July 16, 1935. W. E. SACKNER 2,008,368

CORD OR EDGE ROLL

Filed May 22, 1933

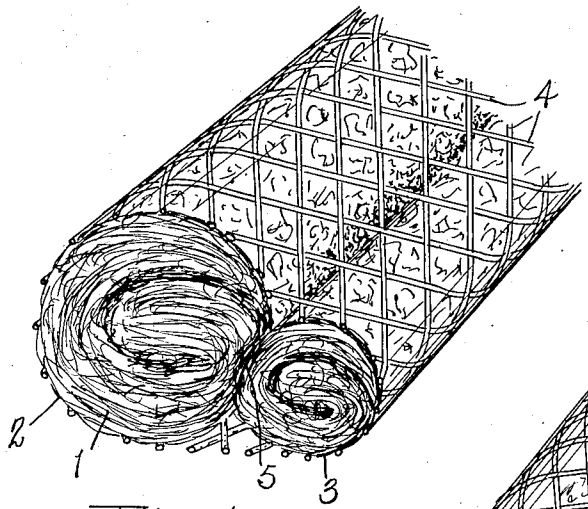


Fig. 1

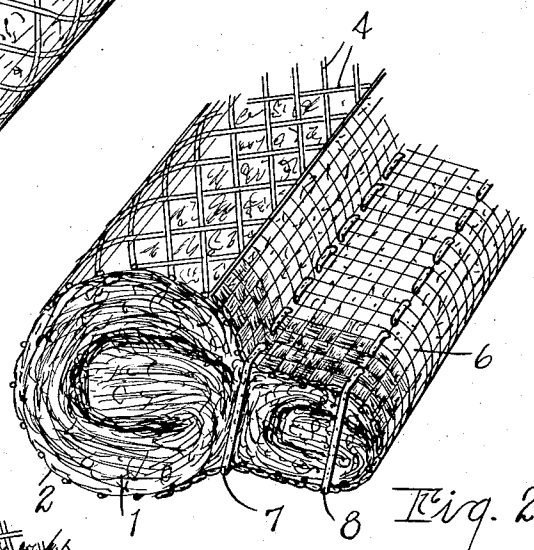


Fig. 2

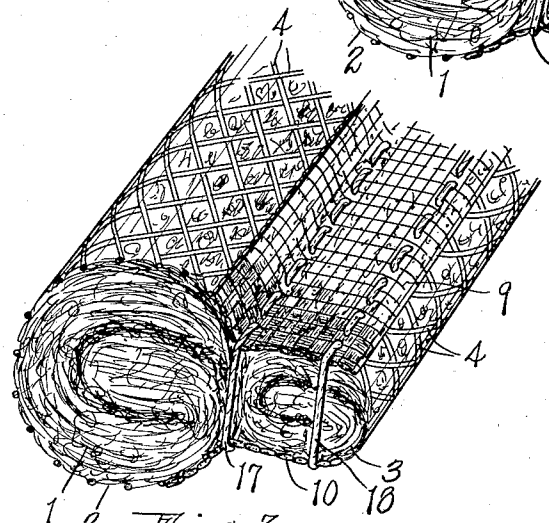


Fig. 3

INVENTOR
Wade E. Sackner

BY Chappell & Earl
ATTORNEYS.

Patented July 16, 1935 2,008,368

UNITED STATES PATENT OFFICE

2,008,368

CORD OR EDGE ROLL

Wade E. Sackner, Grand Rapids, Mich., assignor to Grand Rapids Fibre Cord Company, Grand Rapids, Mich.

Application May 22, 1933, Serial No. 672,177

14 Claims. (Cl. 96—26)

The objects of this invention are:

First, to provide a new and improved cord or edge roll for use on furniture or the like.

Second, to provide such a cord or edge roll that is easily and quickly made.

Other objects and advantages pertaining to details and economies of construction and operation, will appear from the description to follow. A preferred embodiment of my invention is illustrated in the accompanying drawing, in which:

Fig. 1 is a perspective sectional view of my edge roll in the process of manufacture.

