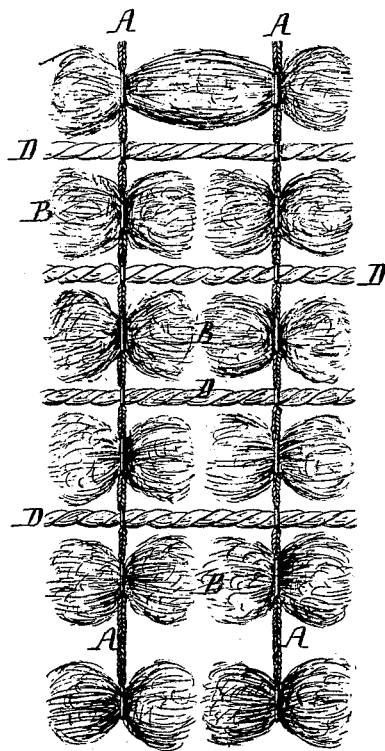


M. LANDENBERGER.

FRINGE.

No. 188,804.

Patented March 27, 1877.



Witnesses
Bergmann Hoepfner
Henry Smith

Martin Landenberger
by his Attorneys
Howe and son

UNITED STATES PATENT OFFICE.

MARTIN LANDENBERGER, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN FRINGES.

Specification forming part of Letters Patent No. 188,804, dated March 27, 1877; application filed November 20, 1876.

To all whom it may concern:

Be it known that I, MARTIN LANDENBERGER, of Philadelphia, Pennsylvania, have invented a new and useful Improvement in Fringes, of which the following is a specification:

My invention relates to an improvement in that class of fringes known as tufted fringes, which are composed of numbers of tufts secured to or forming part of pendent cords; and the object of my invention is to so make a fringe of this character that its tendency to become tangled will be prevented—an object attained in the manner which I will now proceed to describe, reference being had to the accompanying drawing, the figure in which represents a portion of my improved fringe.

A are cords pendent from the edge of the body fabric, and each of these cords carries a number of tufts, B, each formed by fulling the loose ends of a number of threads connected at the center to or forming part of the said cords A.

Fringe made in this manner has been heretofore manufactured; but, owing to the freedom of the pendent cords A, the tufts B are very liable to become entangled and to present an unsightly appearance, and in disentangling them there is incurred the danger of pulling away the threads of which the tufts are composed, and of otherwise disintegrating and distorting them.

These objections I overcome by combining with the cords A supplementary cords D, which traverse the fringe at right angles, or thereabout, to the cords A, to which they are secured at the points of crossing. The number of these cords D will depend upon the depth and character of the fringe, sufficient being employed to insure the retention of the cords A separate from each other at all points, so that the tufts B will be prevented from coming into contact with each other and becoming entangled.

The cords D may be introduced during the formation of the fringe, or may be applied to a fringe already finished, and in some cases a number of strands may be used in place of the single cord D.

I claim as my invention—

The combination, in a fringe, of pendent cords A, carrying tufts B, with the supplementary cords or strands D, as and for the purpose set forth.

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

MARTIN LANDENBERGER.

Witnesses:

GUS. A. MILLER,
HARRY SMITH.