

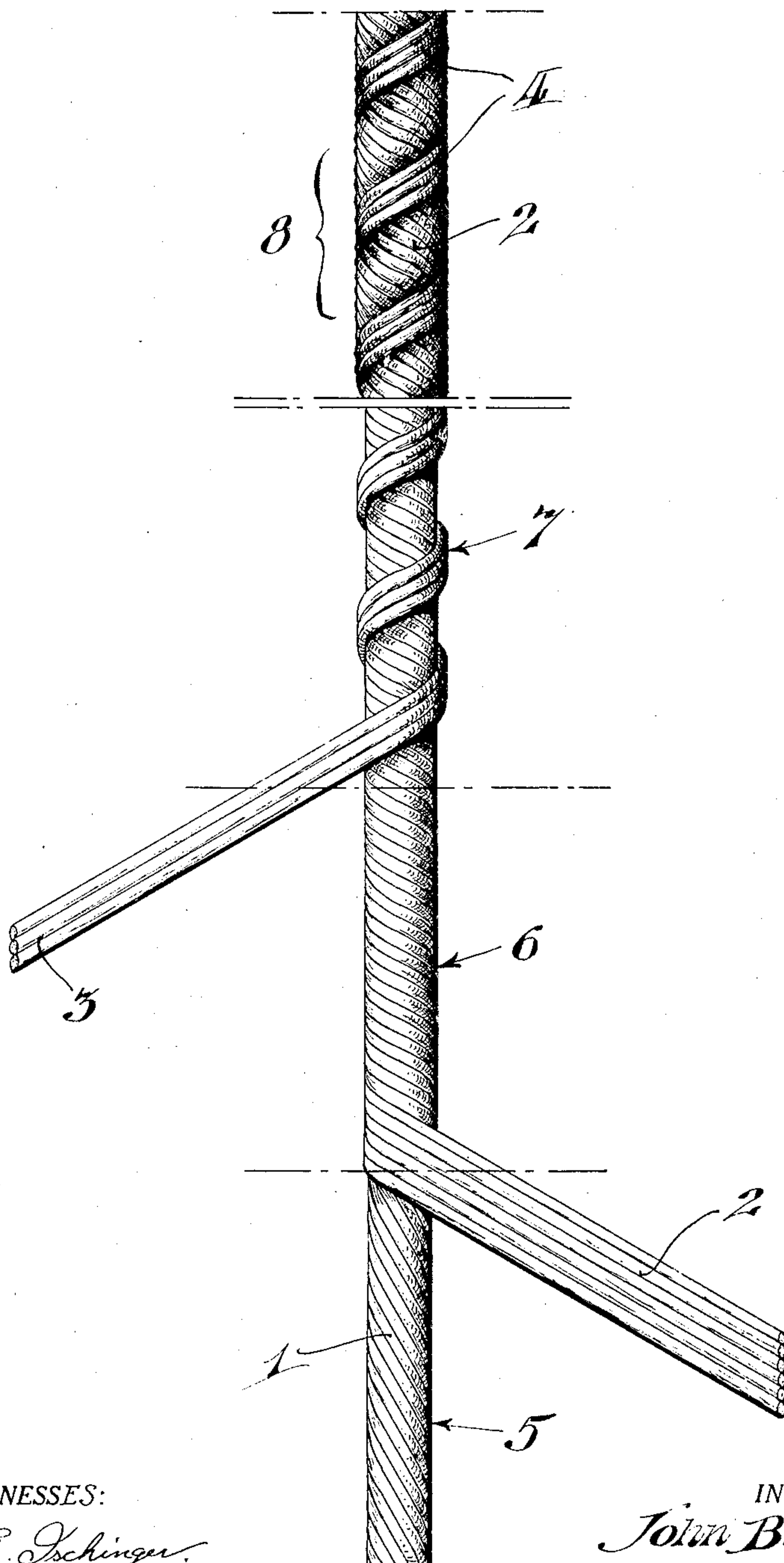
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RUG STRAND AND METHOD OF MAKING THE SAME

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RUG STRAND AND METHOD OF MAKING THE SAME.

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My invention relates to rug strands and method of making the same.

The usual strand is made by winding one set of colored threads around a filler in one direction and another set of threads in the opposite direction, so that the outer set of threads is in relief on the inner set of threads. Such strands produce a rug having deep crevices in its surface which give it an objectionable appearance.