Fig. 2 is a perspective sectional view of my finished cord or edge roll.

Fig. 3 is a perspective sectional view of a different form of my edge roll.

The parts will be identified by their numerals of reference which are the same in all the views.

The edge roll is formed from any resilient fibrous material such as jute or hair or wadded cellulose or the like. This is illustrated at 1. Two bats of jute or the like are run through forming dies to form the cords 2 and 3. These are preferably formed by folding a bat on itself as illustrated to give a proper cylindrical form. The cords are formed in forming dies and are run from the forming dies to a braiding machine. These cords are disposed longitudinally together and are run through the braiding machine where the braided threads 4 are wrapped around the two cords, holding them together.

It will be noted that when the two cords are wrapped by the braided threads the threads are not in contact with the cords at their line of contact 5 but extend from the surface of one cord to the next without following the exact contour of the two cords. In order to tighten the threads and to form a reinforcement at the line of contact 5, I provide a fabric strip 6. It will be noted that the cord 3 is smaller than the cord 2 and the fabric strip 6 is placed around the smaller cord 3 but has its edges overlapping the line of contact 5.

A row of stitches 7 is run longitudinally of the cord, passing through the fabric 6 on both sides of the edge roll and passing through the larger cord 2. If desired, these stitches may also pass through the edge of the smaller cord 3. This pulls the braided threads 4 down into contact with the two cords at the line of contact 5 and tightens the threads 4 to form a solid edge roll and the smaller cord forms an attaching web.

If desired, a second line of stitches 8 may be run passing twice through the fabric 6 and through the smaller cord. This has a compressing effect and makes a firmer attaching web.

In Fig. 3, instead of using a single strip 6 I use a pair of fabric strips 9 and 10. These strips are disposed on opposite sides of the edge roll and overlap the line of contact 5. A row of stitches 17 passes through each strip and through the larger cord 2 and may also pass through the smaller cord. A second row of stitches 18 passes through both strips of fabric and through the smaller cord, thus compressing it to form a satisfactory attaching web.

It will be seen that this cord has braided wrapping threads 4 which are sufficient to hold the resilient material in its desired form. These threads do not furnish a satisfactory reinforcing if stitching is to be put through the cord or is to be used in attaching the edge roll to furniture. The fabric strips 6, or 9 and 10, serve this purpose and also tend to tension the braided wrapping threads 4 to make a tightly held roll.

The roll may be easily and cheaply made by first feeding the jute making up cords 2 and 3 to forming dies and then feeding the device directly to a braider. The braided cord is then fed directly through a forming die with the fabric strip 6 or the strips 9 and 10 and as the article comes through the forming die with the strips of fabric in place the lines of stitches 7 and 8 or 17 and 18 are made on a sewing machine.

The final product is an edge roll with reinforcing placed where it is needed, saving the expense of additional fabric where it is not necessary. The fabric performs a very satisfactory function between the cords 2 and 3 and the attaching web is suitable for either sewing or nailing to furniture or the like.

I have described my improved cord in the form preferred by me but wish to claim the same broadly as well as specifically, as pointed out in the appended claims.

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

1. A cord or edge roll comprising a pair of cords of resilient fibrous material compressed to substantially cylindrical form and of different size and disposed longitudinally together, braided wrapping threads embracing both cords, a pair of fabric strips each disposed longitudinally of said cords along the line of contact of said cords, a row of stitches through both fabric strips and said larger cord, and a second row of stitches spaced therefrom and through both of said strips and through said smaller cord.

2. A cord or edge roll comprising a pair of cords of resilient fibrous material compressed to form and of different size and disposed longitudinally together, braided wrapping threads embracing both cords, a pair of fabric strips each disposed longitudinally of said cords along the line of contact of said cords, a row of stitches through both fabric strips and said larger cord, and a second row of stitches spaced therefrom and through both of said strips and through said smaller cord.

