

(No Model.)

C. BILZ.
WATER PIPE.

No. 318,856.

Patented May 26, 1885.

fig. 1.

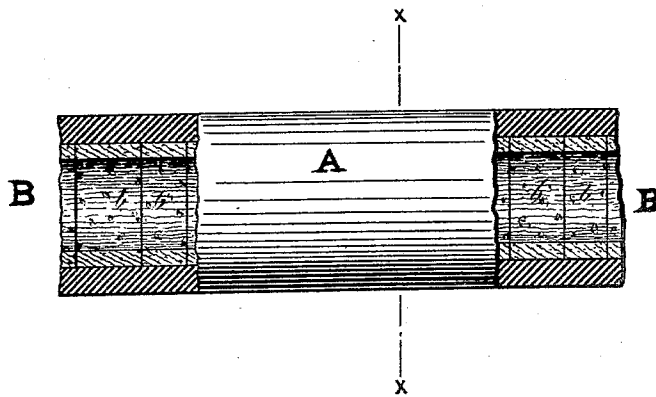
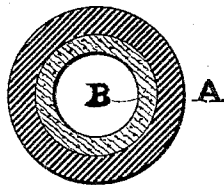


fig. 2.



WITNESSES

F. W. Roenbaum.
Ernst Woeff.

INVENTOR

Conrad Bilz
By his Attorneys
Goepel & Raegenery

UNITED STATES PATENT OFFICE.

CONRAD BILZ, OF LINDEN, NEW JERSEY.

WATER-PIPE.

SPECIFICATION forming part of Letters Patent No. 318,856, dated May 26, 1885.

Application filed March 16, 1885. (No model.)

To all whom it may concern:

Be it known that I, CONRAD BILZ, of Linden, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Water-Pipes, of which the following is a specification.

This invention has reference to an improved water-pipe by which the bursting of the pipes by freezing in cold weather is prevented; and the invention consists of a water-pipe having an interior layer of cork formed of ring-shaped sections.

In the accompanying drawings, Figure 1 represents a side elevation, partly in section, of my improved water-pipe, and Fig. 2 is a vertical transverse section of the same.

Similar letters of reference indicate corresponding parts.

A in the drawings represents a water-pipe of lead, wrought or cast iron, or other suitable material. The pipe A is provided at its inside with a lining, B, of cork, which is formed of a series of ring-shaped sections; *b* *b*, that are inserted successively from the end of the pipe and moved forward in the same by means of a suitable follower. In case of freezing the water in the pipe and subsequent thawing up of the ice the pipe cannot burst,

as the lining "gives" sufficiently to admit the expansion of the frozen portion without affecting the pipe in the least. The water-pipe A may be bent in any suitable manner with the cork-sections, which adapt themselves to the bends of the pipe.

By the use of water-pipes with cork linings at such parts of a building exposed to freezing the bursting of the pipes and the damage caused by overflow of the water may be entirely prevented.

I am aware that water-pipes having an interior elastic lining to prevent bursting by freezing have been used heretofore, and I do not broadly claim the same.

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

A water-pipe provided with a lining of cork composed of ring-shaped sections, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

CONRAD BILZ.

Witnesses:

CARL KARP,
SIDNEY MANN.