

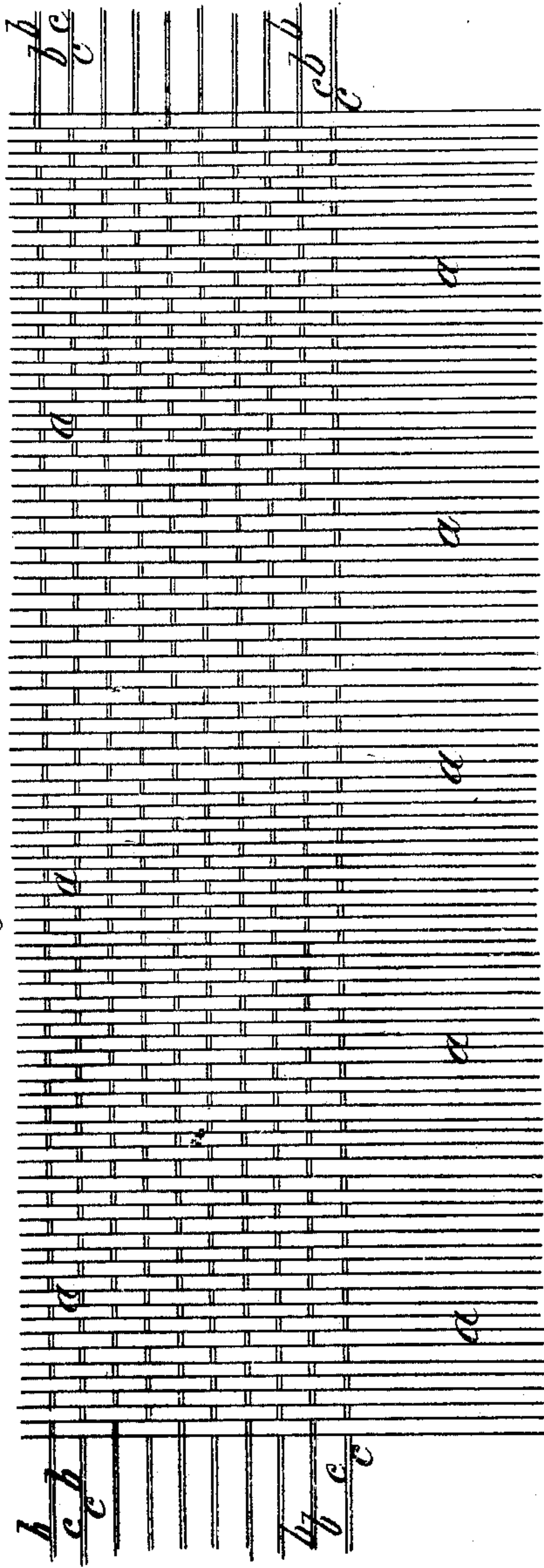
*F. Perrin.*

*Making Palm-Leaf Fabric.*

*N<sup>o</sup> 37,138.*

*Patented Dec. 9, 1862.*

*Fig. 1.*



*Fig. 2.*



*Witnesses;*

*R. H. Lundy*

*W. P. Hale Jr.*

*Inventor;*

*Franklin Perrin*

# UNITED STATES PATENT OFFICE.

FRANKLIN PERRIN, OF CAMBRIDGE, ASSIGNOR TO HIMSELF AND DAVID  
C. PERRIN, OF ROXBURY, MASSACHUSETTS.

## IMPROVED MANUFACTURE OF PALM-LEAF FABRIC.

Specification forming part of Letters Patent No. 27,138, dated December 9, 1862.

*To all whom it may concern:*

Be it known that I, FRANKLIN PERRIN, of Cambridge, in the county of Middlesex and State of Massachusetts, have invented a new and useful woven fabric or manufacture, which I do hereby declare to be fully described in the following specification and exhibited by the accompanying drawings, of which—

Figure 1 is a top view, and Fig. 2 a longitudinal section of it.

The fabric is composed of a warp of spun thread and a weft of narrow strips or bands of palm-leaf.

In carrying out my invention I slit the palm-leaf into narrow strips, each being of about one twentieth of an inch wide and of a uniform width from end to end. I arrange the threads of shade of the warp in pairs parallel to each other and without twist, those of each pair being close together, and with the space of about one-third of an inch between them and the next adjacent pair on either side. I also arrange several pairs of threads of one shade, so that when woven each pair of one warp—except those of the selvage edges—may come equally or about so between two pairs of the other warp. The shades of the warps are

alternately crossed and a strip of the palm-leaf introduced into each decussation and drawn closely up into the same.

In the drawings, *a a a* exhibit the palm-leaf filling-strips, while *b b b b c c c c* denote the pairs of warp-threads of each shade of a set of warps.

The arrangement of the warp-threads in pairs is advantageous both as affording a better support to the filling with less liability to break it by the sharpness of the bend, and, inasmuch as should one of the threads become broken the other will keep the filling in its proper arrangement with respect to the warps. A fabric so made is very useful in the manufacture of hats, bonnets, bags, and various other articles. The thread used for the warp may be of either cotton, flax, or silk.

I claim—

The new or improved fabric or manufacture as made with its warps of spun thread in pairs and its weft of strips of palm-leaf, arranged together substantially as described.

FRANKLIN PERRIN.

Witnesses:

R. H. EDDY,  
F. P. HALE, Jr.