

(No Model.)

F. J. HUNLETH.
NON-CONDUCTING COVERING FOR PIPES.

No. 531,999.

Patented Jan. 1, 1895.

Fig. I

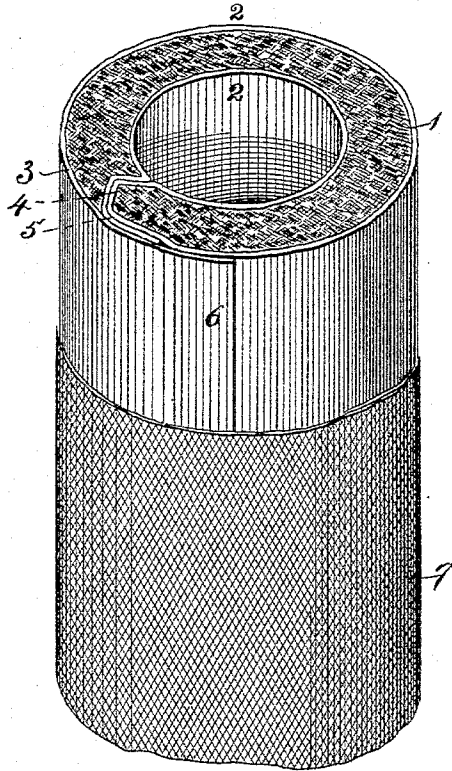
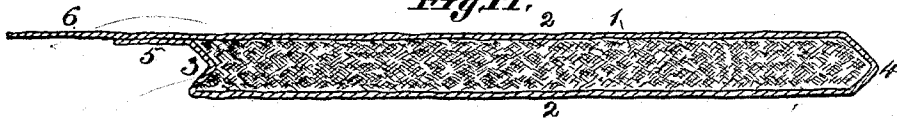


Fig. II



Attest:
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UNITED STATES PATENT OFFICE.

FRANK J. HUNLETH, OF ST. LOUIS, MISSOURI, ASSIGNOR TO THE GRANITE
MINERAL WOOL COMPANY, OF SAME PLACE.

NON-CONDUCTING COVERING FOR PIPES.

SPECIFICATION forming part of Letters Patent No. 531,999, dated January 1, 1895.

Application filed December 11, 1891. Serial No. 414,682. (No model.)

To all whom it may concern:

Be it known that I, FRANK J. HUNLETH, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Non-Conducting Coverings for Pipes, &c., of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

10 This is a covering in which a mat of mineral wool is inclosed in a sheet of elastic material. Its purpose is to check the passage of heat outward from a hot pipe or inward to a cold pipe or other thing.

15 The features of novelty will be set forth in the claim.

Figure I is a perspective view of the device in cylindrical form. Fig. II is a transverse section of the device before it is bent into a cylindrical form.

20 1 is a mat of mineral wool, asbestos or other similar substance, containing a large quantity of imprisoned air. The meeting edges of the mat are fitted together with a V joint having a re-entering angle at 3 and projecting angle or rib at 4 forming a locking joint to prevent the passage of air or other gases at that place. The V-joint extends from side to side of the mat.

30 The mat 1 is first inclosed in a sheet 2 of paper or other flexible material, both of whose

edges 5 and 6 lap past the edge of the mat, and when placed around the pipe or other object both of the laps 5 and 6 extend past the V joint 3, 4, circumferentially and serve to seal the joint completely as well as hold the parts in proper position. Over the whole I prefer to place a wrapper 7 of canvas or other suitable material.

It will be seen that the rib and groove or V joint 3, 4 will insure the edges being brought together in the proper position as the device or covering is bent around the pipe and that the lap 5 will serve to prevent the inner corner of the edge 3 becoming inserted between the pipe and the other edge 4 of the covering. The wide lap 6 serves to hold down the narrow lap 5 and to make the joint more perfect.

I claim as my invention—

A non-conducting covering composed of a mat 1 provided at one end with a projecting angle or rib and a re-entering angle at its other end, and in which the projecting angle fits, and an elastic covering 2 inclosing the said mat and having its ends lap past the meeting edges of the mat, substantially as shown and described.

FRANK J. HUNLETH.

In presence of—

SAML. KNIGHT,
BENJN. A. KNIGHT.