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No. 717,778.

PATENTED JAN. 6, 1903.

R. SPAULDING.
ELECTRIC CONDUCTING CABLE.

APPLICATION FILED FEB. 5, 1902.

NO MODEL.

Fig. 2.



Fig. 1.

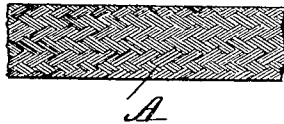


Fig. 4.

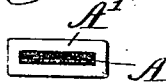


Fig. 3.



Fig. 6.

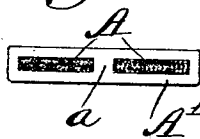
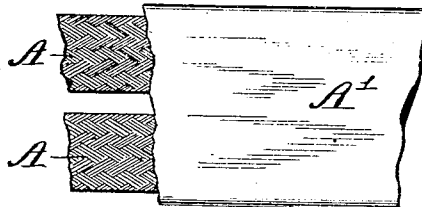


Fig. 5.



WITNESSES:

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UNITED STATES PATENT OFFICE.

RUSSELL SPAULDING, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS, TO THE TRUST COMPANY OF AMERICA, TRUSTEE, A CORPORATION OF NEW YORK.

ELECTRIC CONDUCTING-CABLE.

SPECIFICATION forming part of Letters Patent No. 717,778, dated January 6, 1903.

Application filed February 5, 1902. Serial No. 92,667. (No model.)

To all whom it may concern:

Be it known that I, RUSSELL SPAULDING, a citizen of the United States, residing in the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Electric Conducting-Cables, of which the following is a specification.

My invention relates to electric-current-conducting cables.

I will describe an electric-current-conducting cable and then point out the novel features thereof in the claims.

In the accompanying drawings, Figure 1 is a detail plan view of a conducting-core employed in the cable embodying my invention. Fig. 2 is an end view of Fig. 1. Fig. 3 is a detail plan view of a conductor-cable embodying my invention. Fig. 4 is an end view of Fig. 3. Fig. 5 is a detail plan view of a modified form of conductor-cable embodying my invention. Fig. 6 is an end view of Fig. 5.

Similar letters of reference designate corresponding parts in all of the figures.

The cable is rectangular in cross-section, being considerably wider than it is thick; and it consists, essentially, of a core A and an insulating-covering A'. The core A consists of a plurality of fine wires, which are braided. The fine wires are preferably arranged in strands each consisting of a number of wires and the strands braided. In making the core A it is braided about a mandrel or other former, and it is cylindrical. In its cylindrical shape it is passed through suitable rolls and flattened. It may be flattened by other means. The insulating material, which is preferably of rubber, may be applied at the time the core is being flattened by rolls. It may, however, be applied in any desired way.

In Figs. 5 and 6 I have shown a modified form of conductor. It consists of a plurality of cores A, inclosed by a single insulating-covering A'. I have shown two cores; but it is obvious that any number may be inclosed by a single insulating-covering. Between each core a vertical wall α of insulation is placed. The wall α is preferably integral with the other adjacent parts of the covering.

A cable made in this manner possesses great tensile strength and is extremely flexible.

What I claim as my invention is—

1. An electric conductor-cable comprising a braided core and an insulating-covering.
2. An electric conductor-cable comprising a core and an insulating-covering, said core consisting of a plurality of wires arranged in strands, which are braided.
3. An electric conductor-cable comprising a plurality of braided cores, and a single insulating-covering for said cores and which also insulates the cores one from the other.
4. An electric conducting-cable comprising a plurality of braided cores arranged parallel to each other and in the same horizontal plane, and a single insulating-covering for said cores, which also insulates the cores one from the other.
5. An insulating conducting-cable consisting of a flat braided core and an insulating-covering.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses:

RUSSELL SPAULDING.

Witnesses:

E. W. DRURY,
Geo. E. CRUSE.