(No Model.)

T. WALLACE.

TELEGRAPH WIRE PROTECTOR.

No. 244,007. Patented July 5, 1881.

fig 1

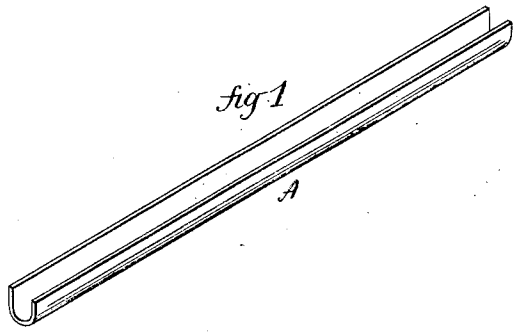


fig 2

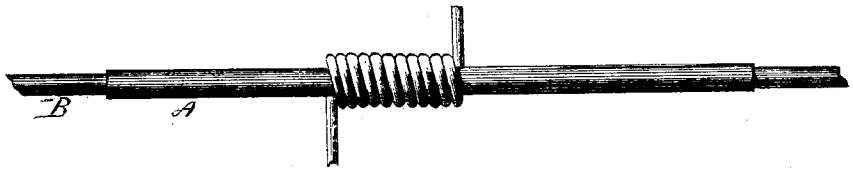
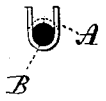


fig 3



Witnesses.
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UNITED STATES PATENT OFFICE.

THOMAS WALLACE, OF ANSONIA, CONNECTICUT.

TELEGRAPH-WIRE PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 244,007, dated July 5, 1881.

Application filed April 4, 1881. (No model.)

To all whom it may concern:

Be it known that I, THOMAS WALLACE, of Ansonia, in the county of New Haven and State of Connecticut, have invented a new Improvement in Telegraph-Wire Protectors; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view of the protector as prepared for application; Fig. 2, a side view as applied to the wire; Fig. 3, a transverse section, showing the method of applying the protector.

This invention relates to an improvement in a device for protecting coated telegraph-wire—that is to say, the class of telegraph-wire which is made from steel and coated with copper. A serious difficulty is experienced in the use of this class of wire, from the fact that at insulators or other points where a wire is to be wound upon the line, or the line-wire upon itself, there is a liability to break or injure the copper coating, such breaking or injury to the coating detracting materially from the capacity of the wire to carry electric current.

The object of this invention is a protector which may be conveniently applied to the wire at the point where another wire is to be wound upon it; and the invention consists of a thin copper or other suitable metal U-shaped jacket constructed to be placed upon the wire, as hereinafter described.

From a thin strip of copper, in width substantially the circumference of the wire, I cut a length sufficient for the jacket A and bend it into U shape in transverse section, as seen in Fig. 1, the curve of the U corresponding substantially to half the circumference of the wire. This jacket is placed upon the wire B, as seen in Fig. 3, and then with pinchers, or any suitable device, bend the sides down upon the wire, as indicated in broken lines, Fig. 3. This completely covers the coated surface of the wire with a jacket of the same material as the coating. Then around the jacket the wire may be wound, as seen in Fig. 2.

If occasion requires a bend where the jacket is applied, the jacket readily bends with the wire. The winding of the wire upon the jacket cannot affect the coated surface of the wire; hence the difficulties heretofore experienced are entirely avoided.

I do not wish to be understood as broadly claiming applying a jacket to a telegraph-wire, as such, I am aware, is not new.

I claim—

As an article of manufacture, the herein-described jacket for telegraph-wire, consisting of the strip of copper or similar metal bent into U shape in transverse section, substantially as and for the purpose described.

THOS. WALLACE.

Witnesses:
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