2 Sheets—Sheet 1.

F. W. HUPPELSBERG.

CORDED EDGE BRAID.

No. 192,262. Patented June 19, 1877.

Fig. 1.

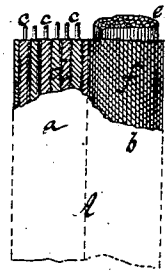


Fig. 2.



Witnesses.
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Hugo Bruggemann

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by
Van Santvoord & Hauff
his attorneys.

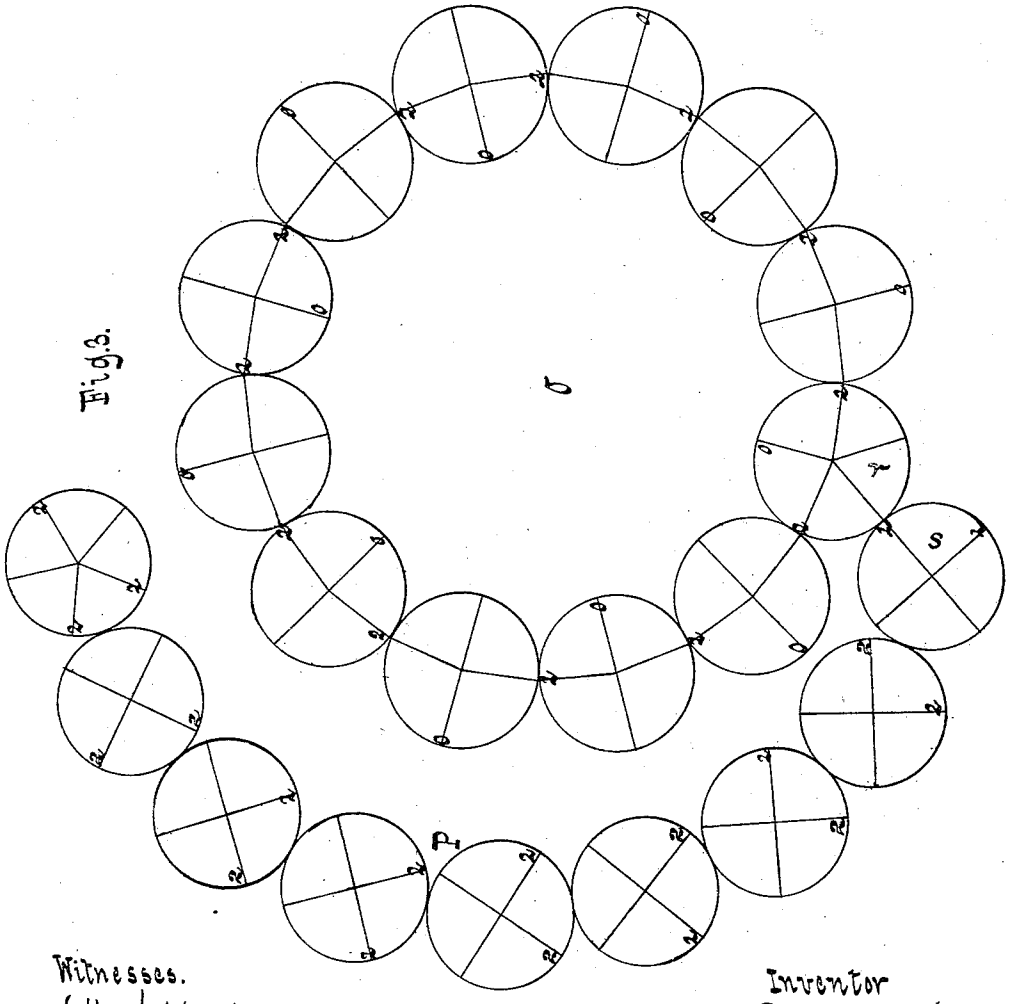
N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

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UNITED STATES PATENT OFFICE.

FRIEDRICH W. HUPPELSBERG, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN CORDED-EDGE BRAID.

Specification forming part of Letters Patent No. **192,262**, dated June 19, 1877; application filed March 24, 1877.

To all whom it may concern:

Be it known that I, FRIEDRICH W. HUPPELSBERG, of Brooklyn, E. D., in the county of Kings and State of New York, have invented a new and Improved Corded-Edge Braid, which invention is fully set forth in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a side view in an enlarged scale. Fig. 2 is a transverse section of the same. Fig. 3 is a diagram illustrating the machine which I use in carrying out my invention, which, if considered in connection with the Letters Patent granted me December 5, 1875, No. 160,198, will enable those skilled in the art to comprehend the same.

Similar letters indicate corresponding parts.

This invention consists in a braid one edge of which forms a cord, the whole being braided in one piece, so that by means of the flat portion of said braid, the cord can be readily attached to a garment or piece of furniture without stitching or nailing through said cord.

In the drawing, the letter A designates my braid, which consists of a flat portion, *a*, and a round portion, *b*, said round portion having the appearance of a cord, such as is usually employed for binding or ornamenting the edges of garments or of articles of furniture.

The flat portion *a* consists of a series of longitudinal or warp-threads, *c*, which run parallel to each other, and are connected together and covered by the braiding-threads *d*. The round portion *b* of my braid consists of parallel or warp-threads *e*, which run parallel to the threads *c*, and are covered and held together by the braiding-threads *f*.

Both operations, that of making a flat braid, and also that of plaiting a round cord, are well known, and are performed on an ordinary braiding-machine, but I have combined both operations into one, so that the braiding-threads *d*, which serve to unite the warp-threads *c* of the flat portion *a*, are also used in plaiting the round portion *b*, additional threads being introduced so as to cover entirely said round portion.

The manner in which the combination of the ordinary machine for making flat braids and that for plaiting round cords are combined is illustrated in Fig. 3.

In this diagram, the letter O designates an ordinary machine for plaiting round cords in the disks, of which work the jacks 2 *o*. From one of the disks, *r*, the jacks 2 pass back into disk *s* of the machine P, for making flat braids, and after having circulated through the disks of this machine, said jacks 2 pass back into the machine O.

The threads carried by the jacks 2, therefore, together with the threads carried by the jacks *o*, form the plaiting for the round cord, while the threads carried by the jacks 2 also form the flat braid.

This combination of the two machines forms the subject matter of a separate application for a patent; and I do not, therefore, give a detailed description of the same in this present specification.

The great advantage of my corded-edge braid will be readily appreciated by tailors, dressmakers, upholsterers, and others. If an ordinary round cord is to be attached to the edge of a garment, the tailor or dressmaker has to stitch through the cord, an operation which cannot be performed on a sewing-machine, and which is exceedingly tedious.

My corded-edge braid can be readily fastened by placing its flat portion between the layers forming the edge of a garment, and securing the whole together by one seam, which can be readily done on a sewing-machine, and thereby the corded or round portion of my braid is at once firmly retained in position, and the same effect is produced as by an ordinary round cord. In the same manner much time and labor are saved, by using my corded-edge braid in ornamenting upholstered furniture.

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

A braid combined with a plaited cord upon one edge, in one and the same piece, substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 23d day of March, 1877.

F. W. HUPPELSBERG. [L. S.]

Witnesses:

W. HAUFF,

E. T. KASTENHUBER.