

UNITED STATES PATENT OFFICE.

FELIX RIESENBERG, OF TUCKAHOE, NEW YORK.

WATER-RESISTANT ROPE.

No Drawing.

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To all whom it may concern:

Be it known that I, FELIX RIESENBERG, a citizen of the United States, and a resident of Tuckahoe, in the county of Westchester and State of New York, have invented a new and Improved Water-Resistant Rope, of which the following is a full, clear, and exact description.

The present invention relates to new and useful improvements in cordage, and it pertains more particularly to a water-proof rope structure.

It is one of the primary objects of the present invention to construct a rope so that when finished it will be possessed of water-resistant properties.

In carrying out the invention, down known as "kapok" (*Ceiba pentandra*), is combined with the fibers from which the rope is formed in a quantity sufficient to produce a fibrous structure which will resist, to a certain extent, the action of water.

Rope as ordinarily constructed is formed from strands, which in turn are formed from yarns, which yarns consist of spun fibers of the material from which the rope is formed, such, for example, as manila hemp, sisal, etc.

In manufacturing rope in accordance with the present invention, the "kapok" in

the form of down, is combined with the fiber from which the rope is to be formed and the different fibers are spun together to form the yarns. After the yarns are formed they are employed in the ordinary manner to form the rope.

In lieu of employing "kapok" down in spun relation with the fibers from which the yarns are formed, it is obvious that it may be combined with the yarns in unspun relation with the fibers, or it may be combined with the yarns in the form of a cover, and I do not wish to be limited specifically to the combining of the "kapok" down with the other fibers forming the rope in spun relation.

By combining "kapok" (the down of the *Ceiba pentandra*) with the fiber from which the rope is formed, I impart water- or moisture-resisting properties thereto since the "kapok" (*Ceiba pentandra*) is possessed of the natural ability of resisting moisture and water.

What is claimed is:

The method of forming waterproof cordage which consists of combining with the fiber from which the cordage is formed and in spun relation therewith, down of the "*Ceiba pentandra*" and known as "kapok."

FELIX RIESENBERG.