

E. H. PARKER.
LIGHTNING ROD CABLE.
APPLICATION FILED DEC. 23, 1910.

1,004,681.

Patented Oct. 3, 1911.

Fig: 1.



Fig: 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

EDWARD HENRY PARKER, OF NEW YORK, N. Y.

LIGHTNING-ROD CABLE.

1,004,681.

Specification of Letters Patent.

Patented Oct. 3, 1911.

Application filed December 23, 1910. Serial No. 598,968.

To all whom it may concern:

Be it known that I, EDWARD HENRY PARKER, a citizen of the United States, and a resident of the borough of Brooklyn, in the county of Kings, city and State of New York, have invented certain new and useful Improvements in Lightning-Rod Cables, of which the following is a specification.

The objects of my invention are, in general, to improve and increase the efficiency of devices of this character.

In the making of lightning rod cables, materials of good conductive quality must be used, such as copper, aluminum, etc., and inasmuch as a cable of this sort must be made comparatively large so as to withstand the charges of high tension electricity, the cost of lightning rod cables has heretofore been considerable.

Another object of my invention is to cheapen the cost of production of cables of this character.

In its most practical form the invention consists of a plurality of assembled strands, each of which strands is made up of a plurality of wires of good conducting material braided together. These strands may be assembled by a twisting process, or in any other suitable manner. I am thus enabled by my invention to provide a conductor or cable which is very light and which at the same time is of sufficient cross-sectional area to possess the necessary conductive qualities.

In the accompanying drawings I have illustrated a preferred embodiment of my invention, but changes and modifications may be made therein without departing from the spirit and scope of the invention.

In the drawings: Figure 1 is an enlarged

view of a portion of the lightning conductor embodying my invention. Fig. 2 is a like view of a portion of one of the strands which go to make up the conductor.

Like reference characters refer to similar parts in the different views.

In accordance with my invention, a number of wires 1 of good conducting material, such as copper, are first braided to form a strand 2. A number of these strands are then taken and assembled or united to form a cable by twisting them together, substantially as indicated in the drawing. The number of strands and the number of wires to each strand may of course vary to suit different conditions and requirements.

A conductor constructed in accordance with my invention is more or less "spongy" in its nature, and inasmuch as it is of substantially uniform diameter, and possesses the necessary surface area, it serves just as well for the conduction of electric currents as a solid rod or even an ordinary twisted wire cable would, and without the weight and expense of a solid rod or cable.

What is claimed, is:

A lightning rod cable composed of wires, of a good conducting material, "braided" together to form strands spongy in texture, the strands so formed being "twisted" together to form a flexible cable of substantially uniform diameter.

Signed at New York city in the county of New York and State of New York this 21st day of December A. D. 1910.

EDWARD HENRY PARKER.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."