manner, while at the spaces *x*, between the same, this thread or cord lays free upon the front surface of the material.

The thread or cord B is interwoven with the weft at the spaces *v* and *w* in the usual manner, while at the spaces *s*, between the same, this thread or cord lays free upon the back surface of the material.

The length of the spaces *m* where the cord A is interwoven with the material is regulated and corresponds with the desired width of the plait, while the length of the spaces *n*, where the cord A is interwoven with the material corresponds with the desired width the plaits are required to be apart when folded.

The spaces *w* and *v*, where the cord B is interwoven with the material, are regulated in such a manner as to cause that part of the material which is folded under to lay regular and to secure the same against the back perfectly flat and smooth.

When the band or ribbon which is to form the box plait trimming is very wide, the cord B may be arranged in the center, having a cord, A, on each side, or several more cords may be arranged.

After the band or ribbon is finished, the cords A and B are fastened at one end of the piece, and the material moved upon the cords by drawing the same through the material, until the spaces *m* and *n* meet, whereby the regular box plait will be formed.

The spaces *x* by this operation will be folded under, so that the spaces *v* and *w* meet, and lay perfectly smooth against the under side of the material, and are thus securely fastened without the necessity of sewing, or any other manner of fastenings.

I do not claim, broadly, weaving one or more loose threads into the material, capable of being drawn or gathered up; but

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

The arrangement of cords A and B in the warp, and combined with the weft at intervals as described, and so that the fabric, when moved on such cords, will be formed into box plaits.

CATHOLINA LAMBERT.

Witnesses:

HENRY E. ROEDER,  
JOHN CHRIST.