L. ADAMS.

LIGHTNING-ROD.

No. 193,469. Patented July 24, 1877.

Fig. 1.

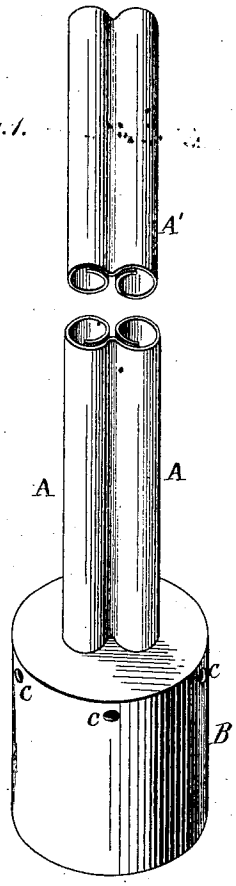
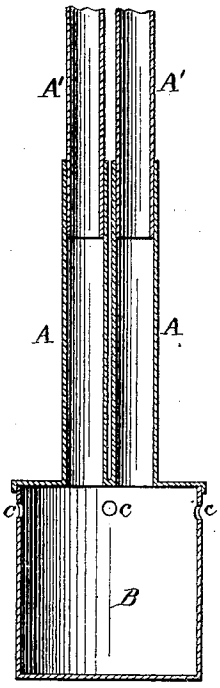


Fig. 2.



WITNESSES

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LAWSON ADAMS, OF OMAHA, NEBRASKA.

IMPROVEMENT IN LIGHTNING-RODS.

Specification forming part of Letters Patent No. **193,469**, dated July 24, 1877; application filed February 1, 1877.

To all whom it may concern:

Be it known that I, LAWSON ADAMS, of Omaha, in the county of Douglas, and in the State of Nebraska, have invented certain new and useful Improvements in the Shape, Form, and Manner of Joining Lightning-Rods; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a lightning-rod, water-pipes, and a water-tank, connected together, the peculiarities of which will be hereinafter more fully set forth.

In order to enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

In the accompanying drawings, making part of this specification, Figure 1 represents a perspective, and Fig. 2 a longitudinal section of sufficient of my invention to illustrate its operation and construction.

In the figures, A and A′ represent sections of the lightning-rod. These sections are formed of copper, the sheets of copper being rolled in double-scroll form, so that two pipes are formed from each sheet, the pipes being in close proximity, as seen. The sections are so constructed that they fit snugly together, with the ends of one overlapping those of the other to make close joints.

The lower section is fitted into the top of a water-tank, B, which is made of copper and placed beneath the earth. The sections of pipes answer not only as conductors of electricity, but also for conveying water from the eaves-troughs.

The water is emptied from the tubes or pipes into the reservoir B, to be used for whatever purpose desired.

Outlets *c c* are formed in the reservoir B, to allow water to escape when there is a surplus.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. One or more sections of connected copper pipe, which are formed from single sheets rolled in double scroll form, as and for the purpose set forth.

2. The sections A A′ of copper pipe, formed as described, and used in combination with the copper tank B, as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 8th day of January, 1877.

LAWSON ADAMS.

Witnesses:
J. M. THURSTON,
L. W. WOLFE.