March 22, 1949. N. I. FLEISCHER 2,465,081

PACKING CORD

Filed Nov. 20, 1945

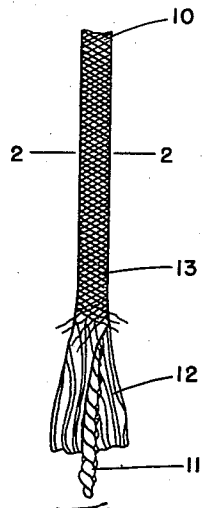


Fig. 1.

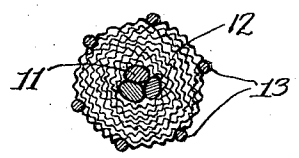


Fig. 2.

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PACKING CORD

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6 Claims. (Cl. 87—6)

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This invention relates to packing cords, and in particular to a soft packing or filler cord which is characterized by its lightness and tensile strength.

An object of the invention is to provide a reinforced inexpensive packing cord which may be fabricated in great quantities by modern mass production methods.

Another object of the invention is to provide a packing cord, the major portion of which comprises a soft resilient filler member of crepe paper which is wrapped about a central cord-like core member which is adapted to impart a certain amount of elasticity and tensile strength to the finished product.

These and other objects are attained by the means described herein, and as disclosed in the accompanying drawings, in which

Fig. 1 is a side elevational view of a packing cord constructed in accordance with the teachings of the present invention, with the lower end thereof opened up and spread apart in order to disclose certain structural features of the cord.

Fig. 2 is a section taken through line 2—2 of Fig. 1.

With reference now to the drawings, it will be observed that the present packing cord 10 comprises a central core member 11, a filler member 12, and an outer jacket 13.

Core member 11 preferably comprises a 2 or 3 ply cord of cotton, jute, or other fiber. The physical characteristics of this core member are such as to impart an elasticity to the finished product, while at the same time imparting rigidity and tensile strength thereto.

The filler member 12 preferably comprises a sheet of Fourdrinier crepe or tissue paper entwined and crumpled about core member 11 for providing a soft resilient body to the packing cord. In this connection it will be observed that the sheet of crepe or tissue paper is compressed incident to being wound and crumpled about the core member, as distinguished from merely being wound about the core member.

After the filler has been applied to the core member, an outer jacket 13 may be braided thereon for fixing the filler member relative to the core member and for maintaining the cylindrical contour of the cord.

It will be understood that the crepe or tissue paper filler sheet may be applied to the core member by means of a suitable machine, after which it may be passed through a regular braiding machine for applying the braided outer jacket.

The resultant cord is characterized by being lighter than cords comprising solely cotton fiber, and it is likewise considerably stronger, yet equally as light as packing cords made from a plurality of layers of crepe or tissue paper crumpled and compressed together to form a packing cord.

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It should be understood that certain modifications and changes may be made in the structural details of the present device, within the scope of the appended claims, without departing from the spirit of the invention.

What is claimed is:

1. A packing cord comprising a fiber core, layers of crepe sheeting crumpled and compressed around said core, and a braided jacket securing said sheeting in place.

2. A packing cord comprising a core of twisted fiber, a filler comprising a single sheet of crepe paper crumpled onto and compressed about said core, and a braided jacket surrounding said filler.

3. A packing cord made up from a core member comprising a plurality of twisted fibers, a filler comprising a single sheet of crepe paper wrapped and crumpled about said core member, and a jacket surrounding said filler and securing it in place around said core member.

4. A packing cord comprising a core member fabricated from a plurality of strands of intertwined fiber cording, a filler member comprising a single sheet of crepe paper wrapped and crumpled about said core member, and an outer jacket surrounding said filler member and comprising braided wrapping threads.

5. A packing cord comprising a core member fabricated from a plurality of strands of intertwined fiber cording, a filler member comprising a single sheet of crepe paper wrapped and crumpled about said core member, and an outer jacket surrounding said filler member and comprising braided wrapping threads, and wherein the core member is characterized by having less elasticity than said filler member and outer jacket.

6. A packing cord comprising a core member fabricated from a plurality of strands of intertwined fiber cording, a filler member comprising a single sheet of crepe paper wrapped and crumpled about said core member, and an outer jacket surrounding said filler member and comprising braided wrapping threads, and wherein said core member is characterized by its tensile strength which is imparted to the composite cord.

NATHAN I. FLEISCHER.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
864,996	Sackett	Sept. 3, 1907
1,821,582	Sackner	Sept. 1, 1931
2,107,467	Buhler	Feb. 8, 1938
2,360,106	Buhler	Oct. 10, 1944