

G. HAYES.
LEADER-PIPE.

No. 173,785.

Patented Feb. 22, 1876.

Fig. 1.

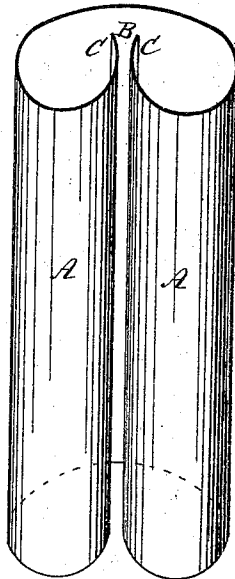
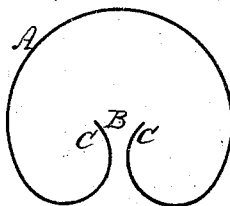


Fig. 2.



Witnesses

Amos Hacker
August Conklyn

Inventor

George Hayes.

UNITED STATES PATENT OFFICE.

GEORGE HAYES, OF NEW YORK, N. Y.

IMPROVEMENT IN LEADER-PIPES.

Specification forming part of Letters Patent No **173,785**, dated February 22, 1876; application filed July 24, 1875.

CASE B.

To all whom it may concern:

Be it known that I, GEORGE HAYES, of 71 Eighth Avenue, in the city, county, and State of New York, have invented a new and useful Improvement in Leader-Pipes, for conveying rain-water from the roofs of buildings, or any similar purpose, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings.

My improvement relates to leader-pipes so constructed as never to become charged with water through stoppage, thereby avoiding the possibility of their bursting in frosty weather. It consists of a plate of sheet metal bent to an oval, round, or square form, having the edges brought nearly together and bent inward, thus having an opening of about one-eighth of an inch, more or less, from end to end. This leader is kept in shape by the usual hooks, which are driven into the wall to support it on each side of the leader alternately. The opening in the leader thus formed will allow all water to drain out of it, so that there can be no bursting in frosty weather. There being no rigid joint, expansion or contraction can take place in the leader without interfering with the original shape. The leader can also be cleaned out at any point without its being taken down.

This leader being jointless, the usual cost of soldering, seaming, or riveting, as in the joints of other leaders, will be dispensed with, and reduction in the cost will be caused thereby.

In the accompanying drawing, Figure 1 represents a vertical view of the leader. Fig. 2 represents a transverse section of same.

Similar letters of reference indicate corresponding parts.

The leader A is formed by bending a piece of sheet metal to a round, oval, or square form, and, instead of making a tight joint by soldering, riveting, or seaming, I allow an opening, B, to extend the whole length, one-eighth of an inch, more or less. I then continue each side of the leader reversely inward to C, which will direct the current of water inward, causing little if any water to escape to the outside of the leader.

I claim as my invention—

A leader-pipe of a round, oval, or square form, having its edges bent inward reversely, and having an opening the entire length, for the purpose herein set forth.

GEORGE HAYES.

Witnesses:

AMSON HACKER,

AUGUST ERICKSSON.