

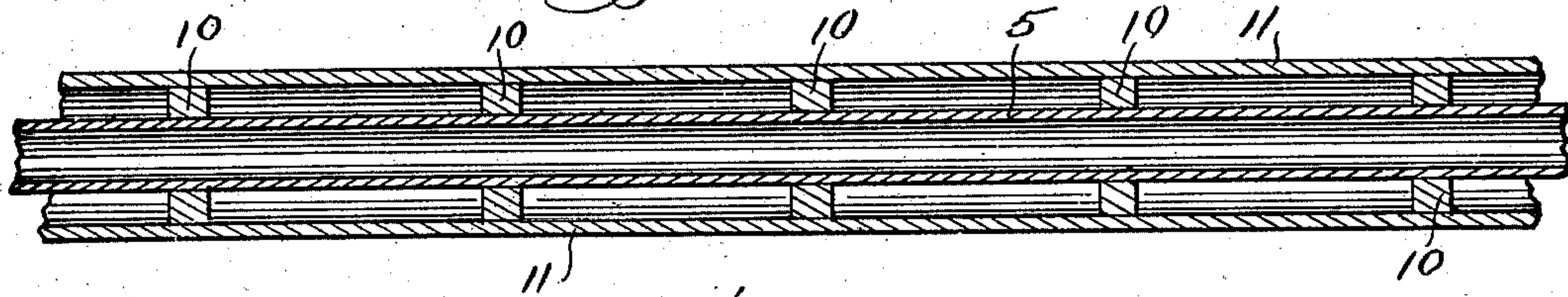
No. 720,003.

PATENTED FEB. 10, 1903.

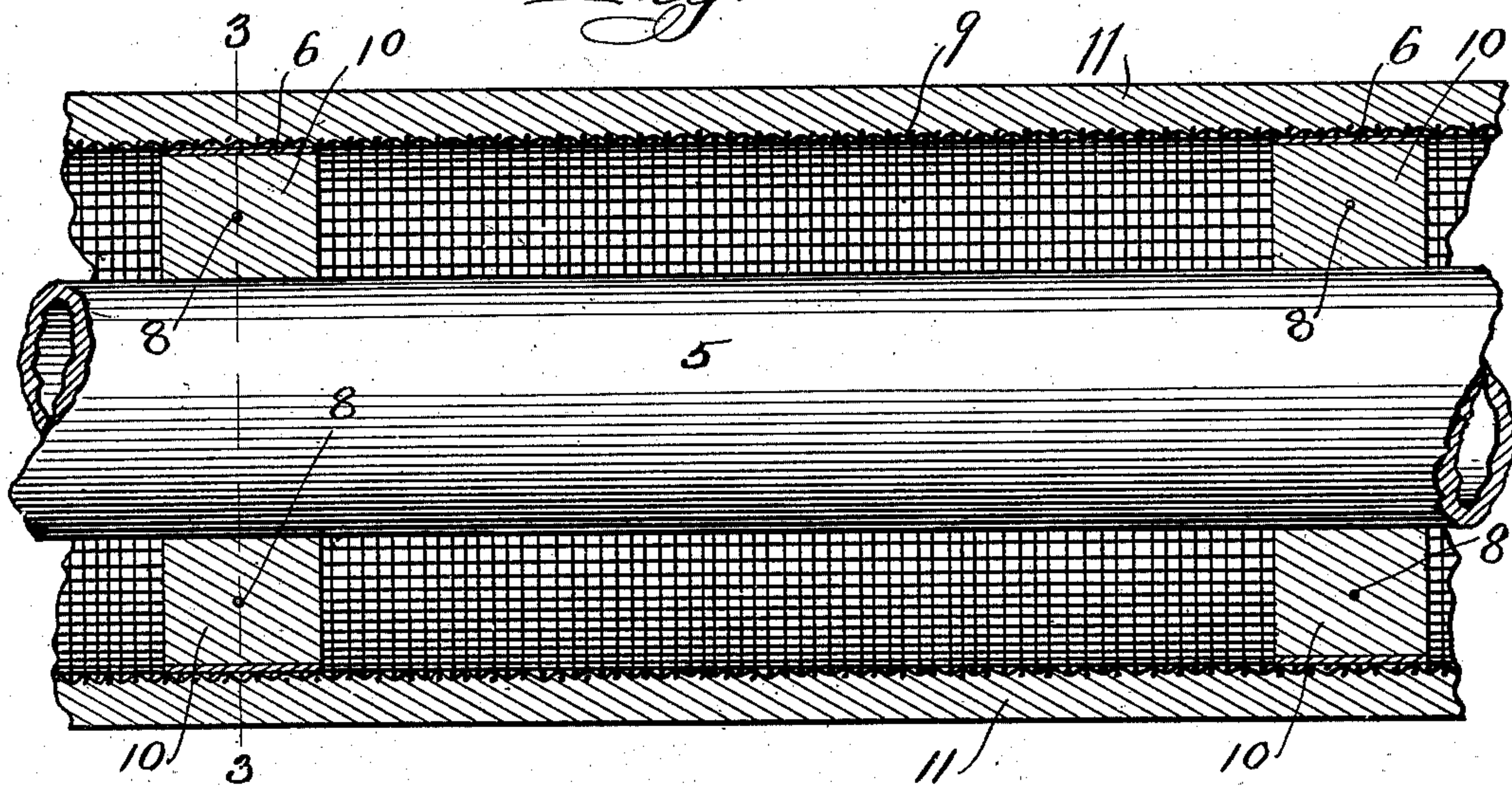
S. W. CURTISS.  
STEAM PIPE COVERING.  
APPLICATION FILED JUNE 9, 1902.

