

G. F. WILSON.

DEVICE FOR STOPPING LEAKS IN PIPES.

No. 185,153.

Patented Dec. 5, 1876.

Fig. 1.

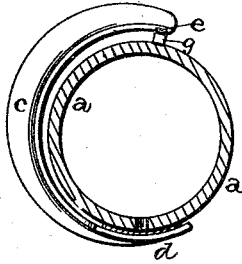


Fig. 2.

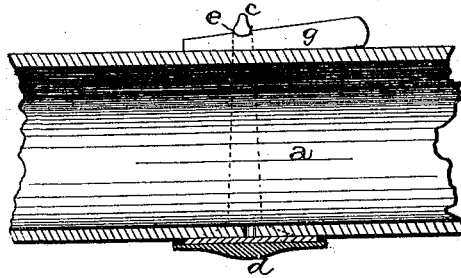
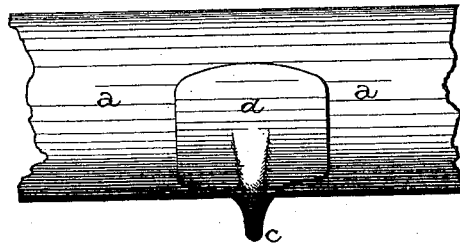


Fig. 3.



WITNESSES-

*J. W. Garner*  
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INVENTOR-

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per  
*F. A. Lehmann, Atty.*

# UNITED STATES PATENT OFFICE.

GEORGE F. WILSON, OF THORNDIKE, MASSACHUSETTS.

## IMPROVEMENT IN DEVICES FOR STOPPING LEAKS IN PIPES.

Specification forming part of Letters Patent No. **185,153**, dated December 5, 1876; application filed November 1, 1876.

*To all whom it may concern:*

Be it known that I, GEORGE F. WILSON, of Thorndike, in the county of Hampden and State of Massachusetts, have invented certain new and useful Improvements in Devices for Stopping Leaks in Pipes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawing, which forms part of this specification.

My invention relates to an improvement in devices for stopping leaks in pipes; and it consists in a circular-shaped casting and a wedge, whereby a packing can be quickly and securely attached to the pipe over the hole, as will be more fully described hereinafter.

The accompanying drawing represents my invention.

*a* represents a common pipe, and *c* a circular-shaped casting, which is entirely open on one side, so that it can be applied to the side of various-sized pipes. This casting is so formed as to stand a great strain without breaking, and has a wide flat end, *d*, under which the packing is applied, and a notch, *e*,

in its smaller end, so that the wedge *g* cannot slip out sidewise.

When a leak is found in a pipe, a suitable washer or packing is applied to the inside of the wide end *d*, which is curved so as to conform to the shape of the pipe, and the casting is then applied to the pipe so that the packing will cover the hole. The wedge *g* is then driven in between the side of the pipe and the small end of the casting, thereby clamping the casting securely in position.

This device is equally well adapted to water, steam, or gas pipes.

Having thus described my invention, I claim—

The combination of a circular-shaped casting, *c*, which carries or holds a packing in one end, and a wedge for securing the casting to the pipe *a*, substantially as shown.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 27th day of October, 1876.

GEORGE F. WILSON. [L. S.]

Witnesses:

EDWARD H. LIBBY,  
CHARLES E. P. STAFFORD.