

(No Model.)

E. F. H. H. LAUCKERT.

CONDUCTOR FOR DYNAMO ELECTRIC MACHINES.

No. 389,752.

Patented Sept. 18, 1888.

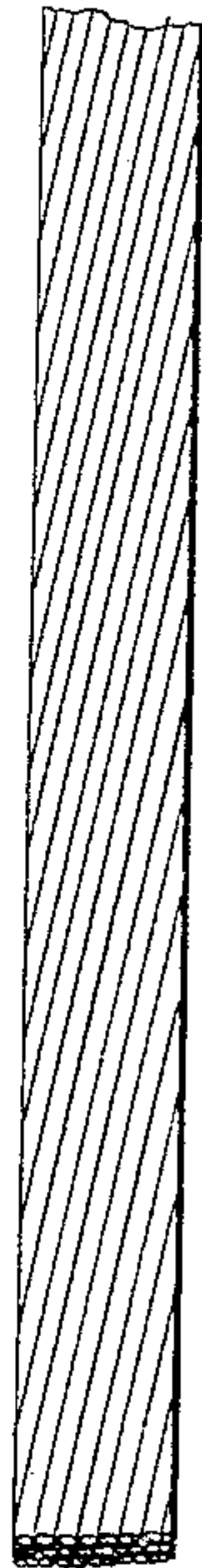


FIG. 1.



FIG. 2.



FIG. 3.

Witnesses;

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UNITED STATES PATENT OFFICE.

EDWARD F. H. H. LAUCKERT, OF CHARLTON, COUNTY OF KENT, ENGLAND,
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CONDUCTOR FOR DYNAMO-ELECTRIC MACHINES.

SPECIFICATION forming part of Letters Patent No. 389,752, dated September 18, 1888.

Application filed January 14, 1888. Serial No 260,772. (No model.) Patented in England August 23, 1887, No. 11,502.

To all whom it may concern:

Be it known that I, EDWARD FREDERICK HERMANN HEINRICK LAUCKERT, a citizen of Hesse, residing at Charlton, in the county of Kent, England, have invented new and useful Improvements in Electrical Conductors, (which were patented in Great Britain by Letters Patent numbered 11,502, of August 23, 1887,) of which the following is a specification.

Where large bars are used as conductors of electricity, or for forming the conductors on the armature of dynamo electric machines, the disadvantage arises that Foucault currents are set up in them, whereby they become heated to an injurious degree; and it is to obviate this difficulty that I prefer to employ a conductor constructed according to my invention, and which consists of wire strands flattened out so as to assume an oblong or approximately rectangular cross-section. According to my invention I remedy this defect in the herein-after-described manner, reference being had to the accompanying drawings, in which—

Figures 1 and 2 show a plan and section, respectively, of a stranded bar which has been compressed into rectangular form from the circular section shown in Fig. 3.

Instead of employing a solid-bar conductor, I twist together a number of wires to form a strand, which I then subject to powerful compression, so as to press the wires closely together and to cause the strand to assume an oblong or approximately rectangular sec-

tional form similar to the solid-bar conductor. For this purpose, according to one arrangement, the wire strand is made on a cable-machine in the usual way, and is afterward drawn through a die having the required configuration; or, according to another arrangement, the wire strand is hammered into shape by means of a steam-hammer and dies or pressed into shape by hydraulic power or otherwise. The stranded bar thus produced is then insulated for use in the same way as the ordinary solid bar.

Having thus described the nature of my invention and the best means I know for carrying the same into practical effect, I claim—

A conductor consisting of a twisted strand of wire compressed so as to assume an oblong or approximately rectangular transverse section.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 12th day of October, A. D. 1887.

E. F. H. H. LAUCKERT.

Witnesses:

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