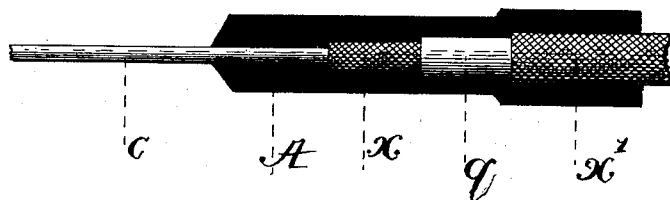


(No Model.)

B. H. WESSLAU.
JOINT FOR COUPLING UNDERGROUND CABLES.

No. 415,752.

Patented Nov. 26, 1889.



Witnesses
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BROR HEMMING WESSLAU, OF CHARLOTTENBURG, PRUSSIA, ASSIGNOR TO
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JOINT FOR COUPLING UNDERGROUND CABLES.

SPECIFICATION forming part of Letters Patent No. 415,752, dated November 26, 1889.

Application filed February 4, 1887. Serial No. 226,575. (No model.) Patented in Germany April 27, 1887, No. 42,256; in England September 2, 1887, No. 11,932; in France December 20, 1887, No. 187,711, and in Austria-Hungary February 18, 1888, No. 44,641 and No. 5,213.

To all whom it may concern:

Be it known that I, BROR HEMMING WESSLAU, of Charlottenburg, in the German Empire, have invented certain new and useful
5 Improvements in Protecting the Ends of Underground Cables from the Permeation of Moisture, (which have been patented in the German Empire by Letters Patent No. 42,256, of April 27, 1887; in England by Letters Patent
10 No. 11,932, of September 2, 1887; in France by Letters Patent No. 187,711, of December 20, 1887; in Austria by Letters Patent No. 44,641/87, tome 38, folio 351, of February 18, 1888, and in Hungary by Letters Patent No.
15 5,213, tome XXII, folio 325, of February 18, 1888,) of which the following is a specification.

My invention has for its object to provide
a means whereby underground cables may
20 be protected from the permeation of moisture, which, entering from the ends thereof between the different layers of which the cable is composed, destroys its insulation; and for this purpose it consists in removing the concentric
25 layers of the cable so that each partially uncovers the one immediately beneath it, and upon the thus prepared end winding or placing rubber hose, band, insulating-tape, or similar insulating material which is impervious to moisture which is around and in
30 contact with each of the layers, as will be hereinafter more fully described and claimed.

Reference is had to the accompanying drawing, which is a plan view, partially in section, and in which corresponding parts are
35 designated by corresponding letters.

The "end closure" A (as I term the hereinafter-described insulating-sheathing) consists

of, for instance, a rubber band shoved on, a rubber band wound around, or a woven or braided tape saturated with an insulating compound
40 coiled around the cable. The several layers put on the conductor, and of which the cable is composed, are cut off into steps before the application of the insulating-sheathing, so that the sheathing A covers part of the sur-
45 face of the conductor *c*, part of the insulating-layer *x* covering the conductor, and part of the lead covering *q* and part of the insulating-layer *x'* surrounding the lead covering.
50 In this manner between the conductor and lead covering a sufficiently large space is provided to prevent short-circuiting, and, besides, the insulating-layer covering the conductor is hermetically closed against the permeation of moisture. The conductive con-
55 nection of the said end of the conductor with other conductors is accomplished in the manner known by means of binding-screws.

Having now described my invention, what I claim, and desire to secure by Letters Patent, is—

An end closure for cables, consisting of a rubber hose, band, or insulating-tape inclosing and in contact with the several layers of which the cable is composed, substantially as
65 and for the purposes described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

BROR HEMMING WESSLAU.

Witnesses:

B. ROI,

M. W. MOORE.