The objects of my invention are to provide a strand having its inner set of threads bulging between its outer set, thereby producing a strand of uniform diameter which, when the strand is made into a rug, produces an even surface free of objectionable crevices, and to provide a method for making the strand.

These objects, and other advantageous ends which will be described hereinafter, I attain in the following manner, reference being had to the accompanying drawings in which

The figure in the drawing is a view of a strand as it appears at different stages of its making.

Referring to the drawings, 1 indicates a filler which may be a group of parallel threads of cloth, hemp, jute or other similar material, 2 an inner set of threads wound around the filler in one direction, and 3 an outer set of threads wound around the inner set in the opposite direction. The inner and outer sets of threads may be colored in various shades to produce a pleasing effect. The finished strand has the inner set of threads 2 bulging between the windings 4 of the outer set, thereby forming a strand of practically uniform diameter.

The method of making this strand consists in twisting filler 1 in one direction as shown at 5, then loosely winding the inner set of threads around the twisted filler in the same direction as shown at 6, and then winding the outer set of threads around the inner set in opposite direction, and under a greater tension than the tension of the inner set as shown at 7, and then allowing the twisted filler to untwist so that the inner set of threads 2 which are loosely wound, will unwind slightly and bulge between the windings of the outer set of threads which by such untwisting will tighten up slightly. The resultant effect of such twisting and varying tension on the threads is a strand as shown at 8 which has the in-

ner set of threads bulging between the windings of the outer set. Such strands when made into a rug produce an even surface which imparts a neat and pleasing effect to the rug.

An ordinary machine may be used for performing the different functions on the filler and threads by simply providing the machine with suitable means for turning the spool carrying the filler to produce the twist, and means on the disks which carry the thread spools for producing the different tensions on the threads as they are wound around the filler.

A strand made in this manner may be made at practically the same cost as the old and objectionable strands and, being free of cavities, insures a strong stitching between the strands when made into a rug.

While I have described my invention as taking a particular form, it will be understood that the various parts may be changed without departing from the spirit thereof, and hence I do not limit myself to the precise construction set forth, but consider that I am at liberty to make such changes and alterations as fairly come within the scope of the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. A strand for making rugs comprising a twisted filler; an inner set of threads wound around the filler in one direction, and an outer set of threads wound around the inner set in opposite direction and having the inner set bulging between the windings of the outer set.

2. A strand for making rugs comprising a twisted filler; an inner set of threads wound around the filler in one direction, and an outer set of threads wound around the inner set in opposite direction and having the inner set bulging between the windings of the outer set, the tension of the outer set of threads being greater than the tension of the inner set.

3. A method of making rug strands consisting in twisting the filler in one direction; winding an inner set of threads around the filler in the same direction; winding an outer set of threads around the inner set in opposite direction, and allowing the twisted filler to untwist whereby the inner set of threads will bulge between the windings of the outer set.

4. A method of making rug strands consisting in twisting the filler in one direction; winding an inner set of threads loosely around the filler in the same direction; 5 winding an outer set of threads around the inner set in the opposite direction under tension, and allowing the twisted filler to untwist, whereby the inner set of threads will bulge between the windings of the outer 10 set.

5. A rug strand comprising a twisted filler, an inner set of threads wound in a tight spiral around the filler in one direction, and an outer set of threads wound in 15 an open spiral around the inner set in the opposite direction and having the inner set bulging between the turns of the outer set.

6. A rug strand comprising a twisted filler, an inner set of threads wound in a tight 20 spiral around the the filler in one direction, and an outer set of threads wound in an open spiral around the inner set in the opposite direction and having the inner set bulging between the turns of the outer set; 25 the inner set containing approximately twice as many threads as are in the outer set.

7. A method of making a rug strand consisting in twisting the filler in one direction, winding an inner set of contiguously dis- 30 posed threads around the filler in the same direction so that the several turns are contiguously disposed to one another, winding an outer thread around the inner set of threads in the opposite direction, and allow- 35 ing the filler to untwist whereby the inner set of threads will bulge between the turns of the outer thread.

8. A method of making a rug strand consisting in twisting the filler in one direction, winding an inner set of contiguously disposed threads around the filler in the same direction so that the several turns are contiguously disposed to one another, wind- 45 ing an outer set of threads, consisting of approximately one-half the number of contiguously disposed threads as are in the inner set, around the inner set in the opposite direction, and allowing the filler to untwist whereby the inner threads will bulge be- 50 tween the turns of the outer set.

In testimony whereof I have signed my name to this specification.

JOHN B. FARRELL.