NO MODEL.

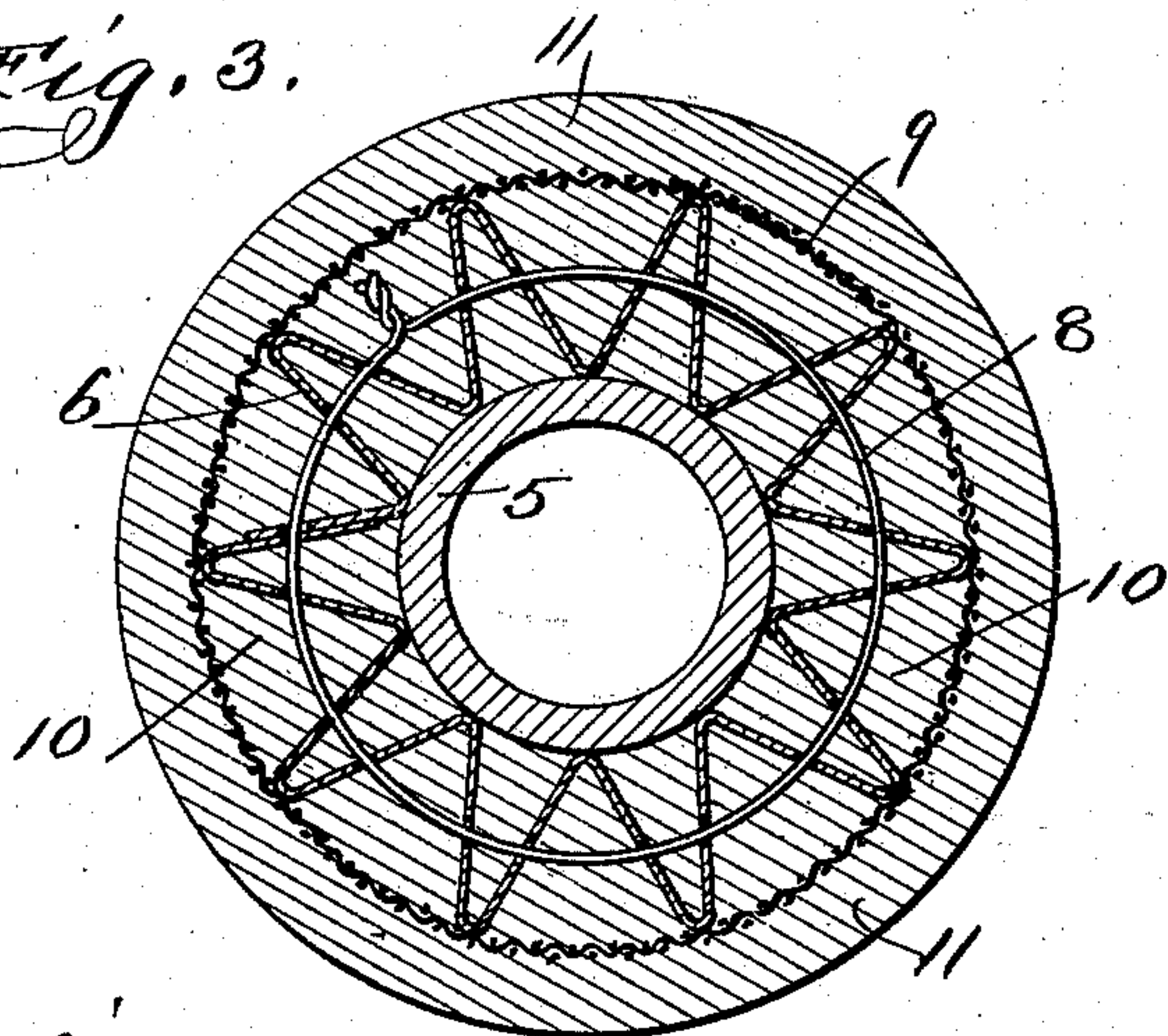
*Fig. 1.*



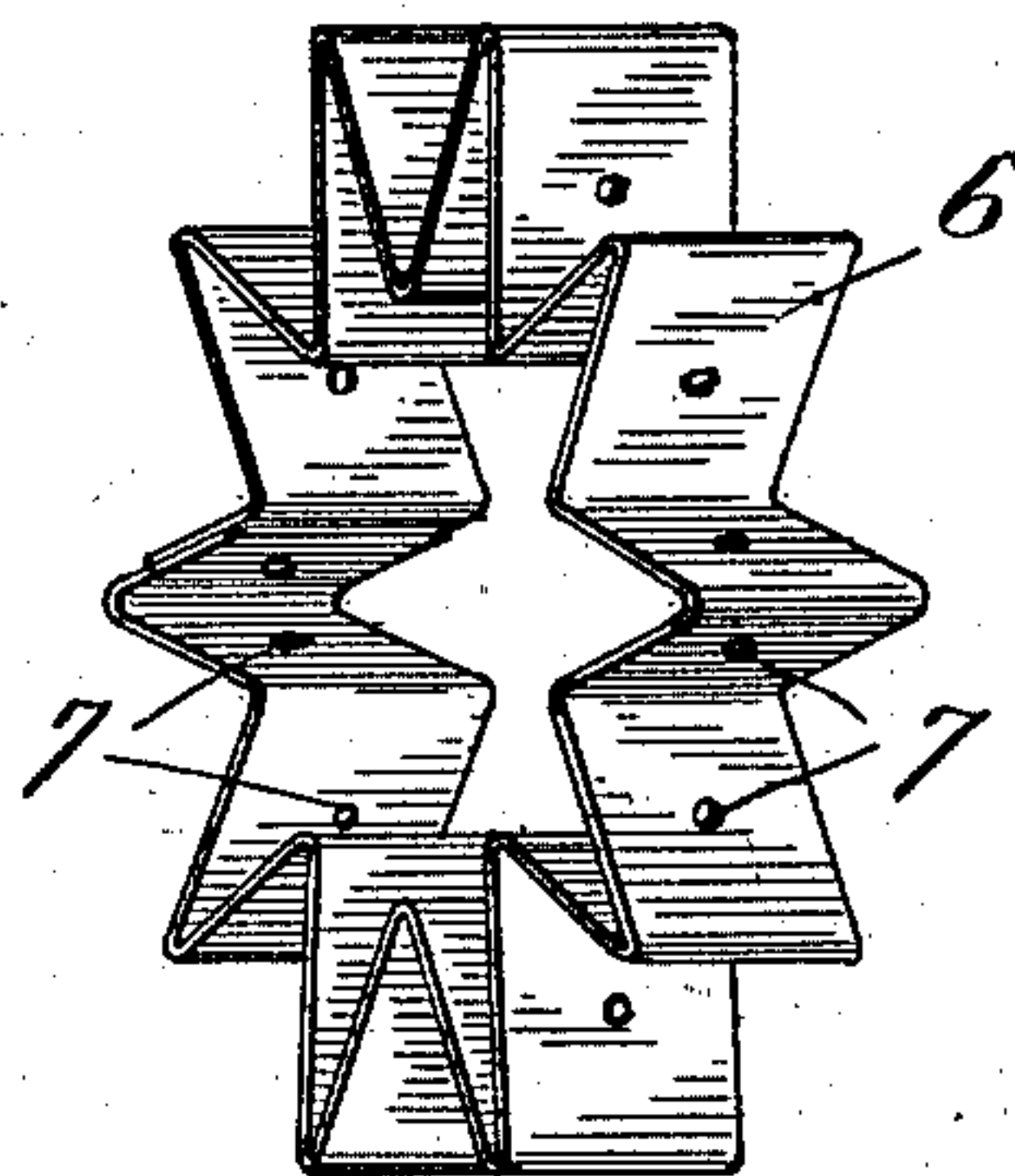
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Witnesses:

