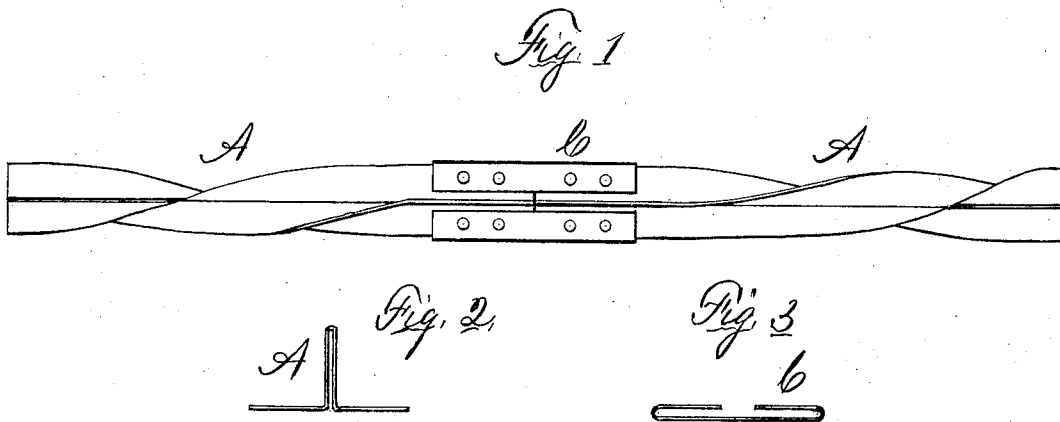


L. D. VERMILYA.

LIGHTNING-ROD.

No. 176,820.

Patented May 2, 1876.



Witnesses
W. H. Hunt
C. E. Howell.

L. D. Vermilya

UNITED STATES PATENT OFFICE.

LELAND D. VERMILYA, OF DAYTON, ASSIGNOR OF TWO-THIRDS HIS RIGHT TO EDWIN PICKERING, OF WEST MILTON, AND BARTON PICKERING, OF DAYTON, OHIO.

IMPROVEMENT IN LIGHTNING-RODS.

Specification forming part of Letters Patent No. 176,820, dated May 2, 1876; application filed April 20, 1874.

To all whom it may concern:

Be it known that I, LELAND D. VERMILYA, of Dayton, in the county of Montgomery and State of Ohio, have invented an Improved Lightning-Rod, of which the following is a specification:

My improvements consist of the manner of folding a metallic plate to make a lightning-rod, and a device to connect the same.

Figure 1 is a perspective view of the lightning-rod. Fig. 2 is a cross-section of the same. Fig. 3 is a cross-section of the connection.

A represents the lightning-rod, formed of metallic plate, and is first formed as shown in cross-section at Fig. 2, and then is given a spiral twist, which gives rigidity to the rod. The wings are of equal depth, the central being double and at a right angle to the single wings, which are in direct line with each other.

The connection C is shown in its relation to the ends of the rod at Fig. 1, and in cross-section at Fig. 3. The plate is formed so as to

embrace the two wings of single plate, to which it is held by a countersink or by rivets or wire.

Galvanized-iron plate may be used for making this rod, but copper plate is preferable.

I am aware that the folding, twisting, and riveting together of strips of metal have been done. My purpose of folding a single strip of metallic plate and giving the same a spiral twist is to form a conductor that shall be rigid, simple, cheap, and effective.

What I claim as my invention is—

A lightning-rod formed by bending a strip of metal upon itself, as shown, so as to form two right-angled triangles, placed back to back, the whole being then twisted, substantially as shown and set forth.

LELAND D. VERMILYA.

Witnesses:

W. H. CLARK,
C. E. HOWELL.