

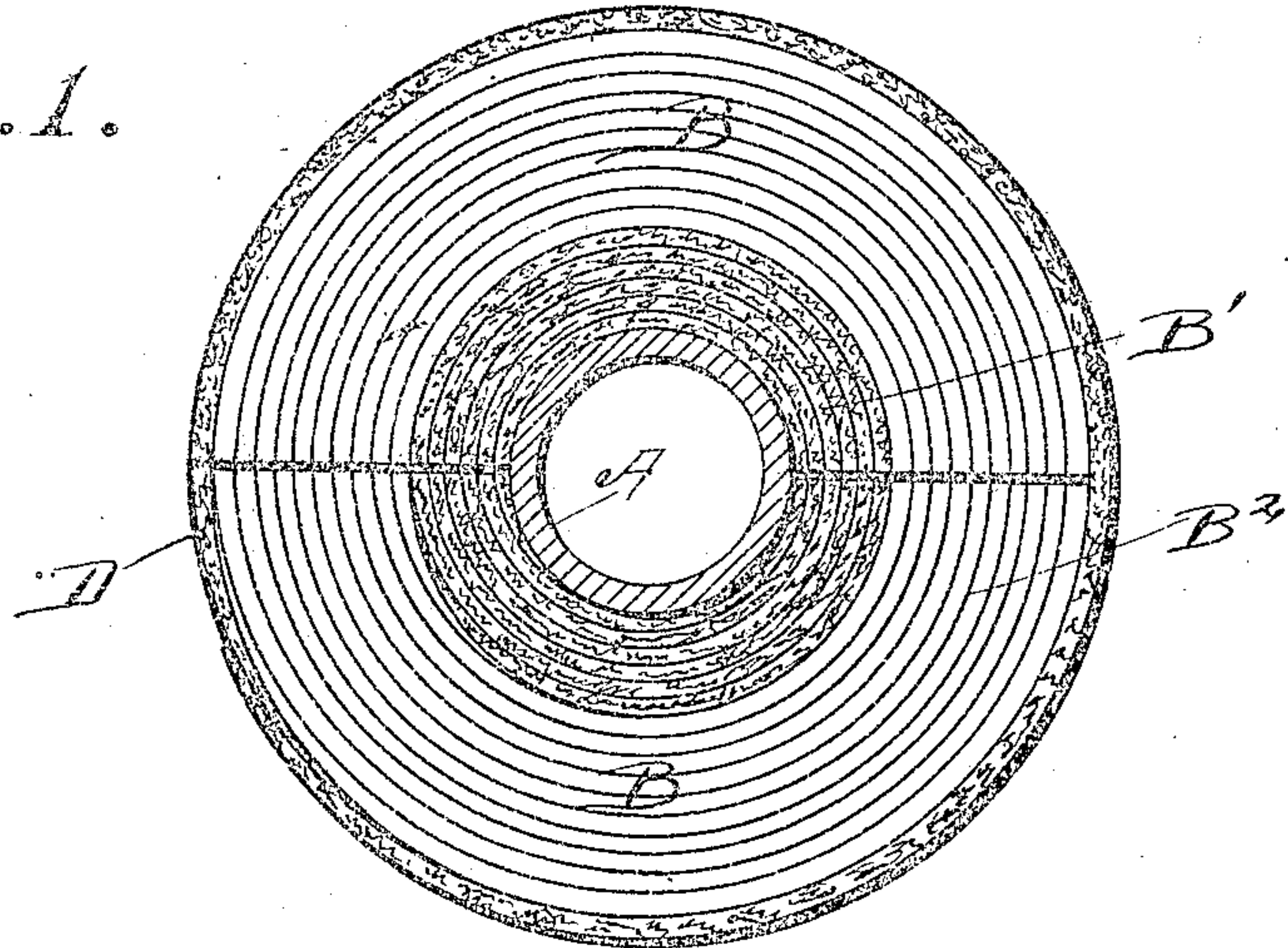
No. 785,765.

PATENTED MAR. 28, 1905.

