No. 715,313. Patented Dec. 9, 1902.

R. SPAULDING.

PROCESS OF FORMING ELECTRIC CONDUCTING CABLES.

(Application filed May 3, 1902.)

(No Model.)

Fig. 1,

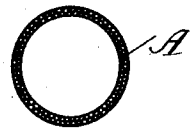


Fig. 2,



Fig. 3,

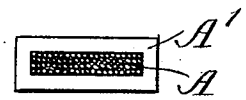
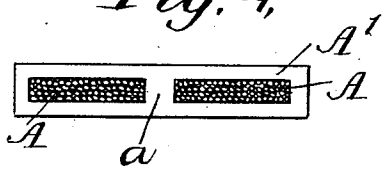


Fig. 4,



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PROCESS OF FORMING ELECTRIC CONDUCTING-CABLES.

SPECIFICATION forming part of Letters Patent No. 715,313, dated December 9, 1902.

Application filed May 3, 1902. Serial No. 105,736. (No specimens.)

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 Processes of Forming Electric Conducting-Cables, of which the following is a specification.

My invention relates to a process for forming electric conducting-cables, and especially such cables which are flat and have a rectangular cross-sectional area.

I will describe a process embodying my invention and then point out the novel features thereof in a claim.

In the accompanying drawings, Figure 1 is an end view of a conducting-core formed according to my process. Fig. 2 is an end view of the core of Fig. 1 after it has been flattened. Fig. 3 is an end view of a complete cable formed in accordance with my invention. Fig. 4 is an end view of a modified form of cable also formed in accordance with my invention.

My process consists, primarily, in forming a core from a plurality of fine wires. This is accomplished by braiding the cores about a former or mandrel to have substantially a core which shall be approximately circular in cross-section. Any well-known braiding mechanism may be employed for this purpose. After the tubular core is obtained it is then flattened to give it approximately a rectangular shape in cross-section, as will be seen from Fig. 2. The core in its flattened condition is then run through a suitable apparatus to apply insulating-covering of any suitable material, preferably a rubber composition. Any of the well-known mechanisms used for this purpose may be employed.

Referring to the drawings, A designates a core, and A′ the insulating-covering.

In Fig. 4 I have shown a modified form of conducting-cable. As here shown, a plurality of cores A are included under a single covering of insulation, which is applied simultaneously to each core. The two cores are insulated from each other by a vertical partition *a*.

Having thus described my invention, what I claim is—

The herein-described process of forming an electric conducting-cable which consists in braiding a plurality of fine wires to form a tube, next flattening the tube and finally covering the flattened, braided tube with insulation.

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

RUSSELL SPAULDING.

Witnesses:

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