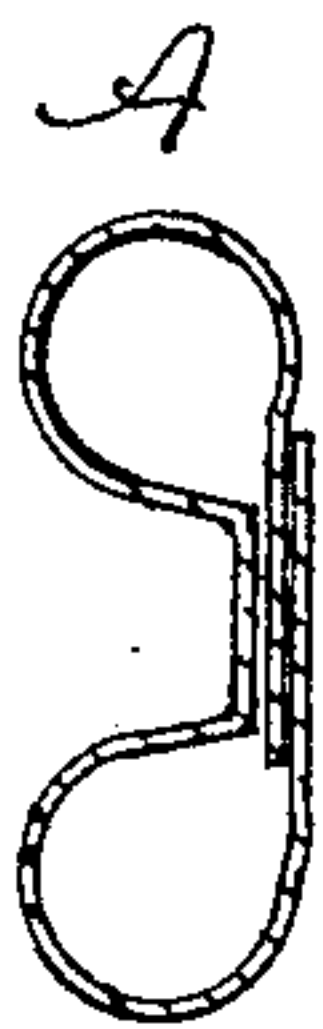


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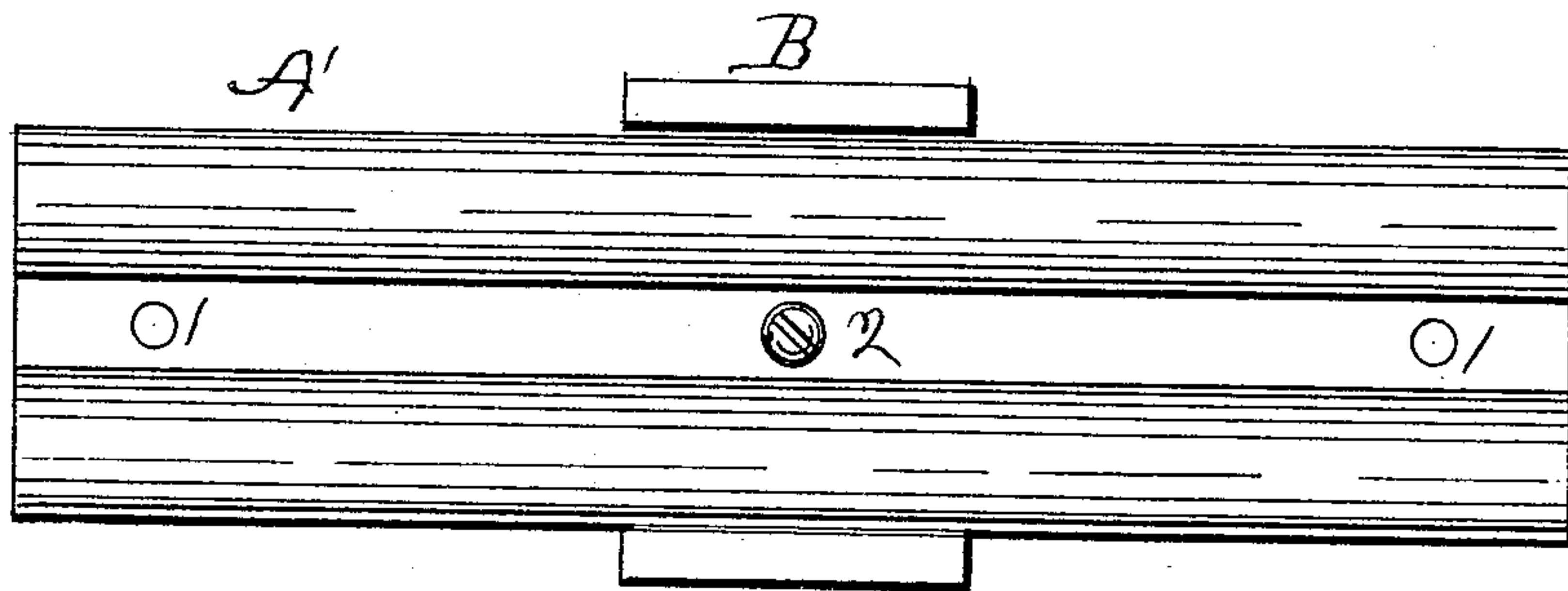
PATENTED JAN. 21, 1908.