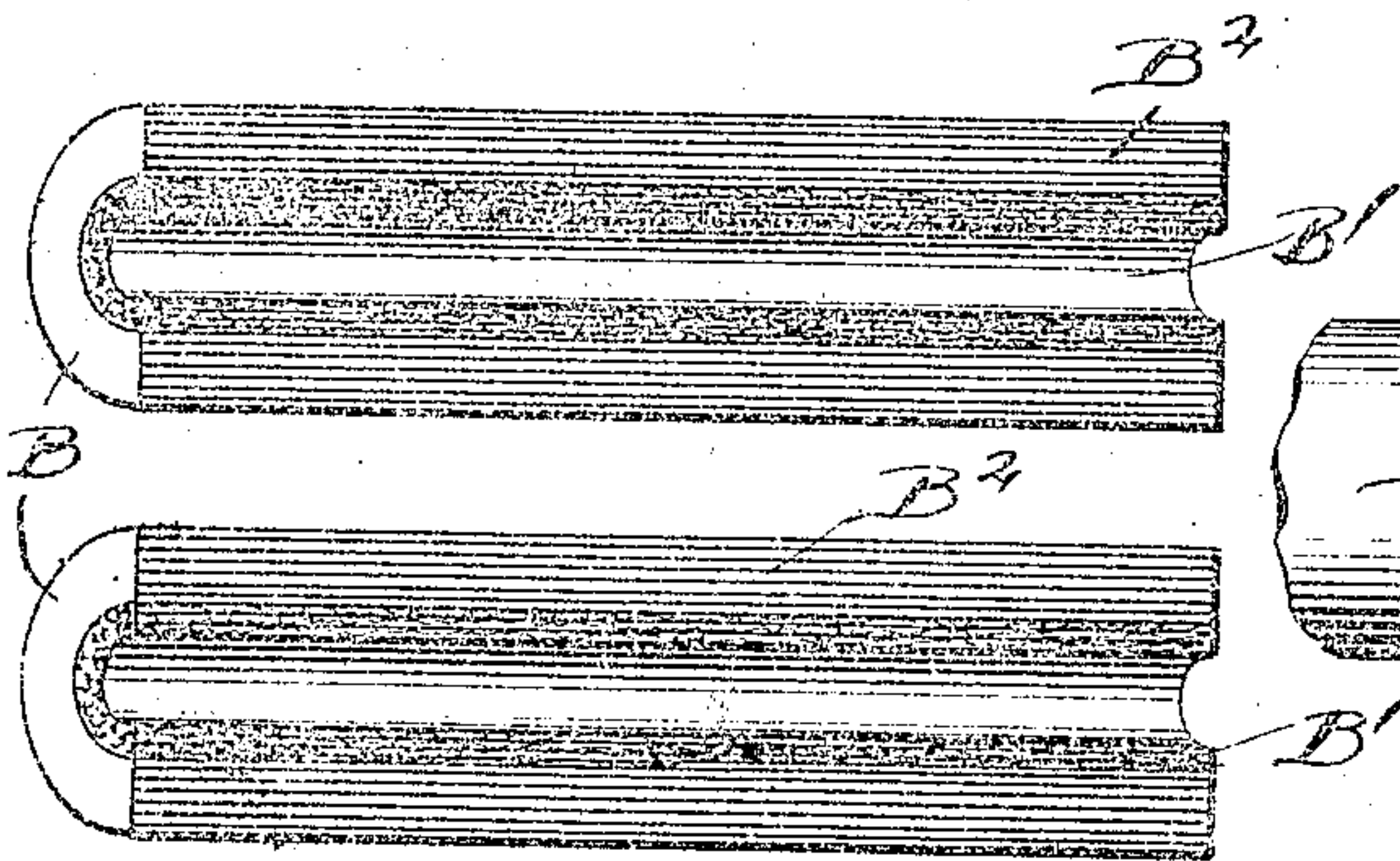
A. E. ROEVENS.  
PIPE COVERING.

APPLICATION FILED AUG. 5, 1904.

