April 11, 1950 B. BOERSMA 2,503,791

CORD OR EDGE ROLL FOR UPHOLSTERY

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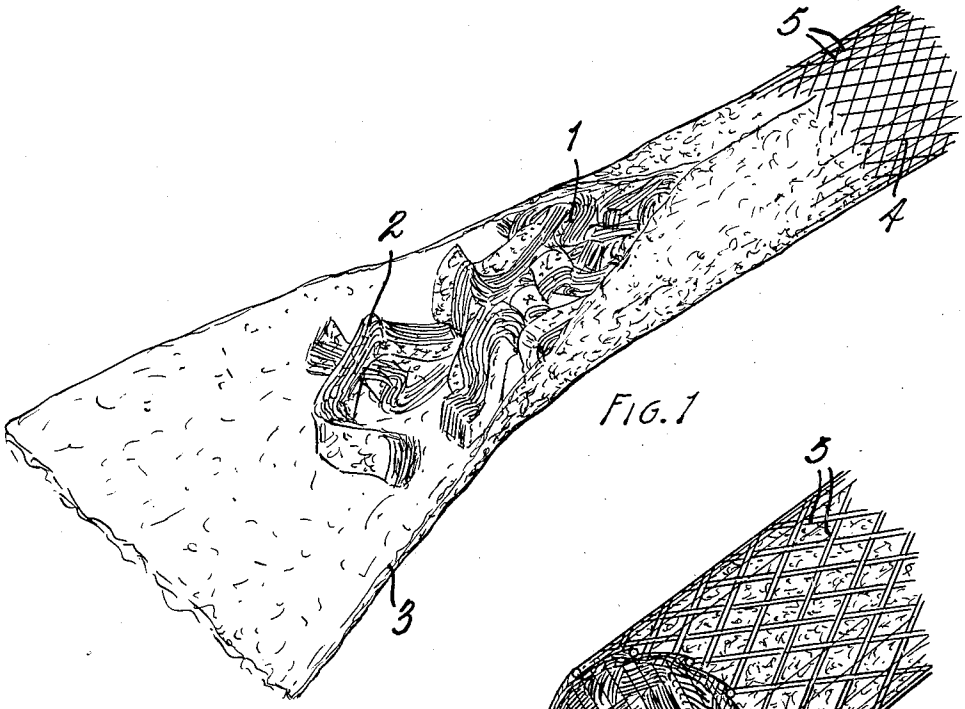


FIG. 1

FIG. 2

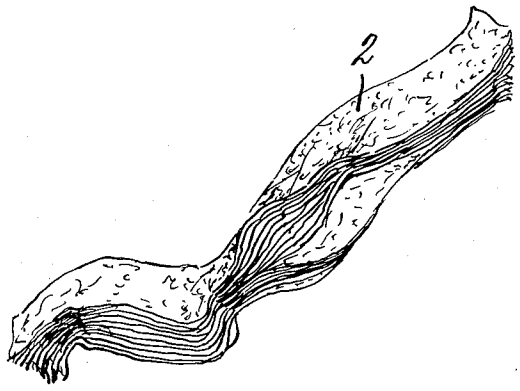


FIG. 3

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CORD OR EDGE ROLL FOR UPHOLSTERY

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7 Claims. (Cl. 87—6)

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This invention relates to cord or edge rolls for upholstery.

The main objects of this invention are:

First, to provide a cord or edge roll or packing for use in upholstery and similar purposes which may be economically produced and at the same time is highly resilient and may be readily flexed or bent without crinkling.

Second, to provide a packing roll or cord which comprises a core which may be made up of material commonly regarded as waste.

Third, to provide a packing roll or cord which may be very easily manipulated for particular installations without objectionably destroying its shape or resilience.

Objects relating to details and economies of the invention will appear from the description to follow. The invention is defined and pointed out in the claims.

A preferred embodiment of the invention is illustrated in the accompanying drawing, in which:

Fig. 1 is a fragmentary perspective view of a packing roll or cord embodying my invention and illustrating process or steps in the manufacture thereof.

Fig. 2 is a fragmentary perspective view of a completed cord or roll embodying my invention, one end being in cross section.

Fig. 3 is a perspective view of one of the shreds of which the core is constituted.

It will be understood that the parts shown in the accompanying drawing are more or less conventionalized and no attempt has been made to show the thickness and structural character of the thin tissue-like cellulose material. In fact, it would be practically impossible to illustrate this with accuracy. The cellulose creped wadding is sold commercially under the trade name "Kimpak."

The packing roll or cord of my invention comprises a core designated generally by the numeral 1 and in the embodiment is of cylindrical form. This core consists of shreds 2 of multi-ply cellulose creped wadding, the shreds being disposed in helter-skelter relation—that is, no attempt is made to place them in any particular relation to each other, the helter-skelter relation however being a desirable feature as it results in a very resilient core and one which maintains its resilience and is uniformly resilient to pressures from any direction.

This core is surrounded by a wrapping sheet 3 preferably a sheet of multi-ply cellulose wadding which is wrapped around the core to completely

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embrace the same. This wrapping sheet is embraced by a braided covering designated generally by the numeral 4 and made up of spirally or helically disposed braided threads or strands 5 extending throughout the length of the roll or cord. These strands not only hold the wrapping sheet closely around the core material but add tensile strength while permitting yielding under pressure.

The core material is compacted to the desired density, some cords or rolls being quite soft and others quite resistant but in any case a high degree of resiliency is provided by the core and this may be very uniform when the core material is uniformly distributed.

The wrapping sheet is, in the preferred embodiment, a multi-ply creped cellulose wadding sheet as that is readily yieldable under compressing stresses—that is, it is more yieldable than a fabric sheet although a creped paper might be substituted for some purposes with quite satisfactory results.

The shreds of the core material are available in considerable quantities as waste or trimmings but even regarded from the standpoint of shredding the wadding, the cord or roll of my invention may be produced quite economically and has the advantage of being very resilient and of maintaining its resilience and may be, as stated, bent or angled without crinkling or objectionable distorting.

I have illustrated and described my invention in an embodiment which I consider highly practical. I have not attempted to illustrate or describe other embodiments or adaptations as it is believed that this disclosure will enable those skilled in the art to embody or adapt the invention as may be desired.

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

1. A packing cord consisting of a cylindrical core of shreds of multi-ply cellulose crepe wadding individually of substantially cross section and length in helter-skelter relation and compressed, a sheet of multi-ply creped cellulose wadding wrapped around the core to completely embrace the same, and helically disposed braided threads closely embracing said wrapping sheet and providing a net-like covering therefor.

2. A packing cord consisting of a core of shreds of cellulose wadding of substantial cross section and length in helter-skelter relation and compressed, a sheet of creped cellulose wrapped

around the core, and braided threads closely embracing and retaining said wrapping sheet.

3. A packing cord comprising a core of shreds of cellulose wadding arranged in helter-skelter relation, and a sheet of multi-ply cellulose wadding embracing and secured around said core.

4. A packing cord comprising a core of shreds of cellulose wadding arranged in helter-skelter relation, a flexible wrapping sheet around said core, and a reinforcing and retaining covering of braided strands around said wrapping sheet.

5. A packing cord comprising a core of shreds of cellulose wadding arranged in helter-skelter relation, and a flexible wrapping sheet around said core.

6. A packing cord comprising a core of shreds of cellulose wadding arranged in helter-skelter

relation, and a sheet of creped cellulose secured around said core.

7. A packing cord comprising a core of shreds of cellulose wadding arranged in helter-skelter compressed relation, and a surrounding reinforcing and retaining covering of braided strands.

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