3. A cord or edge roll comprising a pair of cords of resilient fibrous material compressed to form and disposed longitudinally together, braided wrapping threads embracing both cords, a pair of fabric strips each disposed longitudinally of said cords along the line of contact of said cords, a row of stitches through both fabric strips and one of said cords, and a second row of stitches spaced therefrom and through both of said strips and through the other of said cords.

4. A cord or edge roll comprising a pair of cords of resilient fibrous material compressed to substantially cylindrical form and of different size and disposed longitudinally together, braided wrapping threads embracing both cords, a fabric strip disposed around the smaller of said cords and overlapping the line of contact of said cords, a row of stitches passing twice through said strip and through said larger cord, and a row of stitches passing twice through said strip and through said smaller cord.

5. A cord or edge roll comprising a pair of cords of resilient fibrous material compressed to form and of different size and disposed longitudinally together, braided wrapping threads embracing both cords, a fabric strip disposed around the smaller of said cords and overlapping the line of contact of said cords, a row of stitches passing twice through said strip and through said larger cord, and a row of stitches passing twice through said strip and through said smaller cord.

6. A cord or edge roll comprising a pair of cords of resilient fibrous material compressed to substantially cylindrical form and of different size and disposed longitudinally together, braided wrapping threads embracing both cords, a fabric strip disposed around the smaller of said cords and overlapping the line of contact of said cords, a row of stitches passing twice through said strip and through said larger cord.

7. A cord or edge roll comprising a pair of cords of resilient fibrous material compressed to form and of different size and disposed longitudinally together, braided wrapping threads embracing both cords, a fabric strip disposed around the smaller of said cords and overlapping the line of contact of said cords, and a row of stitches passing twice through said strip and through said larger cord.

8. A cord or edge roll comprising a pair of cords of resilient fibrous material compressed to form and disposed longitudinally together, braided wrapping threads embracing both cords, a fabric strip disposed around one of said cords and overlapping the line of contact of said cords, and a row of stitches passing twice through said strip and through the other of said cords, and a row of stitches passing twice through said strip and through the first mentioned cord.

9. A cord or edge roll comprising a pair of cords of resilient fibrous material compressed to form and disposed longitudinally together, braided wrapping threads embracing both cords, a fabric strip disposed around one of said cords and overlapping the line of contact of said cords, and a row of stitches passing twice through said strip and through the other of said cords.

10. A cord or edge roll comprising a pair of cords of resilient fibrous material compressed to substantially cylindrical form and of different size and disposed longitudinally together, fabric overlying the line of contact between said cords and on both sides thereof, a row of stitching passing through the fabric at both sides of the edge roll and through the larger cord, and a row of stitches passing through said fabric at both sides of the edge roll and through the smaller cord.

11. A cord or edge roll comprising a pair of cords of resilient fibrous material compressed to form and of different size and disposed longitudinally together, fabric overlying the line of contact between said cords and on both sides thereof, a row of stitching passing through the fabric at both sides of the edge roll and through the larger cord, and a row of stitches passing through said fabric at both sides of the edge roll and through the smaller cord.

12. A cord or edge roll comprising a pair of cords of resilient fibrous material compressed to form and of different size and disposed longitudinally together, fabric overlying the line of contact between said cords and on both sides thereof, a row of stitches passing through the fabric at both sides of the edge roll and through the larger cord.

13. A cord or edge roll comprising a pair of cords or resilient fibrous material compressed to form and disposed longitudinally together, fabric overlying the line of contact between said cords and on both sides thereof, a row of stitches passing through the fabric at both sides of the edge roll and through one of said cords, and a row of stitches passing through said fabric at both sides of the edge roll and through the other of said cords.

14. A cord or edge roll comprising a pair of cords of resilient fibrous material compressed to form and disposed longitudinally together, fabric overlying the line of contact between said cords and on both sides thereof, and a row of stitches passing through the fabric at both sides of the edge roll and through one of said cords.

WADE E. SACKNER.