L. L. MAST.  
LIGHTNING ROD.  
APPLICATION FILED JULY 27, 1906.

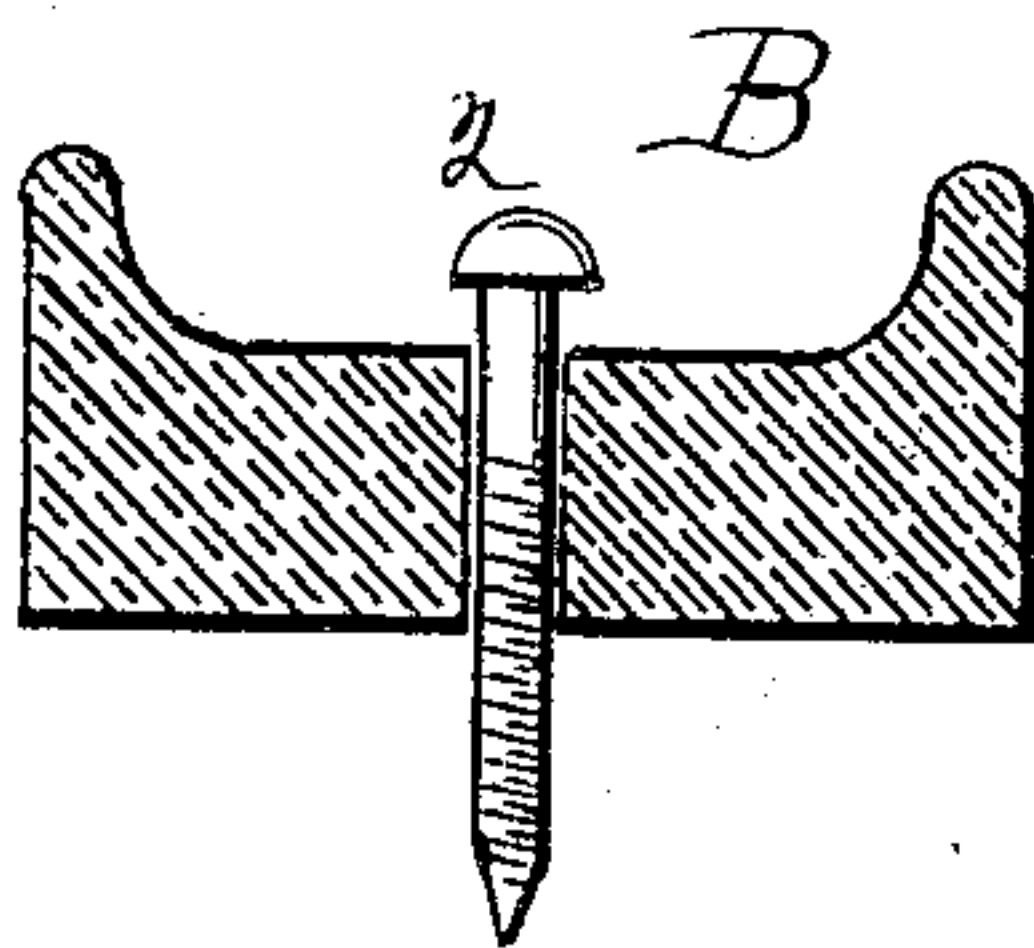
*Fig. 1*



*Fig. 2*



*Fig. 3*



WITNESSES:

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# UNITED STATES PATENT OFFICE.

LAVAKE L. MAST, OF WEST MILTON, OHIO.

## LIGHTNING-ROD.

No. 877,442.

Specification of Letters Patent.

Patented Jan. 21, 1908.

Application filed July 27, 1906. Serial No. 328,045.

*To all whom it may concern:*

Be it known that I, LAVAKE L. MAST, (post-office address West Milton, Ohio,) a citizen of the United States, residing at West Milton, in the county of Miami and State of Ohio, have invented certain new and useful Improvements in Lightning-Rods; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in lightning rods, the features of which will be fully hereinafter described and claimed.

The object of my invention is the construction of a sheet metal conductor, which can be conveniently attached to buildings, and serve to conduct the electricity harmlessly to the earth.

The construction is illustrated in the accompanying drawing, in which—

Figure 1 is a transverse sectional view of the rod. Fig. 2 is a top view of a section of the same joined with the supporting insulator. Fig. 3 is a transverse section of the insulator.

Like letters and numerals designate like parts throughout the several views.

The conductor A is formed of a strip of metallic plate, and folded in the form illustrated in section in Fig. 1. At the center is formed a channel, of depth nearly the diameter of the

two like circles, and extending therefrom the two ends overlapping in the formation of the base. The punctures 1 1 in the base, are for the insertion of nails or screws to make the attachment secure to the roof and sides of buildings. When nailed through the central portion and the overlapping edges, the attachment to a building is very secure and the disruption of the conductor is not likely to occur. The insulator B may be of glass or porcelain, it has a recess on its outer surface adapted to receive the under part or base of the conductor. It is provided with a central orifice for the screw 2, or a nail by which the parts are securely attached to a building. In forming the joint for the series of sections for installation, one section is slipped within the other, thus having a double thickness of metal throughout the union, or six thicknesses at the fastening base.

Having fully described my invention, what I claim is:—

A lightning rod troughed-shaped in cross section, the edges of which are bent outwardly downwardly and inwardly across the flat bottom of said trough-shaped portion, and abutting to form three thicknesses at the base.

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

LAVAKE L. MAST.

Witnesses:

B. PICKERING,  
CHESTER A. EBY.