

J. W. HOYT.  
Rain-Conductor.

No. 163,314.

Patented May 18, 1875.

Fig: 1.

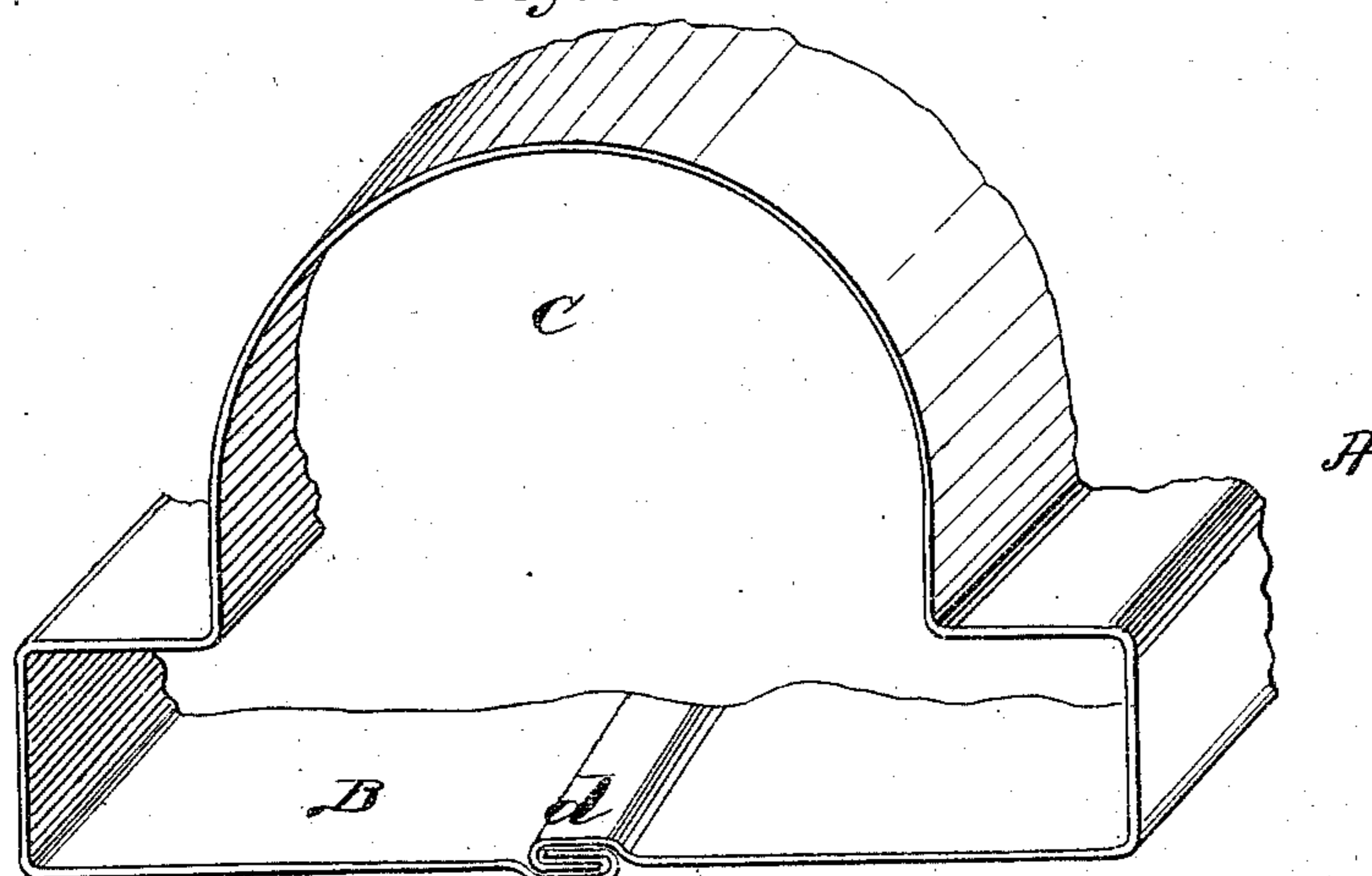


Fig: 2.



Fig: 3.

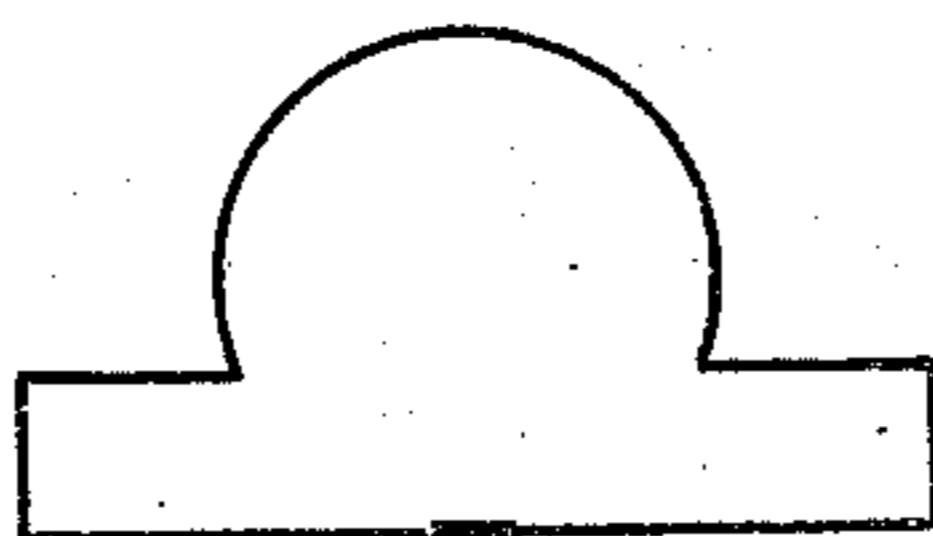


Fig: 4.