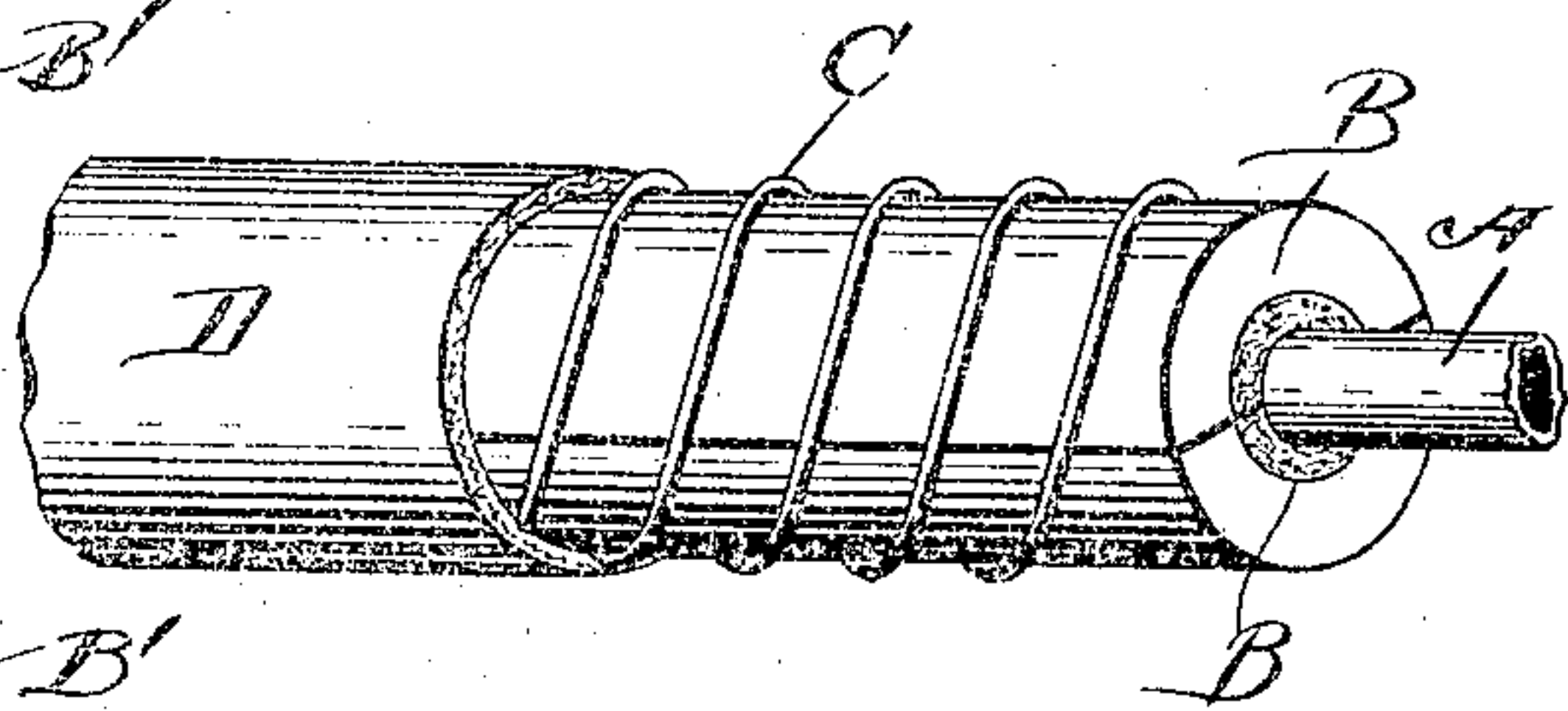
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses  
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## UNITED STATES PATENT OFFICE.

ALBERT E. ROEVENS, OF NEW ORLEANS, LOUISIANA.

## PIPE-COVERING.

SPECIFICATION forming part of Letters Patent No. 785,765, dated March 23, 1905.

Application filed August 5, 1904. Serial No. 219,694.

*To all whom it may concern:*

Be it known that I, ALBERT E. ROEVENS, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented a new and useful Pipe-Covering, of which the following is a specification.

This invention is an improved construction of covering for brine and ammonia pipes, the object being to provide a covering which will prevent warm atmosphere coming in contact with the cold pipe and will also prevent the cold pipe reducing the temperature of the covering to such a degree as to produce condensation upon the exterior thereof; and with these objects in view the invention consists in the details hereinafter explained, and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a cross-sectional view of a pipe provided with my improved covering. Fig. 2 is a view showing the inner sections of the covering; and Fig. 3 is a sectional perspective showing the manner of arranging the covering upon a pipe.

In carrying out my invention I employ a mixture of pitch, rosin, sulfur, and asphalt. These ingredients are boiled together, and while hot I soak wool-felt paper in this composition and then roll the saturated wool-felt paper upon a mandrel until a tube one-half inch thick is formed. Around this is wrapped wool-felt paper until the tube is one and a half inches thick. The composite tube is then divided longitudinally, so that it can be applied to the pipes to be protected, and after being so applied the sections are securely fastened by wrapping with wire, and the composite sectional pipe is then covered with a felt jacket.

Referring to the drawings, A indicates the brine or ammonia pipe, and B the sections of the composite tube, the inner portion B' consisting of the wool-felt paper saturated with the solution before referred to, while B<sup>2</sup> indicates the outer portion of wool-felt paper.

C indicates the wire, and D the felt jacket.

In applying the coating the pipe A is first coated with the mixture before referred to, and then the sections of the composite tube are applied and wrapped and are then coated again with the mixture, and the felt jacket is then applied and coated with the mixture.

A pipe-covering constructed as herein described has been found to thoroughly protect the pipe from the atmosphere and also prevent said pipe and covering from sweating.

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

1. A pipe-covering comprising wool-felt paper, saturated in a mixture of pitch, rosin, sulfur, and asphalt.

2. A pipe-covering comprising wool-felt paper saturated in a mixture of pitch, rosin, sulfur, and asphalt, the said saturated wool paper being enveloped by a plurality of layers of wool-felt paper, as set forth.

3. A pipe-covering consisting of wool-felt paper, saturated in a mixture of pitch, rosin, sulfur and asphalt, the said impregnated wool-felt paper being covered by a plurality of layers of wool-felt paper, and the whole surrounded by a felt jacket, covered with the before-mentioned mixture, as set forth.

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