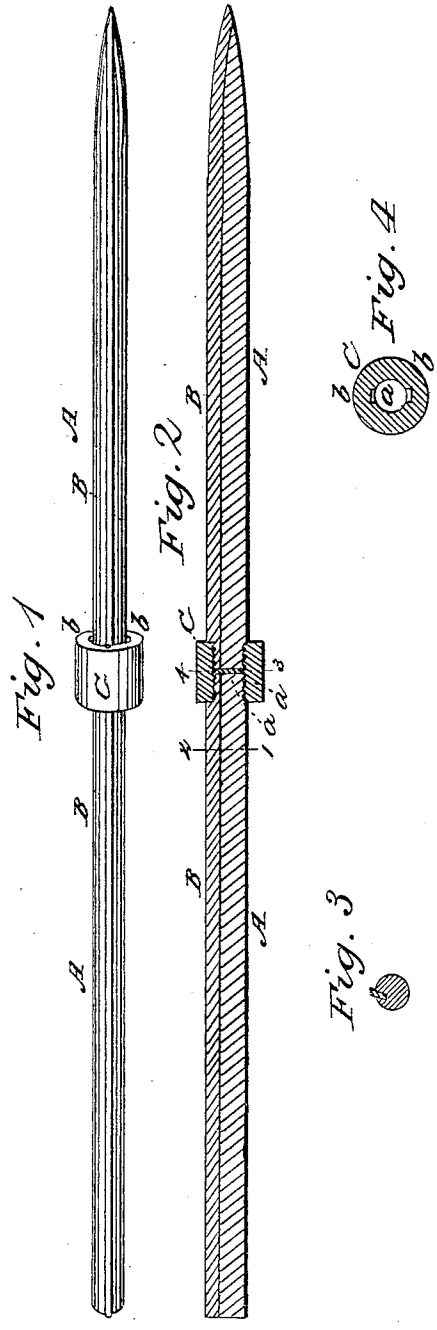
C JILLSON.

Lightning Rod.

No. 61,741. Patented Feb. 5, 1867.



Witnesses:
Thos H. Dodge
D L Miller

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CLARK JILLSON, OF WORCESTER, MASSACHUSETTS.

Letters Patent No. 61,741, *dated February* 5, 1867.

IMPROVEMENT IN LIGHTNING-RODS.

The Schedule referred to in these Letters Patent and making part of the same.

KNOW ALL MEN BY THESE PRESENTS:

That I, CLARK JILLSON, of the city and county of Worcester, and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Lightning-Rods or Conductors; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a perspective view of two sections of a rod made and connected according to my invention.

Figure 2 represents a longitudinal section of fig. 1; and

Figures 3 and 4 represent cross-sections on lines 1, 2, 3, and 4.

In the drawings, A represents an iron rod, which may be of any desired size and shape. The sections of the rod are grooved out and a strip of copper, B, forced into the groove in a very firm manner. Copper wire might be used, but I prefer strips, as shown in the drawings. The sections or pieces A are united by screw connecting-pieces C, as shown in the drawings. Before both of the ends of the pieces, forming a joint, are inserted into the connecting-piece C a copper washer, *a*, is inserted, so as to occupy the position shown in figs. 2 and 4 of the drawings, when the parts are screwed up into place. The connecting-piece C may be made with grooves or slots, *b*, if preferred, to give greater conducting surface and a more direct connection of the copper conducting surfaces. It will be seen that my rod combines the advantages of both the copper and iron rods heretofore in use. The copper is applied in such a manner that it is not liable to be displaced, as would be the case if the copper was wound upon the outside of the iron rod. The copper washer *b* insures a good conducting connection between the different sections or pieces of the rod.

Having described my improved lightning-conductor or rod, what I claim as new and of my invention, and desire to secure by Letters Patent, is—

1. The combination of the iron conducting-rod with the copper strips, secured in a groove formed in said rod, substantially as shown and described.

2. The combination, with the ends of the sections or pieces forming a joint, of copper or other metal washers, substantially as set forth.

3. I claim making the connecting-pieces C, with slots *b*, as shown and described.

C. JILLSON.

Witnesses:

THOS. H. DODGE,

D. L. MILLER.