R. J. Jacker —  
H. Clay Calhoun

Inventor:

Samuel W. Curtiss,  
By E. C. Crawford, Atty.



# UNITED STATES PATENT OFFICE.

SAMUEL W. CURTISS, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE GARDEN CITY SAND COMPANY, OF CHICAGO, ILLINOIS.

## STEAM-PIPE COVERING.

SPECIFICATION forming part of Letters Patent No. 720,003, dated February 10, 1903.

Application filed June 9, 1902. Serial No. 110,760. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL W. CURTISS, a citizen of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Steam-Pipe Coverings, of which the following is a specification.

My invention relates to improved coverings for steam-pipes; and the objects of my invention are to provide a steam-pipe covering that will be easily applied and that will be a perfect non-conductor of heat. I attain these objects by means of the appliances illustrated in the accompanying drawings, in which—

Figure 1 is a longitudinal section of a steam-pipe fitted with my pipe-covering. Fig. 2 is a similar view, enlarged, with the pipe shown in elevation. Fig. 3 is a sectional view of the same, taken on the line 3 3 in Fig. 2. Fig. 4 is a perspective view of the corrugated tin collar used in my invention.

Like numerals refer to like parts throughout the several views.

Referring to the drawings, 5 is a section of steam-pipe to be covered with my improved pipe-covering.

6 is one of the corrugated tin collars through which the steam-pipe passes.

7 indicates the perforations in the leaves of the collar through which wire may be passed; (but dents may be made in the edges of the leaves instead.) 8 is a wire passing through these perforations and so twisted together at its ends as to tightly secure the collar upon the pipe.

9 is finely-meshed wire secured around the collars and pipe.

10 is plaster filling the corrugations in the collar.

11 is plaster covering the meshed wire. Such plaster should be used on this wire as can be easily applied, will become very hard when dry, will receive a polish when applied with a trowel, and will be as perfect a non-conductor of heat as possible.

The spaces between the collars are of course filled with air, which, being almost a perfect non-conductor of heat, will prevent the radiation of heat from the pipe.

This covering properly adapted can be used on boilers as well as pipes.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

The combination of a steam-pipe, corrugated tin collars fitting upon the pipe and formed with perforations in each leaf of the collar, wire passing through these perforations and tightly securing the collars on the pipe, plaster filling the corrugations of the collars, finely-meshed wire enveloping the collars and pipe, and plaster used upon such wire, substantially as and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two witnesses.

SAMUEL W. CURTISS.

Witnesses:

WM. R. BURLEIGH,  
PARKER H. HOOG.