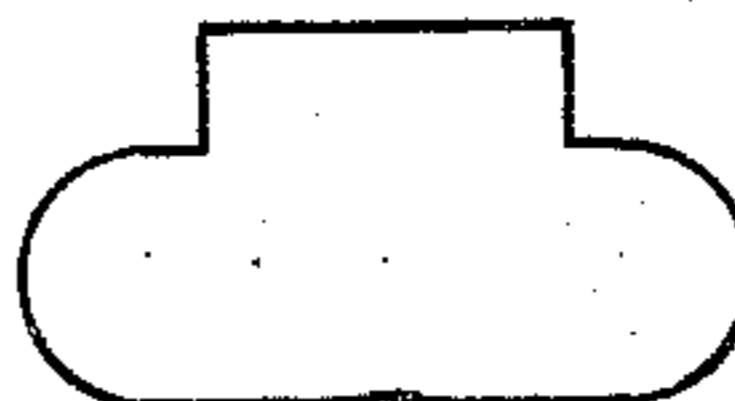


Fig: 5.

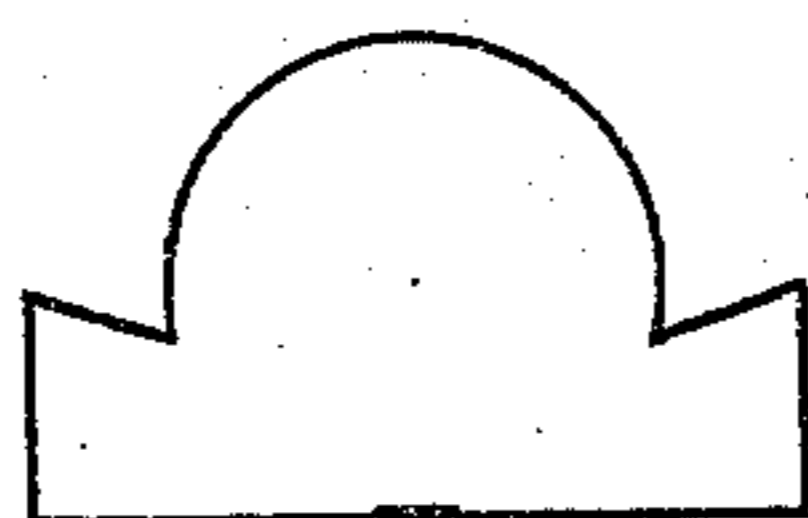


Fig: 6.



Witnesses:

*H. C. Mattenberg*  
*Charles J. Brown*

Inventor:

*John W. Hoyt*  
per *W. J. M. [Signature]*  
attg.

# UNITED STATES PATENT OFFICE.

JOHN W. HOYT, OF SPRINGFIELD, MASSACHUSETTS.

## IMPROVEMENT IN RAIN-CONDUCTORS.

Specification forming part of Letters Patent No. **163,314**, dated May 18, 1875; application filed October 20, 1874.

### CASE D.

*To all whom it may concern :*

Be it known that I, JOHN W. HOYT, of Springfield, in the county of Hampden and State of Massachusetts, have invented a new and Improved Leader; and that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention is in the nature of an improvement in leaders for conducting the water from the gutters of buildings; and the invention consists in a leader constructed with a curved outer surface combined with a rectangular hollow base, as a new article of manufacture, substantially in the manner hereinafter described.

In the accompanying sheet of drawings, Figure 1 is a perspective view of my leader; and Figs. 2, 3, 4, 5, and 6 are cross-sections of modified forms of same.

This invention is designed more particularly to afford a good and substantial base for securing the leader to the side of the building, and at the same time prevent its bursting from ice, besides presenting a highly ornamental appearance.

A represents a leader, which may be made of sheet metal. The base B of this leader is rectangular in shape and hollow, and from

the face of this rectangular base springs a curved section, C. The metal forming this leader is joined together by a fold-joint, *d*, in the center of the base, making the leader extremely strong, and without a visible joint.

A leader constructed substantially as above described is readily and firmly affixed to the building by the flat surface of the rectangular base B, which forms a substantial foundation for that purpose, and the curved or swelled front C forms, with the rectangular space inclosed by the base, an ample conduit for the water. Besides, when the water is frozen within the leader, the expanding ice will not burst the same, for there is ample opportunity for the leader to expand with the ice, as will be readily seen from its peculiar construction.

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

As a new article of manufacture, a leader for conducting the water from the gutters of buildings, constructed with a hollow rectangular base, in combination with an arched front surface, substantially as and for the purpose described.

JOHN W. HOYT.

Witnesses:

H. L. WATTENBERG,  
G. M. PLYMPTON.